Clarification on Metric ID: 7.1.3

Query 1
HEI is requested to provide Any other relevant proof for the selected options.

Index

Query No. 01: HEI is requested to provide Any other relevant proof for the selected options.

Response: Additional relevant data for this metric is provided.

Policy Document on Environment and Energy Usage Certificate from Auditing Agency

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Consolidated Action Taken Report (2018-2023)

External Agency Contract:

- Contract made with the external agency for conducting environmental and energy audits.
- Agency conducted thorough audits covering various aspects of campus operations, including energy usage, waste management, and water conservation.

Water Harvesting:

- Continued maintenance and optimization of water harvesting systems.
- Regular monitoring of water usage and conservation efforts.

Waste Management:

- Strengthened waste management practices through ongoing segregation and proper disposal procedures.
- Conducted awareness campaigns and training sessions for staff and students on waste reduction.

Chemical Waste Pit:

- Ensured compliance with safety and regulatory standards for the management of chemical waste.
- Conducted periodic inspections and maintenance of chemical waste pits to prevent environmental contamination.

Energy Efficiency Measures:

- Implemented additional energy efficient technologies and equipment where feasible.
- Conducted energy audits to identify areas for further optimization and efficiency improvements.

Transportation Policies:

- Continued promotion of sustainable transportation practices through the carpooling initiative.
- Enhanced infrastructure for cycling and pedestrian pathways on campus.

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Consolidated Achievement Report (2018-2023)

Reduced Environmental Footprint:

- Significant reduction in water consumption through effective water harvesting systems, resulting in conservation of local water resources.
- Improved waste management practices led to reduced landfill waste contributing to a cleaner environment.
- Proper management of chemical waste minimized the risk of environmental contamination and ensured compliance with regulatory standards.

Enhanced Energy Efficiency:

- Implementation of energy efficient measures resulted in decreased energy consumption and lower carbon emissions.
- Optimization of lighting and equipment usage maximized energy savings and reduced operational costs.

Sustainable Transportation:

- Increased adoption of sustainable transportation options such as carpooling and cycling reduced traffic congestion and air pollution on campus.
- Parking facilities located farther from the college building encouraged the use of alternative transportation modes and promoted physical activity among staff and students.

Green Campus Initiatives:

Green Infrastructure:

- Continued investment in green infrastructure projects, including landscaping with native vegetation and green roofs, to enhance biodiversity and promote environmental sustainability on campus.

Sustainable Procurement:

- Emphasis on procuring environmentally friendly products and materials, including ecofriendly supplies, to support sustainable consumption practices.

Community Engagement:

- Engagement with local communities to raise awareness about environmental issues and promote sustainable living practices such as outreach programs.

Continuous Improvement:

- Commitment to ongoing evaluation and improvement of green campus initiatives through regular monitoring, feedback collection, and stakeholder engagement.
- Overall, the collective efforts undertaken by Indira Mahavidyalaya, Kalamb, have resulted in significant progress towards achieving our goal of becoming a green campus. We remain dedicated to furthering our commitment to environmental sustainability and energy efficiency, striving to create a healthier and more sustainable future for institution campus community and beyond.

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Action Taken Report 2022-23

Programs and Actions Taken:

1. **Rally in Town for Nature Awareness at Village Square**
   - **Actions Taken:**
     - Conducted a rally at the village square to promote environmental conservation.
     - Addressed local schools, community groups, and residents in the rally.
   - **Outcomes:**
     - Increased public knowledge about the importance of nature conservation.
     - Fostered community support for ongoing environmental initiatives.
2. **Program for Nature Awareness at Village Square**
   - **Actions Taken:**
     - Hosted educational sessions and workshops on environmental awareness at the village square.
     - Distributed educational resources and materials on nature conservation.
   - **Outcomes:**
     - Enhanced understanding of local environmental issues among participants.
     - Empowered residents to take proactive steps in environmental protection.
3. **Harit Sena Initiative**
   - **Actions Taken:**
     - Launched the Harit Sena (Green Army) initiative to encourage planting and maintaining greenery.
     - Organized tree plantation drives and workshops on plant care.
   - **Outcomes:**
     - Increased green cover in the community.
     - Strengthened community involvement in environmental conservation activities.
4. **Cleanliness Programme in Bori Mahal**
   - **Actions Taken:**
     - Conducted another round of cleanliness activities in Bori Mahal.
     - Engaged new volunteers and reinforced previous cleanliness efforts.
   - **Outcomes:**
     - Maintained and enhanced cleanliness in Bori Mahal.
     - Promoted long-term waste management practices among residents.

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Achievements Report 2022-23

Achievements Report 2022-23

- **Environmental Awareness:**
  - **Rallies and Educational Programs:**
    - Held rallies and events at the village square to promote nature conservation.
    - Engaged schools, community groups, and residents in educational sessions and workshops.
  - **Outcomes:**
    - Increased public knowledge about environmental issues.
    - Fostered community support for ongoing environmental initiatives.
- **Green Initiatives:**
  - **Harit Sena Initiative:**
    - Launched a program to increase green cover through tree planting and maintenance.
    - Organized workshops on plant care and engaged volunteers in tree plantation drives.
  - **Outcomes:**
    - Increased the number of trees planted and improved local biodiversity.
    - Strengthened community involvement in environmental conservation.
- **Sustained Cleanliness Efforts:**
  - **Cleanliness Programme in Bori Mahal:**
    - Continued regular cleanliness drives.
    - Engaged new volunteers and reinforced previous cleanliness efforts.
  - **Outcomes:**
    - Maintained and enhanced cleanliness in Bori Mahal.
    - Promoted long-term waste management practices and improved village sanitation.

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Action Taken Report 2021-22

Programs and Actions Taken:

1. **Cleanliness Drives in Adopted Village**
   - **Actions Taken:**
     - Resumed physical cleanliness campaigns post-pandemic restrictions.
     - Engaged local volunteers and provided necessary cleaning supplies and equipment.
   - **Outcomes:**
     - Significantly improved sanitation in the adopted village.
     - Strengthened community involvement in cleanliness initiatives.
2. **Water Conservation Awareness Rally**
   - **Actions Taken:**
     - Organized a rally to promote water conservation practices among villagers.
     - Distributed educational pamphlets and hosted talks on water-saving techniques.
   - **Outcomes:**
     - Increased awareness about water conservation.
     - Encouraged adoption of efficient water use practices in households and agriculture.
3. **Swachha Bharat Abhiyan Rally**
   - **Actions Taken:**
     - Conducted a rally in support of the Swachha Bharat Abhiyan (Clean India Mission).
     - Engaged local schools, businesses, and community groups in the rally.
   - **Outcomes:**
     - Enhanced community commitment to maintaining cleanliness.
     - Reinforced national cleanliness initiatives at the local level.
4. **Say No to Plastic Abhiyaan**
   - **Actions Taken:**
     - Launched a campaign to reduce plastic use, encouraging the use of alternatives.
     - Provided reusable bags and containers to community members.
   - **Outcomes:**
     - Decreased plastic waste in the community.
     - Raised awareness about the environmental impact of plastic.
5. **Eradication of Ganjar Gavat (Parthenium hysterophorus L.)**
   - **Actions Taken:**
     - Conducted drives to remove Ganjar Gavat, an invasive plant species, from local areas.
     - Worked with agricultural experts to ensure safe removal and disposal methods.
   - **Outcomes:**
     - Controlled the spread of the invasive species, protecting local flora.
     - Minimized health risks associated with the plant.

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Achievements Report 2021-22

- **Resumed Physical Activities:**
  - **Cleanliness Drives:**
    - Reinitiated post-pandemic cleanliness campaigns.
    - Engaged volunteers in cleaning activities and provided necessary supplies.
  - **Water Conservation Awareness Rally:**
    - Organized rallies to promote efficient water use practices.
    - Distributed educational materials and demonstrated water-saving techniques.
  - **Plastic Reduction Campaign:**
    - Launched "Say No to Plastic Abhiyaan" to reduce plastic use.
    - Provided reusable bags and containers to replace single-use plastics.
  - **Outcomes:**
    - Improved environmental practices in the community.
    - Increased awareness and responsible behavior towards waste management and water conservation.
- **Invasive Species Management:**
  - **Eradication of Ganjar Gavat:**
    - Conducted drives to remove Ganjar Gavat from local areas.
    - Collaborated with agricultural experts for safe removal and disposal.
  - **Outcomes:**
    - Protected local flora from the invasive species.
    - Reduced health risks associated with Ganjar Gavat.

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Action Taken Report 2020-21

Programs and Actions Taken

1. **Online Environmental Awareness Programs**
   - **Actions Taken:**
     - Transitioned to virtual platforms to conduct awareness sessions on environmental conservation.
     - Distributed educational materials online on topics like water conservation and waste reduction.
   - **Outcomes:**
     - Maintained engagement with the community during COVID-19 restrictions.
     - Provided continuous education on environmental best practices.
2. **Virtual Training on Waste Management and Water Conservation**
   - **Actions Taken:**
     - Conducted online training sessions for staff and students on waste management and water conservation techniques.
     - Shared best practices and case studies through webinars and digital meets.
   - **Outcomes:**
     - Ensured ongoing education despite physical limitations.
     - Increased knowledge and skills related to environmental sustainability among participants.

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Achievements Report 2020-21

- **Digital Engagement:**
  - **Transition to Virtual Platforms:**
    - Conducted environmental awareness programs via online webinars and digital campaigns.
    - Developed and distributed educational materials on water conservation and waste reduction.
  - **Outcomes:**
    - Maintained community engagement during COVID-19 restrictions.
    - Reached a broader audience with environmental education despite physical limitations.
- **Virtual Training:**
  - **Online Training Sessions:**
    - Provided training on waste management and water conservation using digital tools.
    - Shared practical knowledge and best practices through virtual meets.
  - **Outcomes:**
    - Enhanced understanding of environmental issues.
    - Increased skills in waste management and water conservation among participants.

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Action Taken Report 2019-20

Programs and Actions Taken:

1. **Cleanliness Drive in Kalamb**
   - **Actions Taken:**
     - Organized a community-wide cleanliness drive in Kalamb.
     - Distributed cleaning tools and protective gear to participants.
     - Conducted educational sessions on the importance of cleanliness and waste management.
   - **Outcomes:**
     - Enhanced public spaces' cleanliness.
     - Increased community involvement in maintaining local hygiene.
2. **Cleanliness Programme in Bori Mahal Village**
   - **Actions Taken:**
     - Carried out a comprehensive village cleanliness campaign.
     - Installed waste bins at key locations and provided guidance on waste segregation.
   - **Outcomes:**
     - Improved overall village sanitation.
     - Raised awareness about effective waste management practices.

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Achievements Report 2019-20

- **Cleanliness Initiatives:**
  - **Cleanliness Drive in Kalamb:**
    - Organized community-wide cleanliness activities.
    - Distributed cleaning tools and protective gear to participants.
    - Conducted educational sessions on the importance of hygiene.
  - **Cleanliness Programme in Bori Mahal Village:**
    - Carried out a village-wide cleanliness campaign.
    - Installed waste bins at key locations.
    - Educated residents on proper waste segregation and disposal.
  - **Outcomes:**
    - Improved sanitation and cleanliness in Kalamb and Bori Mahal.
    - Increased community participation in maintaining hygiene and waste management.
- **Waste Management:**
  - **Educational Campaigns:**
    - Conducted sessions to educate villagers on waste segregation.
    - Trained participants in separating biodegradable and non-biodegradable waste.
  - **Outcomes:**
    - Improved waste management practices.
    - Cleaner villages and enhanced environmental health through reduced pollution.

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Achievements Report 2018-19

- **Water Crisis Management:**
  - **Construction of Bunds and Dams:**
    - Built bunds and dams in water-scarce areas to enhance water retention.
    - Engaged local communities in construction efforts.
    - Conducted impact assessments to monitor groundwater levels post-construction.
  - **Outcomes:**
    - Improved groundwater recharge, enhancing water availability for agriculture and households.
    - Reduced water scarcity and supported sustainable water management practices.
- **Tree Plantation:**
  - **Mega Tree Plantation Drive:**
    - Planted over 10,000 trees in collaboration with the Forest Department and local villagers.
    - Focused on native species to support local biodiversity and reduce soil erosion.
  - **Outcomes:**
    - Enhanced biodiversity and air quality.
    - Reduced soil erosion and improved ecological balance.

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Action Taken Report 2018-19

Programs and Actions Taken:

1. **Bund Construction to Overcome Water Crisis**
   - **Actions Taken:**
     - Constructed bunds in water-scarce areas to improve water retention.
     - Engaged local communities in the planning and construction process.
     - Conducted an impact assessment to monitor groundwater levels post-construction.
   - **Outcomes:**
     - Enhanced groundwater recharge.
     - Improved water availability for agriculture and household use.
2. **Report of Construction of Bunds & Dams**
   - **Actions Taken:**
     - Developed and implemented plans for bunds and small dams in collaboration with the Forest Department.
     - Conducted community meetings to educate on the benefits of water conservation structures.
   - **Outcomes:**
     - Increased water storage and reduced runoff.
     - Strengthened community awareness and participation in water management.
3. **Mega Tree Plantation**
   - **Actions Taken:**
     - Planted 10,000 trees in collaboration with the Forest Department and local villagers.
     - Focused on native species to improve local biodiversity and reduce soil erosion.
   - **Outcomes:**
     - Improved local biodiversity.
     - Contributed to carbon sequestration and enhanced green cover.
4. **Construction of Makeshift Dams**
   - **Actions Taken:**
     - Built makeshift dams to manage seasonal rainwater effectively.
     - Provided training on construction and maintenance to local villagers.
   - **Outcomes:**
     - Improved rainwater harvesting capabilities.
     - Reduced soil erosion and increased water availability.

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Environmental Promotional Activities Conducted Beyond Campus

Painting Trees with Natural Fungicide and Tree Tagging Drives in Nearby Village (2022-23)

Indira Mahavidyalaya, Kalamb, initiated painting trees with natural fungicide and tree tagging drives in a nearby village. Students and volunteers diligently applied natural fungicide to trees, protecting them from diseases and promoting their health. Additionally, trees were tagged with informative labels to raise awareness about their significance and encourage community involvement in their care. These efforts aimed to enhance the vitality of the local ecosystem and foster a deeper connection between villagers and their natural surroundings.

- **Event:** Tree Painting and Tagging Drive
- **Date:** October 11, 2022
- **Location:** Kalamb Outskirts.
- **Participants:** 30 Students.

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इंदिरा महाविद्यालया तर्फे वृक्ष रंगवणे मोहीम

लोकमत न्यूज नेटवर्क

कळंब, 11 ऑक्टोबर 2022 — इंदिरा महाविद्यालय, कळंब यांनी कळंब बाहेरील परिसरात वृक्ष रंगवणे आणि टॅगिंग मोहीम आयोजित केली. प्रा. एस.वाय. लखडिवे आणि प्रा. डॉ. डी.एम. चव्हाण यांच्या मार्गदर्शनाखाली 37 विद्यार्थ्यांनी सहभाग घेतला. झाडांना नैसर्गिक बुरशी नाशक लावून त्यांच्या आरोग्याचे संरक्षण करण्यात आले, तसेच माहितीपूर्ण टॅग लावण्यात आले. या मोहिमेमुळे झाडांचे आरोग्य सुधारले आणि त्यांच्या महत्त्वाबद्दल समाजाची जागरूकता वाढवण्यात आली. विद्यार्थ्यांनी आणि स्वयंसेवकांनी झाडांचे संरक्षण आणि देखभाल करण्यासाठी सामुदायिक सहभाग वाढवला. या उपक्रमामुळे स्थानिक वनस्पतींचे आरोग्य सुधारले आहे आणि पर्यावरणीय संवर्धनासाठी जागरूकता वाढली आहे.

Developed by: ELITE INFOSOFT

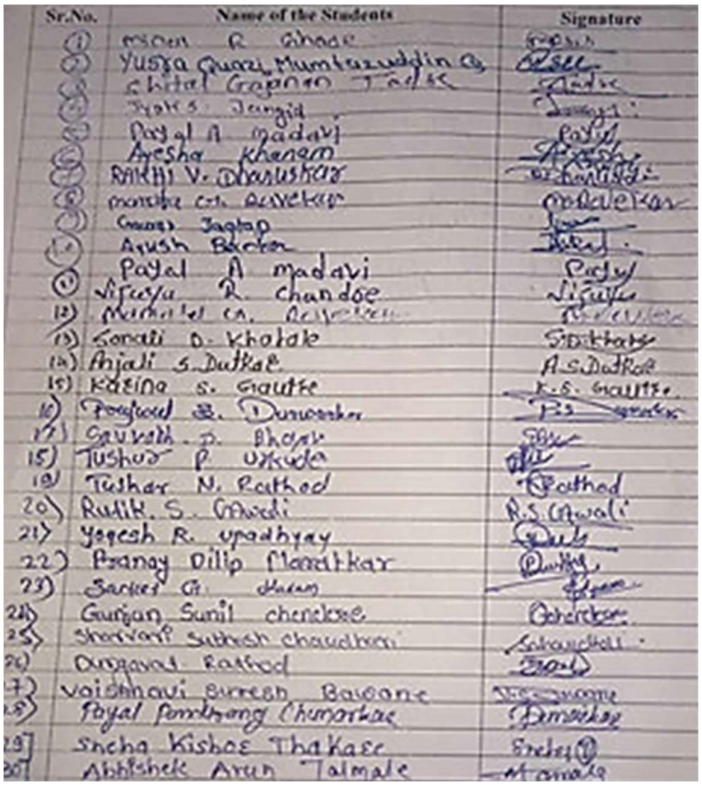
English version of News

Tree Painting Program

Lokmat News Network

Kalamb, October 11, 2022: Indira Mahavidyalaya, Kalamb organized a tree painting and tagging campaign in the outskirts of Kalamb. Under the guidance of Prof. S.Y. Lakhadibe and Prof. Dr. D.M. Chavan, 37 students participated. Trees were treated with natural fungicides to protect their health, and informative tags were placed on them. This campaign improved the health of the trees and raised community awareness about their importance. Students and volunteers increased community participation in the protection and maintenance of trees. This initiative has improved the health of local plants and raised awareness for environmental conservation.

Attendance



Sr.No.	Name of the Students	Signature
1	Aman R. Ghode	
2	Yusra Qureshi Mumtazuddin Q.	
3	Chital Gopinath Tadse	
4	Sakshi Jangid	
5	Payal A. Madavi	
6	Ayesha Khanam	
7	Rakhi V. Dharashkar	
8	Manisha Ch. Ardekar	
9	Gaurav Jagtap	
10	Ayush Bhoyar	
11	Payal A. Madavi	
12	Vijaya R. Chandge	
13	Manisha Ch. Ardekar	
14	Sonali D. Khalale	
15	Anjali S. Dudhal	
16	Karina S. Gautre	
17	Pragati B. Dhanorkar	
18	Gaurakh P. Bhoyar	
19	Tushar P. Umade	
20	Tushar N. Rathod	
21	Rutik S. Mavadi	
22	Yogesh R. Upadhyay	
23	Pranay Dilip Mandhkar	
24	Sanket G. Dhanorkar	
25	Gunjan Sunil Chenekar	
26	Shreyansi Sukesh Chaudhari	
27	Durgavati Rathod	
28	Vaishnavi Suresh Bavane	
29	Payal Pandurang Chimurkar	
30	Sneha Kishor Thakare	
31	Abhishek Arun Talmale	

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Rally in Town for Nature Awareness at Village Square (2022-23)

Indira Mahavidyalaya, Kalamb, organized a rally in the town square to raise awareness about nature conservation. Participants marched through the streets, carrying banners and signs highlighting the importance of protecting the environment. Speeches and presentations were delivered at the village square, emphasizing the significance of preserving natural resources and promoting sustainable practices. The rally aimed to mobilize the community and inspire collective action towards creating a greener and more sustainable future for all.

- **Event: Nature Conservation Rally**
- **Date: October 12, 2022**
- **Location: Kalamb**
- **Participants: 52 student**

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इंदिरा महाविद्यालयाची निसर्ग संवर्धन रॅली

प्रतिनिधि/कळंब

कळंब, 12 ऑक्टोबर 2022 — निसर्ग संवर्धनाच्या महत्त्वावर लक्ष केंद्रित करण्यासाठी इंदिरा महाविद्यालय, कळंब यांनी कळंब शहरात भव्य रॅली आयोजित केली. प्रा. डॉ. व्ही.पी. मांडवकर आणि प्रा. डॉ. एम.पी. राखुंडे यांच्या नेतृत्वाखाली 104 विद्यार्थ्यांनी या रॅलीत सहभाग घेतला. पर्यावरण संरक्षणाचे महत्त्व अधोरेखित करणारे बॅनर्स आणि चिन्हे घेऊन विद्यार्थ्यांनी कळंबच्या रस्त्यावरून मोर्चा काढला. रॅलीच्या शेवटी, शहराच्या चौकात विद्यार्थ्यांनी भाषणे दिली आणि सादरीकरणे केली ज्यामध्ये नैसर्गिक संसाधने जपण्याचे आणि शाश्वत पद्धती अंगीकारण्याचे महत्त्व सांगण्यात आले. या रॅलीने स्थानिकांना पर्यावरणीय जागरूकतेसाठी प्रेरित केले आणि हरित आणि शाश्वत भविष्याकडे एकत्रित कृती करण्यासाठी प्रोत्साहित केले.

English version of News

Divyamarathi

Nature Conservation Rally

Reporter/Kalamb

Kalamb, October 12, 2022: To focus on the importance of nature conservation, Indira Mahavidyalaya, Kalamb organized a grand rally in Kalamb city. Under the leadership of Prof. Dr. V.P. Mandavkar and Prof. Dr. M.P. Rakhunde, 104 students participated in the rally. Carrying banners and signs emphasizing the importance of environmental protection, the students marched through the streets of Kalamb. At the end of the rally, the students gave speeches and presentations at the city's square, highlighting the importance of preserving natural resources and adopting sustainable practices. This rally inspired the local community towards environmental awareness and encouraged collective action towards a green and sustainable future.

Attendance - 1

अ.क्र.	विद्यार्थ्यांचे नाव	वर्ग	सही
1	Moncali V Khuspude	B.com II	Khuspude
2)	Pallavi V. Patankar	B.A. I	Patankar
3)	Divya D. Pande	B.A.I	Pande
3)	Nikita G. Farkade.	B.A. I	Farkade.
4)	Shalini P. Nyahare	B.A.I	
5)	Nisha A. Tulaskar	B.A. III	
6)	Nikita R. Dhote	B.A III	Dhote
7)	Sanu r. Mandhare.	B.A.II	r. Mandhare.
8)	Reggafi A. Mandhare	B.A.I	Amandhare.
9)	Vaishali P. Vidhate.	B.com II	Vidhate
10)	Kavita D. Digale.	B.com II	Digale
11)	Shital Arun Bobade	B.A.I	Bobade
12)	kirti Babarao Nagose	B.A.I	Nagose
13)	Pratiksha Ayyanathji Rambhe	BCom IInd	Rambhe
14)	Sneha Kashinath shirbhate	BCom IInd	Sh. shirbhate
15.	Shradeha Rajendra Likhar	B.com IInd	Likhar
16.	Sampada J. khode	B.com IInd	Khode
17	Bharana R. Rajurkar	BSc.III	Rajurkar
18)	Vaishnavi P. Vyas	B.Sc III	
19)	Riya B. Virulkar.	B.Sc. III	Virulkar.
20	Vaishnavi v. Ramteke	BSc III	Ramteke
21	Shital P. Kothadi	B.Sc III	Kothadi
22)	shital. c. Meshram	B.com I	Cmeshram
23)	Suchita S. Nehare	B.com II	SNehare
24)	Swati D. Pendam	B.com II	Pendam
25)	Ashvini N. Dahare	B.Sc. I	Dahare

Bobade

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

P. B. Mankar.

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Attendance - 2

29)	Omprakash R. Joshi	B.com II	[illegible]
30)	Mohan S. Kale	B.com II	[illegible]
31)	Vaishnavi R. Sadsakle	B.com II	V.Sadsakle
32)	Aron P. Sadakle	B.com II	[illegible]
33)	Anuksha Lahu Barbuse	M.Com I	[illegible]
34)	Unnati R. Andelkar	M.com I	U.R.Andelkar
35)	Mayuri G. Dhokane	M.com I	Dhokane
(36)	Sakshi G. Awathare	M.com I	[illegible]
(37)	Rachna Anil Ghalte	M.com I	Ghalte
(38)	Bhavik D. Bhagat	M.com	[illegible]
39)	Maithili B. Ghinmine	M.com I	M.B. Ghinmine
40)	Aishvarya S. Dudhkohle	M.com I	A.S.Dudhkohle.
41)	Geeta M. Bawane	M.com I	[illegible]
42)	Sneha Shamrao Meshram	M.Com I	S.S.Meshram.
43)	Gitanjali B. Musale	M.com I	Gmusale
44	Ankita S. Dumare	M.com I	Ankita
45)	Shubham Arun Pawar	M.com	Pawar
46)	Saurabh R. Thakare	M.com	Thakare
47)	Pratiksha B. Salone	M.com	P.B.Salone
(48)	Pratiksha S. Gadge	M.com I	Gadge
49	Payal Ramesh Patil	M.Com. I	P.Patil
50)	Kajal Namdev Dhurve	M.com I	K.Dhurve
(51)	Achal Raju Rade	M.com I	[illegible]
52	Suchita L. Ekonkar	M.com. I	S.Ekonkar

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P.B. Madake
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Program for Nature Awareness at Village Square (2022-23)

Indira Mahavidyalaya, Kalamb, organized a nature awareness program at the village square, aimed at educating local residents about environmental conservation. Through interactive sessions, workshops, and demonstrations, participants learned about the importance of preserving natural habitats, biodiversity, and sustainable living practices. The program also included tree planting activities and discussions on waste management and water conservation. By fostering a deeper appreciation for nature and empowering communities to take action, the initiative strived to create a more environmentally conscious society.

- **Event:** Nature Awareness Program
- **Date:** February 25, 2021
- **Location:** Bori
- **Participants:** 27 students

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इंदिरा महाविद्यालयाचा बोरी येथे पथनाटयाद्वारे जागरूकता

कळंब, 28 फेब्रुवारी 2021 — पर्यावरणीय संवर्धनासाठी आणि जनजागृतीसाठी इंदिरा महाविद्यालय, कळंब यांनी बोरी येथील ग्राम चौकात निसर्ग जागरूकता कार्यक्रम आयोजित केला. प्रा. पी.बी. इंगळे आणि प्रा. एस.आर. खांडेकर यांच्या मार्गदर्शनाखाली 29 विद्यार्थ्यांनी या कार्यक्रमात सक्रिय सहभाग घेतला. या कार्यक्रमात संवादात्मक सत्र, कार्यशाळा, आणि प्रात्यक्षिके आयोजित करण्यात आली, ज्यामध्ये नैसर्गिक अधिवासांचे संरक्षण, जैवविविधता संवर्धन, आणि शाश्वत जीवनशैलीचे महत्त्व याबद्दल माहिती देण्यात आली. कार्यक्रमादरम्यान झाडे लावण्याची क्रिया केली गेली, तसेच कचरा व्यवस्थापन आणि पाणी संवर्धनाबद्दल चर्चासत्रे घेतली गेली. या कार्यक्रमाने समुदायाला पर्यावरण संरक्षणाच्या दिशेने कृती करण्यासाठी प्रेरित केले आणि संस्थेची पर्यावरणीय शाश्वततेची वचनबद्धता दर्शवली आहे.

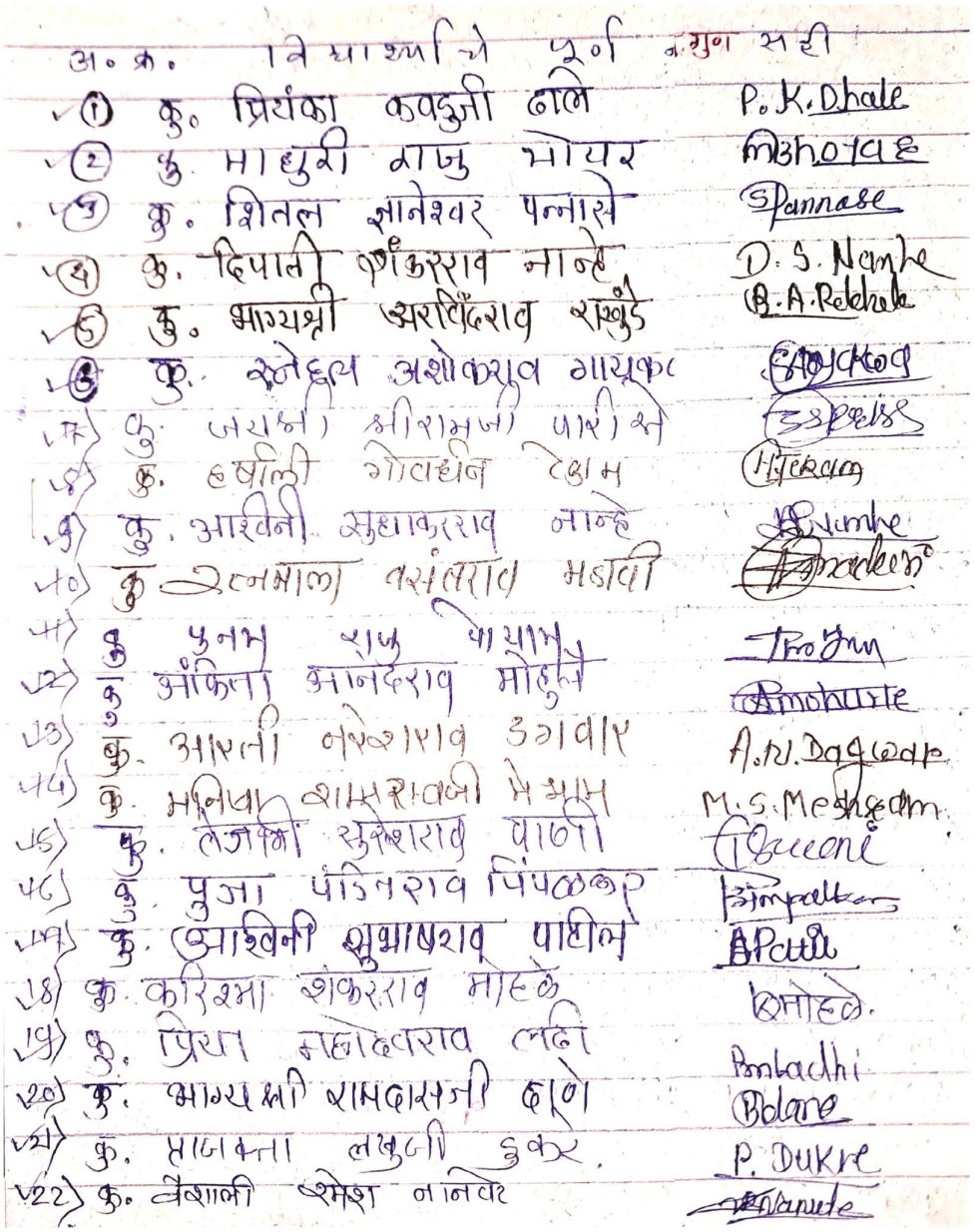
Developed by: ELITE INFOSOFT

English version of News

Awareness Program Through Street Play in Bori

Kalamb, February 28, 2021: For environmental conservation and public awareness, Indira Mahavidyalaya, Kalamb organized a nature awareness program in the village square of Bori. Under the guidance of Prof. P.B. Ingle and Prof. S.R. Khandekar, 29 students actively participated in this program. The event included interactive sessions, workshops, and demonstrations, providing information on the preservation of natural habitats, biodiversity conservation, and the importance of sustainable lifestyles. During the program, tree plantation activities were conducted, along with discussions on waste management and water conservation. This initiative inspired the community to take action towards environmental protection and showcased the institution's commitment to environmental sustainability.

Attendance



Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Mandake.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Cleanliness Programme in Bori Mahal, Date: 09/12/2022

INDIRA MAHAVIDYALAYA, KALAMB, DIST. YAVATMAL

CLEANLINESS PROGRAMME IN BORI MAHAL

ORGANIZED BY

NSS UNIT,

INDIRA MAHAVIDYALAYA, KALAMB, DIST. YAVATMAL

09 DEC, 2022

08.00 AM

Venue : Zilla Parishad School, Bori mahal, Kalamb, Dist. Yavatmal

Participants Engaged in Cleanliness Drive at Bori Mahal

न्यूज inbox

इंदिरा महाविद्यालय, कळंब

कळंब: इंदिरा महाविद्यालय, कळंब येथे एनएसएस युनिटने बोरी महालमध्ये स्वच्छता कार्यक्रम आयोजित केला. इंदिरा महाविद्यालयाच्या आसपासल्या गावाच्या बोरी महाल ही स्थानिक आरोग्य आणि परिसर स्वच्छतेत विषय बनले. उत्साही सहभागींच्या संघात, ज्यात विद्यार्थी आणि शिक्षक आहेत, कार्यक्रम एक संक्षिप्त परिचय सत्राने सुरू झाला आणि दिवसाच्या कार्यक्रमांसाठी आणि उद्दिष्ट ठरविण्यासाठी योजना केली. स्वच्छता साधारणतः शैक्षणिक कार्यक्रमातून विद्यार्थ्यांना दिली जाते. कार्यक्रमात स्वच्छता केली आणि गावातील वातावरणातील स्वच्छतेला संदेश पोहोचवायला प्रयत्न केले. हा कार्यक्रम फक्त एक स्वच्छ आणि आरोग्यपूर्ण वातावरणाच्या योग्यतेत काही योगदान केले व सर्व स्तरांवर गावातील आरोग्याच्या आणि स्वच्छतेच्या जबाबदारीची भावना तयार केली.

English version of News

Indira Mahavidyalaya, Kalamb

Kalamb: The NSS unit at Indira Mahavidyalaya, Kalamb organized a cleanliness program at Bori Mahal. Bori Mahal, a village near Indira Mahavidyalaya, became a focal point for local health and environmental cleanliness. The enthusiastic team, comprising students and teachers, began the program with a brief introductory session and planned the activities and objectives for the day. Cleanliness education is typically provided to students through educational programs. The program involved cleaning activities and efforts to convey the message of cleanliness in the village environment. This initiative contributed not only to a clean and healthy environment but also fostered a sense of responsibility for health and cleanliness at all levels within the village.

लोकमत

इंदिरा महाविद्यालय, कळंब

लोकमत न्यूज नेटवर्क

कळंब:इंदिरा महाविद्यालय, कळंब येथे एनएसएस युनिटने बोरी महालमध्ये स्वच्छता कार्यक्रम आयोजित केला. इंदिरा महाविद्यालयाच्या आसपासल्या गावाच्या बोरी महाल ही स्थानिक आरोग्य आणि परिसर स्वच्छतेत विषय बनले. उत्साही सहभागींच्या संघात, ज्यात विद्यार्थी आणि शिक्षक आहेत, कार्यक्रम एक संक्षिप्त परिचय सत्राने सुरू झाला आणि दिवसाच्या कार्यक्रमांसाठी आणि उद्दिष्ट ठरविण्यासाठी योजना केली. स्वच्छता साधारणतः शैक्षणिक कार्यक्रमातून विद्यार्थ्यांना दिली जाते. कार्यक्रमात स्वच्छता केली आणि गावातील वातावरणातील स्वच्छतेला संदेश पोहोचवायला प्रयत्न केले. हा कार्यक्रम फक्त एक स्वच्छ आणि आरोग्यपूर्ण वातावरणाच्या योग्यतेत काही योगदान केले व सर्व स्तरांवर गावातील आरोग्याच्या आणि स्वच्छतेच्या जबाबदारीची भावना तयार केली.

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English version of News

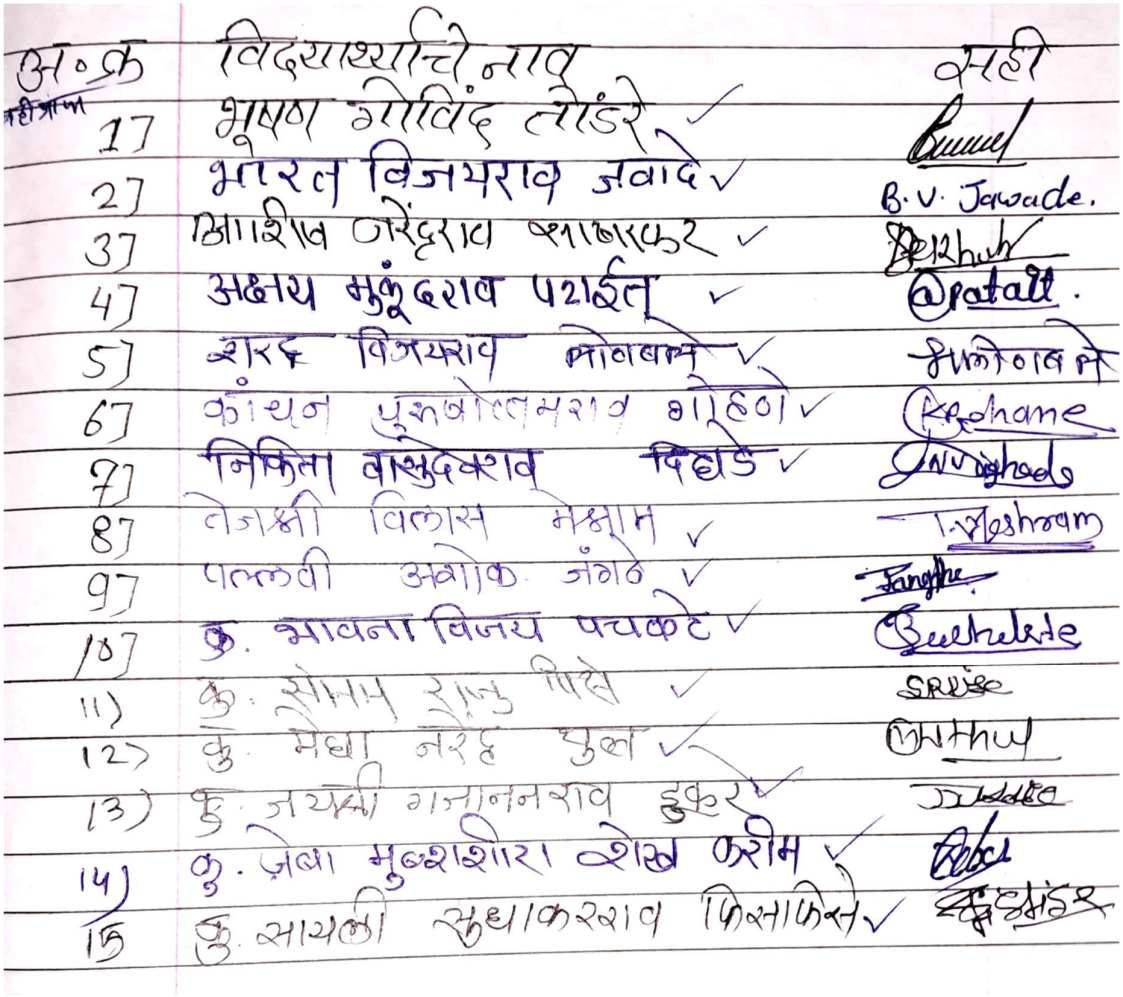
Lokmat

Indira Mahavidyalaya, Kalamb

Lokmat News Network

Kalamb: The NSS unit at Indira Mahavidyalaya, Kalamb organized a cleanliness program at Bori Mahal. Bori Mahal, a village near Indira Mahavidyalaya, became a focal point for local health and environmental cleanliness. The enthusiastic team, comprising students and teachers, began the program with a brief introductory session and planned the day's activities and objectives. Cleanliness education is typically provided to students through educational programs. The program involved cleaning activities and efforts to convey the message of cleanliness in the village environment. This initiative contributed not only to a clean and healthy environment but also fostered a sense of responsibility for health and cleanliness at all levels within the village.

Attendance Sheet



अ.क्र	विद्यार्थ्याचे नाव	सही
17	भूषण गोविंद तोंडरे ✓	
27	भारत विजयराव जवादे ✓	B. V. Jawade.
37	आशिष नरेंद्रराव शाबरकर ✓	
47	अक्षय मुकुंदराव पटाईत ✓	
57	शरद विजयराव मोगलाने ✓	
67	कांचन पुरुषोत्तमराव शेडमे ✓	
77	निकिता वासुदेवराव पिंपळे ✓	
87	तेजश्री विलास मेश्राम ✓	T. Meshram
97	पल्लवी अशोक जंगठे ✓	
107	कु. भावना विजय पचकटे ✓	
11)	कु. सोनम राजु पिसे ✓	
12)	कु. मेघा नरेंद्र फुल ✓	
13)	कु. जयश्री गजाननराव इंगळे ✓	
14)	कु. जेबा मुब्शीरा शेख करीम ✓	
15	कु. सायली सुधाकरराव पिसाळकर ✓	

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

P. B. Mandake.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Cleanliness Programme in Bori Mahal	NSS Unit	Cleanliness Program	09/12/2022	15

The Cleanliness Programme in Bori Mahal, an effort led by the NSS Unit of Indira Mahavidyalaya, Kalamb on December 9th, 2022, with the aim of fostering a cleaner and healthier environment in the village. Bori Mahal, situated near the college, was the focal point of this impactful initiative.

With a team of 20 enthusiastic participants, comprising students and faculty members, the programme commenced with a brief orientation session to outline the objectives and activities planned for the day. Armed with cleaning supplies and a collective spirit of service, the volunteers take various cleanliness drives across the village.

The programme not only contributed to a cleaner and healthier environment but also inspired a sense of ownership and responsibility among all stakeholders towards the well-being of the village.

Co-ordinator
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Indira Mahavidyalaya Code No. 414 Kalamb

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Kalamb Dist.Yavatmal

Harit Sena Initiative (21-22)

In response to the Ministry of Environment and Climate Change, Maharashtra's call, students of Indira Mahavidyalaya, Kalamb, joined the "Harit Sena" initiative. They targeted various environmental issues through awareness campaigns, community outreach, and practical initiatives like tree planting and waste management. Engaging with local communities and advocating for policy changes, they fostered a culture of environmental stewardship. The initiative's impact extended beyond the campus, inspiring action and raising awareness about sustainable practices.

- **Event:** "Harit Sena" Initiative Participation
- **Participants:** 20 students
- **Proof:** Certificate


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
'Mazi Vasundhara Mitra'
MAJHI VASUNDHARA
MITRA
Name : DIMPAL DEVRAO BHAGAT
Date : 04/01/2022
Aaditya Thackeray
Minister
Tourism, Environment and Climate Change & Protocol
PLEDGE2/00445508


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
'Mazi Vasundhara Mitra'
MAJHI VASUNDHARA
MITRA
Name : MAYURI VISHNUJI GADE
Date : 03/01/2022
Aaditya Thackeray
Minister
Tourism, Environment and Climate Change & Protocol
PLEDGE2/00438592


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
'Mazi Vasundhara Mitra'
Name : SHRADDHA DUDHKOL
Date : 03/01/2022
MAJHI VASUNDHARA
MITRA
Aaditya Thackeray
Minister
Tourism, Environment and Climate Change & Protocol
PLEDGE2/00438564


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
'Mazi Vasundhara Mitra'
Name : RASIKA DARWHEKAR
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MAJHI VASUNDHARA
MITRA
Aaditya Thackeray
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PLEDGE2/00438149


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
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MAJHI VASUNDHARA
MITRA
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Date : 04/01/2022
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PLEDGE2/00445132


Government of Maharashtra
Environment and Climate Change Department
CERTIFIED
'Mazi Vasundhara Mitra'
MAJHI VASUNDHARA
MITRA
Name : SWAPNA SURESH PENDOR PENDOR
Date : 04/01/2022
Aaditya Thackeray
Minister
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PLEDGE2/00444923

लोकमत

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इंदिरा महाविद्यालयाचा "हरित सेना" उपक्रमात सहभाग

लोकमत न्यूज नेटवर्क

कळंब: इंदिरा महाविद्यालय, कळंब या शैक्षणिक संस्थेतर्फे "हरित सेना" उपक्रमाचा आयोजन केला गेला होता, ज्यामुळे विद्यार्थ्यांनी पर्यावरण संरक्षणाच्या मुद्द्यांवर साकारता वाढविण्याच्या प्रयत्नांमध्ये सहभागी झाले होते. या उपक्रमाच्या माध्यमातून, विद्यार्थ्यांनी जनजागृती, समुदाय प्रबोधन, आणि पर्यावरणाच्या मुद्द्यांवर केंद्रित काम केले होते.प्रा. ए.व्ही. टागळपल्लेवार आणि प्रा. डॉ. के.आर. नेमाडे यांच्या मार्गदर्शनाखाली, विद्यार्थ्यांनी वृक्षारोपण, कचरा व्यवस्थापन, आणि पर्यावरण संरक्षणाच्या विविध अभियानांमध्ये सक्रियतेचे प्रदर्शन केले. त्यांच्या मार्गदर्शनाखाली, उपक्रमात एकूण 20 विद्यार्थ्यांनी सहभाग घेतला होता. या उपक्रमाच्या माध्यमातून, पर्यावरण संरक्षणाच्या महत्त्वाच्या मुद्द्यांवर लक्ष केंद्रित केले आणि विद्यार्थ्यांना शाश्वत पद्धतींना प्रोत्साहित केले. त्यामुळे, संस्थेची पर्यावरणीय प्रबोधन आणि शाश्वततेच्या व्यावहारिक गुंतवणुकीची मान्यता मिळाली आहे. या उपक्रमाच्या प्रमाणपत्राद्वारे, इंदिरा महाविद्यालयाची पर्यावरणीय प्रबोधन आणि शाश्वततेच्या व्यावहारिक गुंतवणुक समर्थनात आहे, ज्याने पर्यावरण संरक्षणाच्या मुद्द्यांवर सकारात्मक परिणाम साकारते.

English version of News

Lokmat

Participation in the "Green Army" Initiative

Lokmat News Network

Kalamb: Indira Mahavidyalaya, Kalamb organized the "Green Army" initiative, through which students engaged in efforts to raise awareness on environmental conservation issues. Through this initiative, students worked on awareness campaigns, community education, and activities focused on environmental issues. Under the guidance of Prof. A.V. Tagalpallewar and Prof. Dr. K.R. Nemade, students actively participated in tree planting, waste management, and various environmental protection campaigns. A total of 20 students participated in the initiative. This program focused on important environmental conservation issues and encouraged students to adopt sustainable practices. As a result, the institution has been recognized for its practical commitment to environmental awareness and sustainability. The certification of this initiative highlights Indira Mahavidyalaya's support for environmental awareness and practical investment in sustainability, positively impacting environmental conservation issues.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Mankar
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Cleanliness Drives in Adopted Village (2021-22)

Cleanliness drives were regularly organized in the adopted village by Indira Mahavidyalaya, Kalamb, as part of its community outreach efforts. Faculty members, students, and volunteers joined hands to clean public spaces, streets, and community areas. Through these drives, litter and debris were removed, and areas were beautified, fostering a clean and hygienic environment. Additionally, awareness campaigns on waste management and sanitation were conducted to educate villagers about the importance of cleanliness and hygiene. These initiatives not only improved the aesthetic appeal of the village but also promoted a sense of community pride and responsibility for maintaining cleanliness.

- **Event:** Cleanliness Drive
- **Date:** October 10, 2022
- **Location:** Thalegaon
- **Participants:** 32 students

लोकमत

इंदिरा महाविद्यालयातर्फे स्वच्छता अभियान

लोकमत न्यूज नेटवर्क

कळंब, 17 ऑक्टोबर 2022: इंदिरा महाविद्यालय, कळंब यांनी थळेगाव येथे स्वच्छता अभियान राबवले. प्रा. प्रशांत एस. जावडे आणि प्रा. डॉ. डी.एम. चव्हाण यांच्या नेतृत्वाखाली 35 विद्यार्थ्यांनी या अभियानात सहभागी होऊन रस्ते, सार्वजनिक ठिकाणे, आणि सामुदायिक क्षेत्रे स्वच्छ करण्यासाठी अथक प्रयत्न केले. या अभियानाद्वारे कचरा आणि धूळ हटवून गावात स्वच्छता आणि सौंदर्य वाढवण्यात आले. विद्यार्थ्यांनी आणि स्वयंसेवकांनी स्वच्छतेच्या महत्त्वाबद्दल जनजागृती मोहिमा चालवल्या, ज्यामध्ये कचरा व्यवस्थापन, स्वच्छता, आणि आरोग्य याबद्दल माहिती दिली. या उपक्रमामुळे परिसरातील आरोग्य आणि स्वच्छतेत सुधारणा घडवून आणली, ज्यामुळे गावातील रहिवाशांना स्वच्छतेचे महत्त्व पटवून दिले आणि त्यांना स्वच्छता राखण्यासाठी प्रेरित केले.

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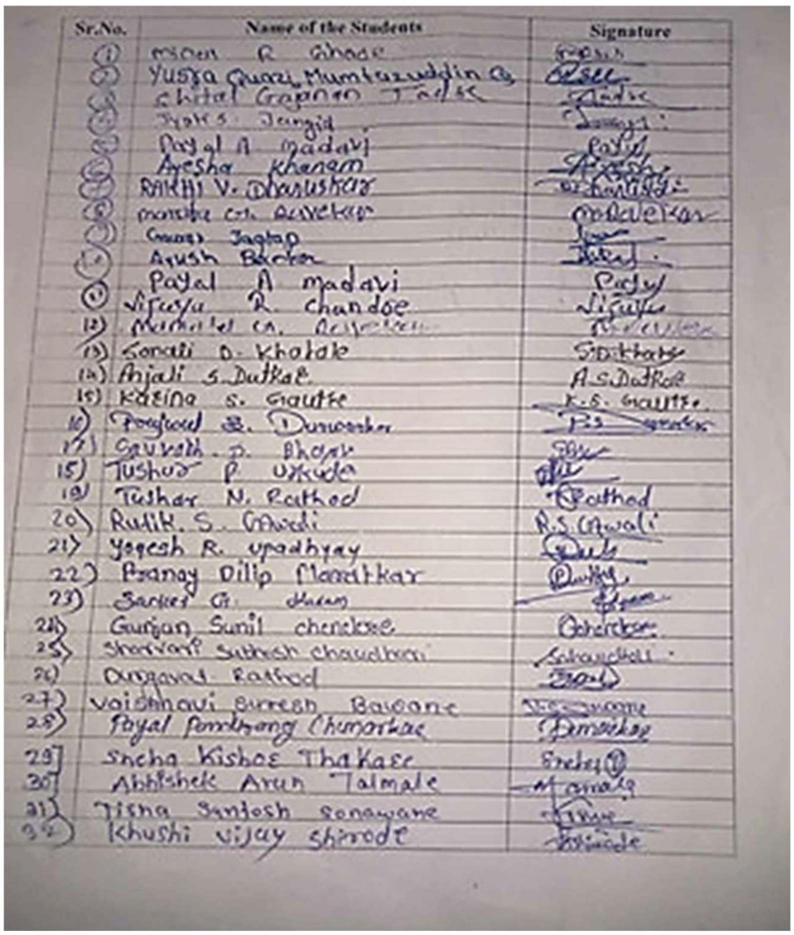
English version of News

Cleanliness Campaign

Lokmat News Network

Kalamb, October 17, 2022: Indira Mahavidyalaya, Kalamb conducted a cleanliness campaign in Balegaon. Under the leadership of Prof. Prashant S. Jawade and Prof. Dr. D.M. Chavan, 35 students participated in this campaign, tirelessly working to clean roads, public places, and community areas. By removing trash and dust, the campaign enhanced cleanliness and beauty in the village. Students and volunteers conducted awareness campaigns about the importance of cleanliness, covering waste management, hygiene, and health. This initiative improved health and cleanliness in the surroundings, emphasizing the importance of cleanliness to the villagers and inspiring them to maintain a clean environment.

Attendance



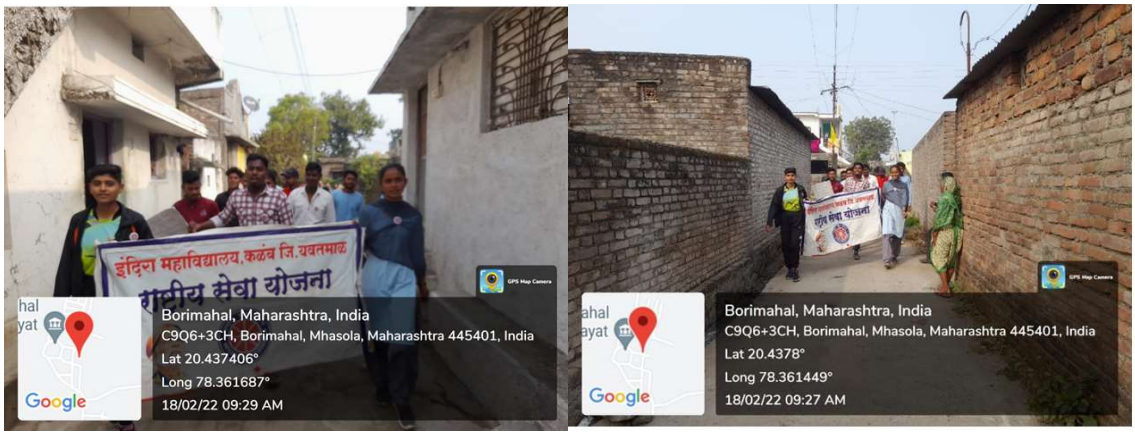
Sr.No.	Name of the Students	Signature
1	Ishan R. Ghode	[illegible]
2	Yusfa Quazi Mumtazuddin Q.	[illegible]
[illegible]	Chital Gajanan Jadhk	[illegible]
[illegible]	Jyoti S. Jangid	[illegible]
[illegible]	Payal A. madavi	Payal
[illegible]	Ayesha Khanam	Ayesha
[illegible]	Rakhi V. Dhanuskar	[illegible]
[illegible]	Manisha G. Achvekar	[illegible]
[illegible]	Gaurav Jagtap	[illegible]
[illegible]	Ayush Bhakre	[illegible]
[illegible]	Payal A madavi	Payal
11	Vijaya R. Chandoe	Vijaya
12)	Mamta G. Achvekar	[illegible]
13)	Sonali D. Khatak	S.D. Khatak
14)	Anjali S. Dutkar	A.S. Dutkar
15)	Karina S. Gautte	K.S. Gautte
16)	Pruthvi B. Dumorkar	[illegible]
17)	Gaurav D. Bhoyar	[illegible]
15)	Tushar P. Ukade	[illegible]
19)	Tushar N. Rathod	Rathod
20)	Rutik S. Gawali	R.S. Gawali
21)	Yogesh R. upadhyay	[illegible]
22)	Pranay Dilip Mankar	[illegible]
23)	Sanket G. Hazam	[illegible]
24)	Gunjan Sunil chendke	[illegible]
25)	Shravani Subhash Chaudhari	[illegible]
26)	Durgavati Rathod	[illegible]
27)	Vaishnavi Suresh Baoane	[illegible]
28)	Payal Pandurang Chimorkar	[illegible]
29]	Sneha Kishor Thakare	Sneha
30]	Abhishek Arun Talmale	[illegible]
31)	Tisha Santosh Sonawane	[illegible]
32)	Khushi Vijay Shirode	[illegible]

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya
Code No. 414
Kalamb

P. B. Madavi
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Water Conservation Awareness Rally, Date: 18/02/2022



NSS Unit Organized a Water Conservation Rally

पाणी संवर्धन जनजागृती रॅली

तालुका प्रतिनिधि/अमरावती दर्शन

कळंब: एनएसएस युनिटने प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. प्रशांत जवादे यांच्या नेतृत्वाखाली सामाजिक कल्याणासाठी जलसंधारणाच्या निकडीवर भर देत परिवर्तनशील जलसंधारण जनजागृती रॅलीचे नेतृत्व केले. एनएसएस स्वयंसेवक आणि स्थानिक रहिवाशांसह व्यक्तींच्या सहभागासह, या गंभीर समस्ये बद्दल समाजाला शिक्षित आणि प्रबोधन करण्याचा या कार्यक्रमाचा उद्देश होता. रॅलीने रहिवाशांशी थेट संवाद साधण्याचे व्यासपीठ म्हणून काम केले, पाण्याचा अपव्यय रोखण्यासाठी आणि आमच्या अमूल्य जलसाठ्यांचे रक्षण करण्यासाठी व्यावहारिक धोरणांवर चर्चा करण्यास प्रोत्साहन दिले. रॅलीने कृतीसाठी एक शक्तिशाली कॉल म्हणून काम केले, सहभागी आणि प्रेक्षकांमध्ये जलसंधारणाविषयी जबाबदारीची भावना जागृत केली, आयोजन समितीच्या प्रतिनिधीने व्यक्त केले. परस्परसंवादी सत्रांद्वारे, आम्ही अर्थपूर्ण देवाणघेवाण सुलभ केली, व्यक्तींना त्यांच्या दैनंदिन जीवनात शाश्वत पद्धती स्वीकारण्यास सक्षम केले. या कार्यक्रमाने केवळ जलसंधारणाच्या आवश्यकतेबद्दल जागरूकता वाढवली नाही तर या महत्त्वाच्या कारणाला प्राधान्य देण्याचा सामूहिक संकल्प देखील उत्प्रेरित केला. जलसंधारणाच्या प्रयत्नांसाठी तळागाळातील लोकांचा पाठिंबा एकत्रित करण्यात रॅलीचे यश अधोरेखित केले.

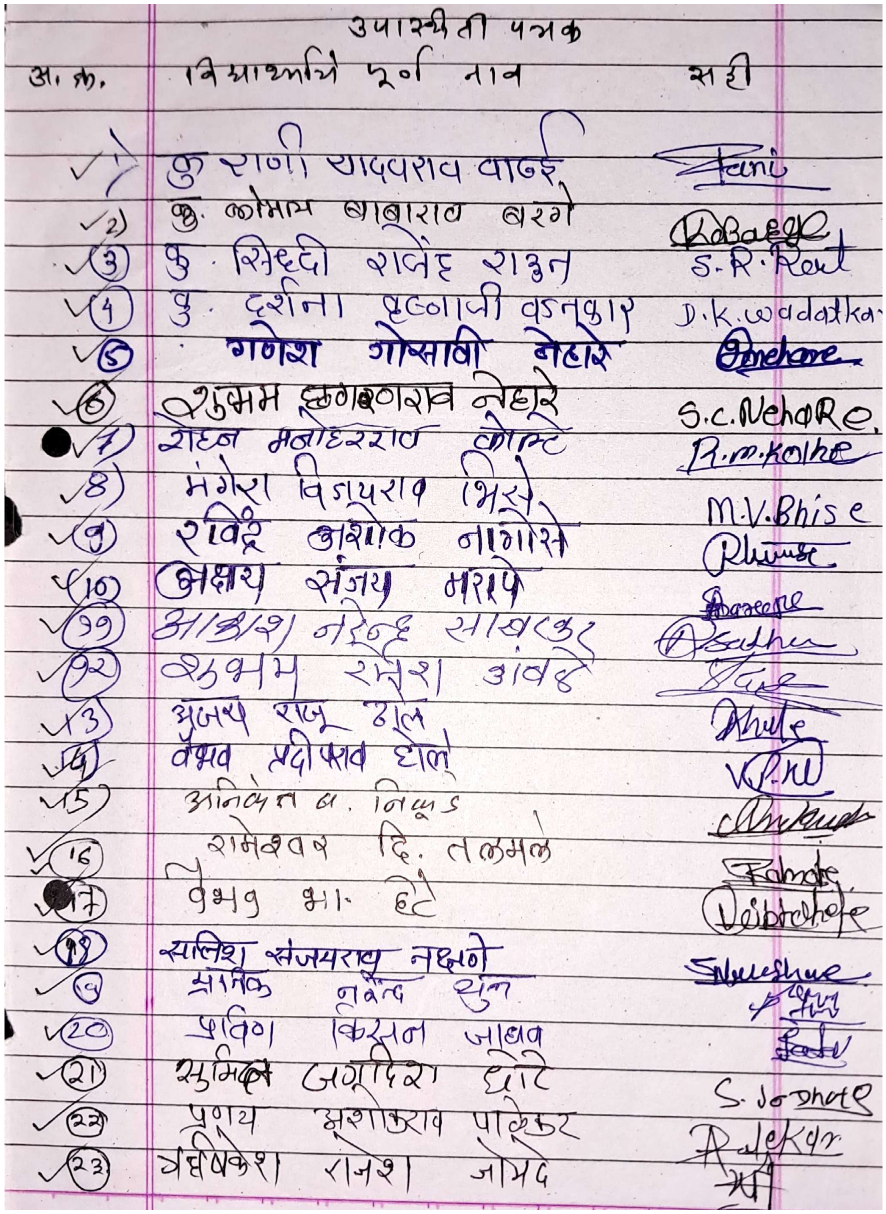
English version of News

Water Conservation Awareness Rally

Taluka Representative / Amravati Darshan

Kalamb: Under the leadership of Principal Dr. Pawan Mandavkar and NSS Officer Prof. Prashant Jawade, Indira Mahavidyalaya NSS unit organized a dynamic Water Conservation Awareness Rally aimed at promoting transformative water conservation practices in the vicinity. NSS volunteers and local residents actively participated in raising awareness about pressing issues and educating society. The rally served as a platform for direct interaction with residents, focusing on practical strategies for water conservation and the preservation of our invaluable water resources. It effectively emphasized the responsibility of participants and observers towards water conservation, fostering a dialogue through interactive sessions that facilitated meaningful discussions and encouraged sustainable practices in daily life. The event not only heightened awareness about the necessity of water conservation but also inspired a collective commitment to prioritize this vital cause.

Attendance Sheet



उपास्थिती पत्रक

अ. क्र.	विद्यार्थ्यांचे पूर्ण नाव	सही
1	कु राणी यादवराव वाडई	Rani
2	कु. कोमल बाबाराव बरगे	K.Barge
3	कु. सिद्धी राजेंद्र राऊत	S.R.Raut
4	कु. दर्शना कृष्णाजी वडनकार	D.K.wadatkar
5	गणेश गोसावी नेहारे	G.nehare
6	शुभम छगनराव नेहारे	S.C.NehaRe.
7	रोहन मनोहरराव कोल्हे	R.m.kolhe
8	मंगेश विजयराव भिसे	M.V.Bhise
9	रविंद्र अशोक नागोसे	[illegible]
10	अक्षय संजय मराये	[illegible]
11	आकाश नरेन्द्र साखरकर	[illegible]
12	शुभम रमेश ठाकरे	[illegible]
13	अजय राजू ढोले	Dhole
14	वैभव प्रदीपराव ढोले	[illegible]
15	अनिकेत ब. निकुडे	[illegible]
16	रामेश्वर दि. तळमले	Ramate
17	वैभव भा. हटे	[illegible]
18	सतिश संजयराव नक्षणे	[illegible]
19	प्रतिक नरेन्द्र सुने	[illegible]
20	प्रविण किसन जाधव	[illegible]
21	सुमित जगदिश धोटे	S.J.Dhote
22	प्रणय अशोकराव पालेकर	Palekar
23	ऋषिकेश राजेश जोमदे	[illegible]

(signature)

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

P. B. Madavi (signature)

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Water Conservation Awareness Rally	NSS Unit	Social Awareness	18/02/2022	23

On the 18th of February, 2022, the NSS Unit organized a Water Conservation Awareness Rally for Social Awareness. This impactful event aimed to educate and mobilize the community regarding the critical issue of water conservation. A total of 23 participants, including NSS volunteers and residents, actively took part in the rally. Carrying banners and posters with informative messages, the participants marched through various parts of the community, spreading awareness about the importance of conserving water and adopting sustainable practices. The rally included interactive sessions where participants engaged with community members, discussing practical tips for reducing water wastage and protecting water resources. This initiative not only raised awareness about the pressing need for water conservation but also empowered individuals to take action in their daily lives to contribute to this vital cause. The enthusiastic participation and the positive response from the community highlighted the success of the event and the collective commitment towards preserving our precious water resources.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

2021-22

Swachha Bharat Abhiyan Rally, Date: 20/02/2022

SWACHHA BHARAT ABHIYAN RALLY

Date: 20/02/2022 & Time: 09.00 AM

Organized by
N.S.S. UNIT,
INDIRA MAHAVIDYALAYA, KALAMB
DIST. YAVATMAL

NSS Unit Organized Swachha Bharat Abhiyan Rally

लोकमत

इंदिरा महाविद्यालय, कळंब

लोकमत न्यूज नेटवर्क

कळंब:इंदिरा महाविद्यालय, कळंबच्या एनएसएस युनिटने स्वच्छ भारत अभियान रॅलीचे आयोजन केले होते, ज्याचे उद्दिष्ट समाजामध्ये स्वच्छता आणि स्वच्छता पद्धती रुजवण्याच्या उद्देशाने होते. प्राचार्य डॉ.पवन मांडवकर आणि एनएसएस अधिकारी प्रा.प्रशांत जवादे यांनी या महत्त्वपूर्ण उपक्रमाचे नेतृत्व केले. एनएसएस स्वयंसेवक आणि स्थानिक रहिवाशांसह सहभागींच्या प्रभावी सहभागासह, रॅलीने भारत सरकारने सुरू केलेल्या व्यापक स्वच्छ भारत अभियान चळवळीशी संरेखित होऊन स्वच्छता आणि स्वच्छतेला चालना देण्यासाठी एक रॅली म्हणून काम केले. सहभागींनी समुदायातील सदस्यांसह सक्रियपणे सहभाग घेतला, स्वच्छतेच्या महत्त्वाविषयी जागरुकता वाढवली आणि त्यांना स्वच्छता मोहिमांमध्ये आणि उपक्रमांमध्ये सहभागी होण्यासाठी प्रोत्साहित केले. स्वच्छता आणि स्वच्छता मानके राखण्यासाठी सामुदायिक समर्थन एकत्रित करण्यासाठी आणि जबाबदारीची सामूहिक भावना वाढवण्यासाठी ही रॅली एक गतिशील व्यासपीठ म्हणून उदयास आली.

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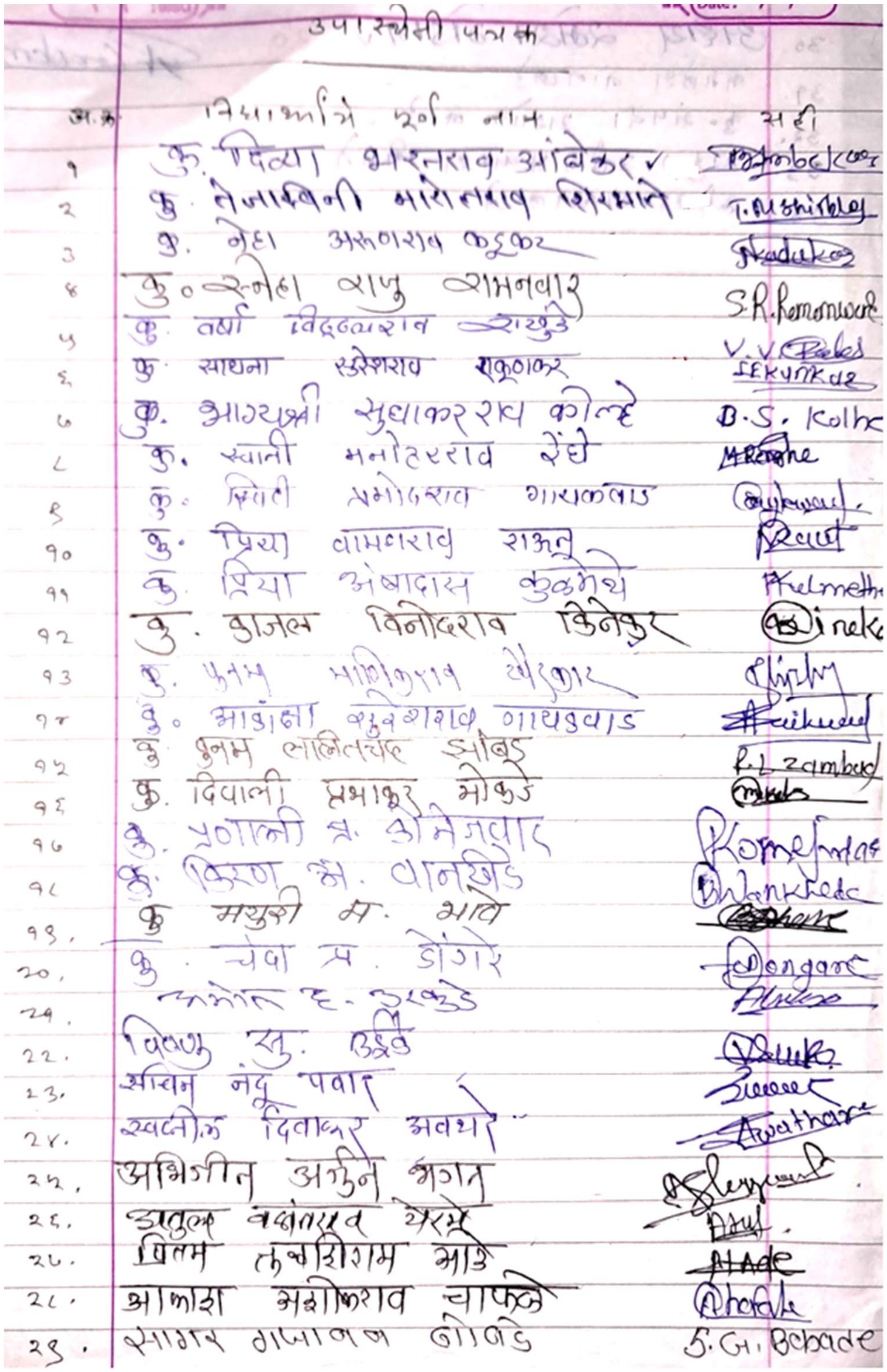
English version of News

Lokmat

Indira Mahavidyalaya, Kalamb

Kalamb: Indira Mahavidyalaya's NSS unit organized a Clean India Campaign rally, aiming to promote cleanliness and hygiene practices within society. Principal Dr. Pawan Mandavkar and NSS Officer Prof. Prashant Jawade led this significant event. NSS volunteers, along with local residents, actively participated in this rally, aligning it with the extensive Swachh Bharat Abhiyan initiated by the Indian government. The rally effectively highlighted the importance of cleanliness and encouraged active participation from community members, raising awareness about cleanliness and motivating them to engage in cleanliness initiatives and programs. This rally served as a dynamic platform to gather community support for maintaining cleanliness standards and fostering a collective sense of responsibility.

Attendance Sheet



उपस्थिती पत्रक

अ.क्र	विद्यार्थ्यांचे पूर्ण नाव	सही
१	कु. दिव्या भास्करराव आंबेकर ✓	[illegible]mbekar
२	कु. तेजस्विनी [illegible] शिरभाते	T.M.Shirbhate
३	कु. नेहा अरुणराव कडूकर	Kadukar
४	कु. स्नेहा राजु रामनवार	S.R.Ramanwar
५	कु. वर्षा विठ्ठलराव [illegible]	V.V.[illegible]
६	कु. साधना सुरेशराव सकुणकर	S.S.Sakunkar
७	कु. भाग्यश्री सुधाकरराव कोल्हे	B.S. Kolhe
८	कु. स्वाती मनोहरराव रेंघे	M.Renghe
९	कु. शिवानी प्रमोदराव गायकवाड	Gaikwad.
१०	कु. प्रिया वामनराव राऊत	Raut
११	कु. प्रिया अंबादास कुळमेथे	Kulmethe
१२	कु. काजल विनोदराव किनेकर	[illegible]ineke
१३	कु. पूनम [illegible] [illegible]	[illegible]
१४	कु. आकांक्षा [illegible] गायकवाड	Gaikwad
१५	कु. पूनम [illegible] झांबड	P.L.Zambad
१६	कु. दिवाली प्रभाकर मोकडे	Mokade
१७	कु. प्रणाली प्र. कोमेजवार	Komejwar
१८	कु. किरण [illegible]. वानखेडे	Wankhede
१९.	कु. मयुरी म. भाटे	Bhate
२०.	कु. चेतना प्र. डोंगरे	Dongare
२१.	[illegible] ह. [illegible]	[illegible]
२२.	[illegible] सु. [illegible]	[illegible]
२३.	सचिन नंदु पवार	[illegible]
२४.	स्वप्नील दिवाकर अवथरे	Awathare
२५.	अभिजीत अर्जुन भगत	[illegible]
२६.	अतुल वसंतराव थेरमे	Atul.
२७.	प्रितम [illegible] भाडे	Bhade
२८.	आकाश अशोकराव चाफले	Chafale
२९.	सागर गजानन बोबडे	S.G.Bobade

P.B. Madavi [signature]

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Swachha Bharat Abhiyan Rally	NSS Unit	Social Awareness	20/02/2022	29

On the 20th of February, 2022, the NSS Unit organized a Swachha Bharat Abhiyan Rally. This initiative aimed to promote cleanliness and hygiene practices within the community as part of the broader Swachh Bharat Abhiyan movement initiated by the Government of India. A total of 29 participants, including NSS volunteers and local residents, actively took part in the rally.

During the rally, participants engaged with community members, raising awareness about the significance of cleanliness and encouraging them to actively participate in cleanliness drives and initiatives. The Swachha Bharat Abhiyan Rally served as a platform to mobilize community support and foster a sense of collective responsibility towards cleanliness and sanitation. It underscored the NSS Unit's commitment to social awareness and community service, aligning with the national agenda of creating a cleaner and healthier India.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya
Code No. 414
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

2021-22

Say to No plastic Abhiyaan, Date: 22/03/2022

Participants Engaged in Collecting Plastic Waste

लोकमत

इंदिरा महाविद्यालय, कळंब

लोकमत न्यूज नेटवर्क

कळंब:सामाजिक जागरूकतेला चालना देण्यासाठी, इंदिरा महाविद्यालयाच्या एनएसएस युनिटने प्लॅस्टिक च्या हानिकारक परिनामबद्दल अत्यंत प्रभावी कार्यक्रमाचे आयोजन केले. या उपक्रमामध्ये उत्साही व्यक्तींनी भाग घेतला आणि प्लास्टिक प्रदूषणाच्या हानिकारक परिणामांबद्दल जनजागृती केली तसेच पर्यावरणपूरक पर्यायांच्या स्वीकाराला प्रोत्साहन दिले. कार्यक्रमाच्या सहभागींनी प्लास्टिक कचरा स्वच्छता मोहिमांमध्ये, पुनर्वापर कार्यशाळांमध्ये आणि प्लास्टिक उत्पादनांना पर्यावरणपूरक पर्याय तयार करण्याच्या क्रियाकलापांमध्ये सक्रिय सहभाग घेतला. या हाताळणीतील अनुभवांमुळे प्लास्टिक प्रदूषणाचा व्यापक परिणाम स्पष्ट झाला आणि सहभागी व्यक्तींना त्यांच्या प्लास्टिक वापर कमी करण्यासाठी ठोस पावले उचलण्यास सशक्त केले. कार्यक्रमात सहभागी झालेल्यांना प्लास्टिकच्या हानिकारक परिणामांची जाणीव झाली तसेच पर्यावरणपूरक जीवनशैली अंगीकारण्यास प्रोत्साहन मिळाले. कार्यक्रमाच्या समारोपाच्या वेळी, प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. प्रशांत जवादे यांनी सहभागी आणि आयोजकांच्या सक्रिय सहभागाबद्दल आणि समर्पणाबद्दल त्यांचे कौतुक केले. त्यांनी प्लास्टिकमुक्त भविष्याच्या दिशेने केलेल्या प्रयत्नांची महत्त्वपूर्णता अधोरेखित केली.

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English version of News

Lokmat

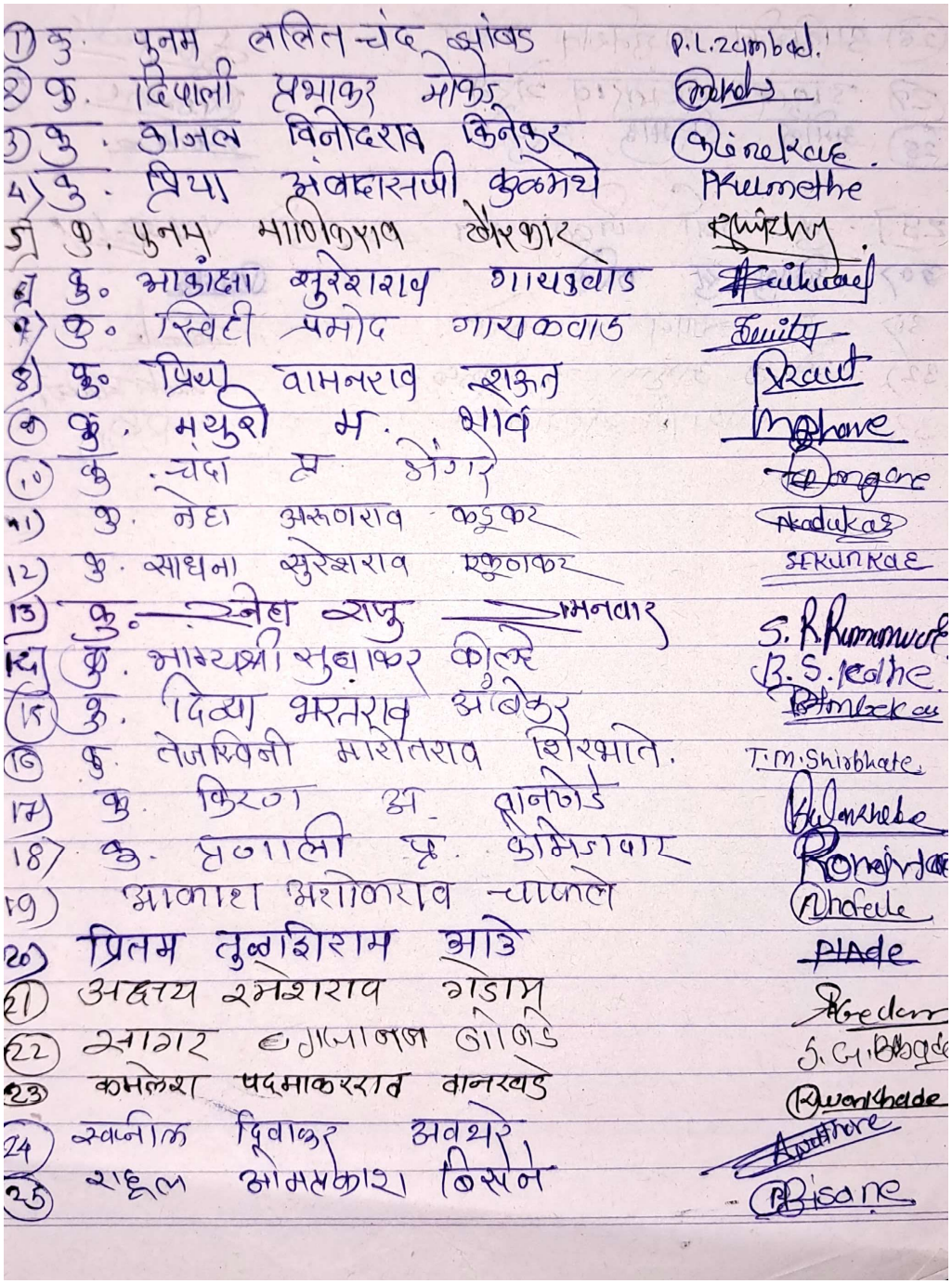
Indira Mahavidyalaya, Kalamb

Lokmat News Network

Kalamb: In order to promote social awareness and action against the harmful effects of plastic, Indira Mahavidyalaya's NSS unit organized a highly effective program. Enthusiastic individuals participated in this initiative, raising awareness about the harmful consequences of plastic pollution and promoting eco-friendly alternatives. Participants actively engaged in activities such as cleaning plastic waste, workshops on recycling, and exploring environmentally friendly alternatives to plastic production. Through these activities, participants gained firsthand experience of the widespread impact of plastic pollution and were motivated to reduce their plastic usage significantly. The program also encouraged participants to adopt an environmentally sustainable lifestyle.

During the concluding ceremony of the program, Principal Dr. Pawan Mandavkar and NSS Officer Prof. Prashant Jawade appreciated the active participation and dedication of the participants and organizers. They highlighted the importance of efforts towards a plastic-free future and acknowledged participants' commitment to understanding the detrimental effects of plastic pollution and embracing environmentally friendly lifestyles.

Attendance Sheet



P. B. Mandake.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Say to No plastic Abhiyaan	NSS Unit	Social Awareness	22/03/2022	25

The NSS Unit conducted a highly impactful event titled "Say No to Plastic Abhiyaan" on March 22, 2022, to promote social awareness. With the participation of 20 enthusiastic individuals, the initiative aimed to raise awareness about the detrimental effects of plastic pollution and encourage the adoption of eco-friendly alternatives. Participants actively took part in various activities, including plastic waste clean-up drives, recycling workshops, and the creation of eco-friendly alternatives to plastic products. These hands-on experiences not only highlighted the extent of plastic pollution but also empowered participants to take concrete steps towards reducing their plastic footprint.

In conclusion, the NSS Unit's "Say No to Plastic Abhiyaan" event exemplifies the power of collective action in addressing pressing environmental issues. With continued engagement and advocacy, the initiative holds the potential to drive meaningful change and pave the way towards a plastic-free future.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

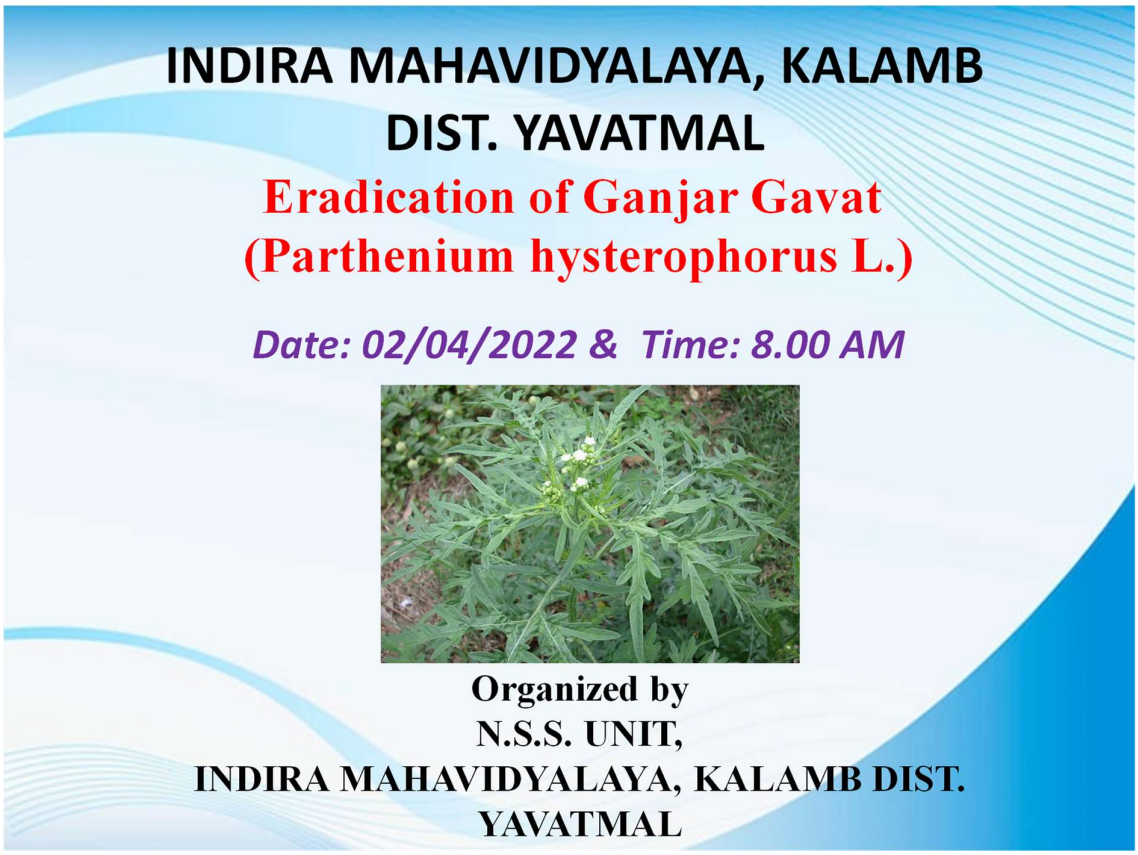
Indira Mahavidyalaya
Code No. 414
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

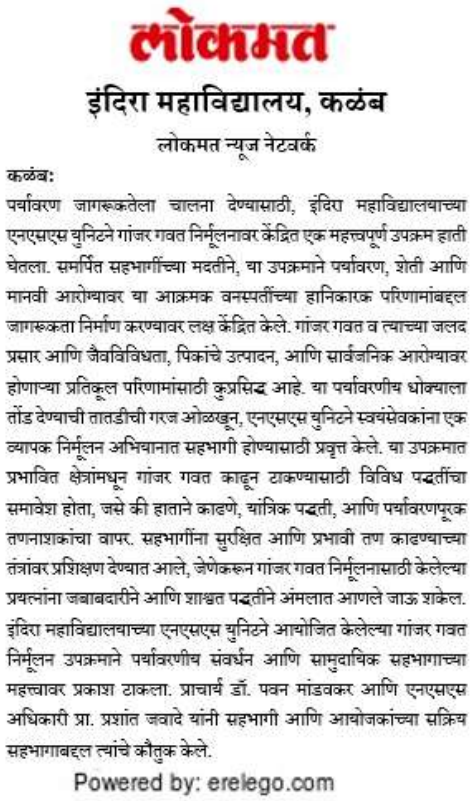
2021-22

Eradication of Ganjar Gavat (Parthenium hysterophorus L.),

Date: 02/04/2022



Particeipants Removing the Ganjar Gavat



लोकमत

इंदिरा महाविद्यालय, कळंब

लोकमत न्यूज नेटवर्क

कळंब:

पर्यावरण जागरूकतेला चालना देण्यासाठी, इंदिरा महाविद्यालयाच्या एनएसएस युनिटने गांजर गवत निर्मूलनावर केंद्रित एक महत्त्वपूर्ण उपक्रम हाती घेतला. समर्पित सहभागींच्या मदतीने, या उपक्रमाने पर्यावरण, शेती आणि मानवी आरोग्यावर या आक्रमक वनस्पतींच्या हानिकारक परिणामांबद्दल जागरूकता निर्माण करण्यावर लक्ष केंद्रित केले. गांजर गवत व त्याच्या जलद प्रसार आणि जैवविविधता, पिकांचे उत्पादन, आणि सार्वजनिक आरोग्यावर होणाऱ्या प्रतिकूल परिणामांसाठी कुप्रसिद्ध आहे. या पर्यावरणीय धोक्याला तोंड देण्याची तातडीची गरज ओळखून, एनएसएस युनिटने स्वयंसेवकांना एक व्यापक निर्मूलन अभियानात सहभागी होण्यासाठी प्रवृत्त केले. या उपक्रमात प्रभावित क्षेत्रांमधून गांजर गवत काढून टाकण्यासाठी विविध पद्धतींचा समावेश होता, जसे की हाताने काढणे, यांत्रिक पद्धती, आणि पर्यावरणपूरक तणनाशकांचा वापर. सहभागींना सुरक्षित आणि प्रभावी तण काढण्याच्या तंत्रांवर प्रशिक्षण देण्यात आले, जेणेकरून गांजर गवत निर्मूलनासाठी केलेल्या प्रयत्नांना जबाबदारीने आणि शाश्वत पद्धतीने अंमलात आणले जाऊ शकेल. इंदिरा महाविद्यालयाच्या एनएसएस युनिटने आयोजित केलेल्या गांजर गवत निर्मूलन उपक्रमाने पर्यावरणीय संवर्धन आणि सामुदायिक सहभागाच्या महत्त्वावर प्रकाश टाकला. प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. प्रशांत जवादे यांनी सहभागी आणि आयोजकांच्या सक्रिय सहभागाबद्दल त्यांचे कौतुक केले.

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English version of News

Lokmat

Indira Mahavidyalaya, Kalamb

Lokmat News Network

Kalamb: In an effort to promote environmental awareness and action, the NSS unit of Indira Mahavidyalaya undertook a significant initiative focused on the eradication of Parthenium (Congress grass) in the Ganjar Gavat area. With the dedicated assistance of participants, this initiative aimed to raise awareness about the harmful effects of these aggressive weeds on the environment, agriculture, and human health. Parthenium is notorious for its adverse effects on biodiversity, crop production, and public health.

Recognizing the urgent need to address this environmental threat, the NSS unit engaged volunteers in a comprehensive eradication campaign. The program included various methods such as manual removal, mechanical methods, and the safe use of environmental-friendly herbicides, ensuring that participants were trained on safe and effective weed removal techniques. These efforts aimed to responsibly and sustainably tackle the challenges posed by the eradication of Parthenium, contributing to environmental conservation and community involvement.

The Parthenium eradication program organized by the NSS unit of Indira Mahavidyalaya highlighted the importance of environmental conservation and community participation. Principal Dr. Pawan Mandavkar and NSS Officer Prof. Prashant Jawade appreciated the active participation and efforts of volunteers and organizers.

Attendance Sheet

उपास्थिती पत्रक

अ. क्र.	विद्यार्थ्याचे पूर्ण नाव	सही
1.	मिलींद क्षत्रिय भुजाडे	
2.	पंकज सुरेशराव धपके	
3.	गौरव माधवराव जाजपुरे	
4.	आशिष पांडुरंगजी वखरकार	
5.	शुभांगी मनोहरराव चांदुरकर	
6.	वैशाली दिगांबर कोल्हारे	
7.	रविना युवराज भोंडे	
8.	अश्विनी खुशालराव शेंदरे	
9.	प्रियंका बाबारावजी भोयर	
10.	पुनम रविंद्रराव घोटे	
(11)	अक्षय बाबाराव इंगोले	
(12)	अक्षय हरिभाऊ हसोडे	
(13)	रेशमा भिमराव वाघमारे	

P. B. Mandake.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Eradication of Ganjar Gavat (Parthenium hysterophorus L.)	NSS Unit	Environmental Awareness	02/04/2022	13

The NSS Unit undertook a significant initiative aimed at the eradication of Ganjar Gavat (Parthenium hysterophorus L.), commonly known as Parthenium weed, on April 2, 2022. With a dedicated team of 16 participants, the activity focused on raising awareness about the harmful effects of this invasive plant species on the environment, agriculture, and human health. Parthenium weed is notorious for its rapid spread and adverse impacts on biodiversity, crop yields, and public health. Recognizing the urgent need to address this ecological threat, the NSS Unit mobilized volunteers to participate in a comprehensive eradication campaign. The activity involved various strategies for removing Parthenium weed from affected areas, including manual removal, mechanical methods, and the application of environmentally friendly herbicides. Participants received training on safe and effective weed removal techniques, ensuring that efforts to eradicate Ganjar Gavat were carried out in a responsible and sustainable manner.

The Eradication of Ganjar Gavat activity conducted by the NSS Unit underscored the importance of environmental stewardship and community engagement in addressing ecological challenges. Through the collective efforts of 16 dedicated participants, significant progress was made towards reducing the spread of Parthenium weed and safeguarding the health and well-being of local ecosystems and communities.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Mandake
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

2019-20

Cleanliness Drive in Kalamb, Date: 24/12/2019

NSS Unit Organized a Cleanliness Drive in Kalamb

दैनिक
अमरावती दर्शन यवतमाळ स्पेशल

इंदिरा महाविद्यालय, कळंब

तालुका प्रतिनिधि/अमरावती दर्शन

कळंब:स्वच्छता आणि स्वच्छता वाढविण्याच्या स्तुत्य प्रयत्नात, इंदिरा महाविद्यालयाच्या एनएसएस युनिटने, प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. डी. एस. पाटील यांच्या नेतृत्वाखाली कळंबमध्ये "स्वच्छता मोहिमेचे आयोजन केले. "त्यांच्या सामाजिक जागरूकता योजनेचा एक भाग म्हणून. या उपक्रमाचा उद्देश कळंब परिसरातील स्वच्छता आणि सौंदर्यशास्त्र सुधारणे आणि सामुदायिक जबाबदारीची भावना वाढवणे आहे. या मोहिमेने समर्पित स्वयंसेवकांना आकर्षित केले जे सकाळी लवकर कळंब येथील एका नियुक्त सभेच्या ठिकाणी जमले. सहभागींना या मोहिमेच्या उद्दिष्टांची माहिती देण्यात आली आणि त्यांना हातमोजे, कचऱ्याच्या पिशव्या, झाडू आणि डस्टपॅनसह आवश्यक स्वच्छता पुरवठा प्रदान करण्यात आला. एनएसएस युनिटने परिसरातील विविध भागात स्वयंसेवकांच्या हालचाली सुलभ करण्यासाठी वाहतुकीची व्यवस्था देखील केली. दिवसभर, स्वयंसेवकांनी परिश्रमपूर्वक काम केले, रस्त्यांची, सार्वजनिक जागा आणि लक्ष देण्याची गरज असलेल्या इतर भागात स्वच्छता केली. त्यांचे प्रयत्न स्थानिक रहिवाशांकडून कौतुकाने भेटले, जे त्यांच्या समुदायात सुधारणा करण्यासाठी स्वयंसेवकांच्या समर्पणाने प्रेरित झाले होते. या कार्यक्रमाची सांगता उपस्थितांमध्ये कर्तृत्व आणि एकतेच्या भावनेने झाली. स्थानिक नेते आणि एनएसएस प्रतिनिधींनी स्वयंसेवकांना संबोधित केले, त्यांच्या मेहनतीबद्दल कृतज्ञता व्यक्त केली आणि स्वच्छता राखण्याच्या महत्त्वावर जोर दिला. त्यांनी या प्रयत्नांची शाश्वतता सुनिश्चित करण्यासाठी चालू असलेल्या समुदायाच्या सहभागाला प्रोत्साहन दिले.

English version of News

Indira Mahavidyalaya, Kalamb

Taluka Representative/Amravati Darshan

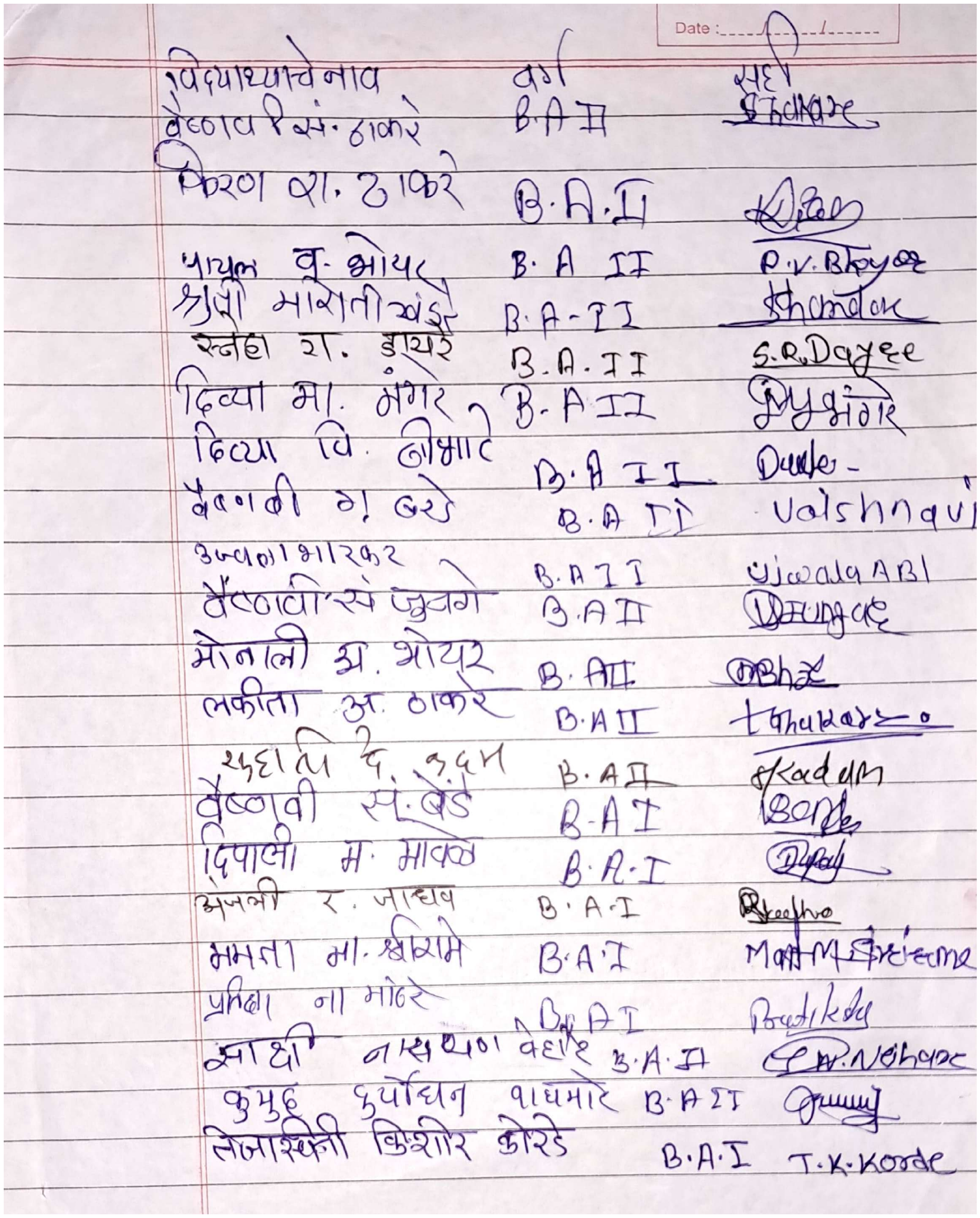
Kalamb: In an admirable effort to promote cleanliness and enhance environmental hygiene, Indira Mahavidyalaya's NSS unit, under the leadership of Principal Dr. Pawan Mandavkar and NSS Officer Prof. D.S. Patil, organized the "Cleanliness Campaign" in Kalamb. This initiative, a part of their social awareness program, aims to improve cleanliness and aesthetic maintenance in Kalamb surroundings, and to foster a sense of community responsibility. The program attracted enthusiastic participation from volunteers who gathered at a designated location in Kalamb early in the morning.

Participants were briefed on the objectives of the cleanliness campaign and were provided with necessary tools such as gloves, garbage bags, brooms, and dustpans to facilitate effective cleanliness maintenance. The NSS unit also arranged logistics to ensure the smooth execution of cleaning activities across various parts of the locality. Throughout the day, volunteers diligently worked on cleaning streets, public spaces, and paying attention to other specific areas needing cleanliness.

Their efforts were met with appreciation from local residents, who acknowledged the dedication of the volunteers in improving their community. The program highlighted the commitment of Indira Mahavidyalaya towards social awareness and community welfare, inspiring local residents to actively contribute towards maintaining cleanliness and a conducive environment.

Local leaders and NSS representatives addressed the volunteers, expressing gratitude for their hard work and emphasizing the importance of cleanliness. They encouraged continued community participation to ensure the sustainability of such efforts.

Attendance Sheet



Date: __/__/____

विद्यार्थ्याचे नाव	वर्ग	सही
वैष्णवी सं. ठाकरे	B.A II	S.Thakare
किरण रा. ठाकरे	B.A.II	[illegible]
पायल वु. भोयर	B.A II	P.V.Bhoyar
श्रुती मारोती खंडारे	B.A-II	Khandare
स्नेहा रा. डायरे	B.A.II	S.R.Dayre
दिव्या मा. मंगरे	B.A II	Divya मंगरे
दिव्या वि. ढोमाटे	B.A II	Dude-
वैष्णवी ग. बडे	B.A II	Vaishnavi
उज्वला भास्कर	B.A II	Ujwala A B I
वैष्णवी सं जुनगे	B.A II	Junage
मोनाली अ. भोयर	B.A II	Bhoyar
लकीता अ. ठाकरे	B.A II	Thakare
श्रुती दि. कदम	B.A II	Kadam
वैष्णवी सं. बेंडे	B.A I	Bende
दिपाली म. मावळे	B.A.I	Dipali
अश्विनी र. जाधव	B.A.I	[illegible]
ममता मा. श्रिरामे	B.A.I	Mamta M Shrirame
प्रतिक्षा ना. मोहरे	B.A I	Pratiksha
साक्षी नारायण नेहारे	B.A.II	S.N.Nehare
कुमुद दुर्योधन वाघमारे	B.A II	[illegible]
तेजस्विनी किशोर कोरडे	B.A.I	T.K.Korde

P. B. Madavi

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Cleanliness Drive in Kalamb	NSS Unit	Social Awareness	24/12/2019	21

On December 24th, 2019, the NSS Unit undertook a significant initiative titled "Cleanliness Drive in Kalamb" as part of the Social Awareness scheme. The primary goal of this endeavor was to promote hygiene and sanitation in the Kalamb locality. With the participation of 21 volunteers, the NSS Unit aimed to make a tangible difference in the cleanliness and aesthetics of the area while fostering a sense of community responsibility.

The cleanliness drive began early in the morning with a gathering of volunteers at a designated meeting point in Kalamb. Participants were briefed on the objectives of the drive and provided with necessary cleaning supplies such as gloves, trash bags, brooms, and dustpans. The NSS Unit also arranged for transportation to facilitate the movement of volunteers across different areas of the locality. The event exemplified the NSS Unit's commitment to social awareness and community development, setting a precedent for future initiatives aimed at enhancing the well-being of local communities.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya
Code No. 414
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

2019-20

Cleanliness Programme in Bori Mahal Village, Date: 12/01/2020

INDIRA MAHAVIDYALAYA, KALAMB DIST. YAVATMAL

Cleanliness Programme in Bori Mahal Village

Date: 12/01/2020 & Time: 10.00 AM

ORGANIZED BY

N.S.S. UNIT

INDIRA MAHAVIDYALAYA, KALAMB

DIST. YAVATMAL

Cleanliness Drive in Bori Mahal

Cleanliness Drive in Bori Mahal NSS Unit Organized a Cleanliness Drive in Bori Mahal

लोकसूत्र

इंदिरा महाविद्यालय, कळंब

लोकसूत्र प्रतिनिधी

कळंब: स्वच्छता आणि पर्यावरण संवर्धनाला चालना देण्याच्या उल्लेखनीय प्रयत्नात, इंदिरा महाविद्यालयाच्या एनएसएस युनिटने प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. डी.एस. पाटील यांच्या नेतृत्वाखाली "स्वच्छता" चे आयोजन केले. बोरी महाल गावात कार्यक्रम" त्यांच्या सामाजिक जागृती योजनेचा एक भाग म्हणून. या उपक्रमाचा उद्देश स्वच्छता आणि पर्यावरणीय कारभारीपणा राखण्यासाठी समुदायाचा सहभाग वाढवणे हा आहे. या कार्यक्रमाने समर्पित सहभागींना आकर्षित केले जे बोरी महाल गावाच्या सुशोभिकरण आणि स्वच्छतेसाठी योगदान देण्यास उत्सुक होते. कार्यक्रमाची सुरुवात सकाळी गावातील कम्युनिटी सेंटरमध्ये स्वयंसेवकांच्या मेळाव्याने झाली.

सहभागींना स्वच्छता मोहिमेच्या उद्दिष्टांची माहिती देण्यात आली आणि त्यांना गटांमध्ये विभागले गेले, प्रत्येकाने गावातील विशिष्ट क्षेत्र स्वच्छ करण्यासाठी नियुक्त केले. साफसफाईच्या माहित्याने सज्ज, स्वयंसेवकांनी दिवसभर परिश्रमपूर्वक काम केले, कचरा उचलणे, रस्ते झाडणे आणि सार्वजनिक जागा स्वच्छ करणे. त्यांच्या प्रयत्नांचे स्थानिक रहिवाशांकडून कौतुक झाले, जे स्वयंसेवकांच्या वचनबद्धतेने आणि उत्साहाने प्रेरित झाले. हा कार्यक्रम इंदिरा महाविद्यालयाच्या सामाजिक जागरूकता आणि सामुदायिक कल्याणाला चालना देण्याच्या वचनबद्धतेचे उदाहरण देतो, स्वच्छ आणि आरोग्यदायी वातावरणाला प्रोत्साहन देण्यासाठी संस्थेची भूमिका प्रदर्शित करते.

English version of News

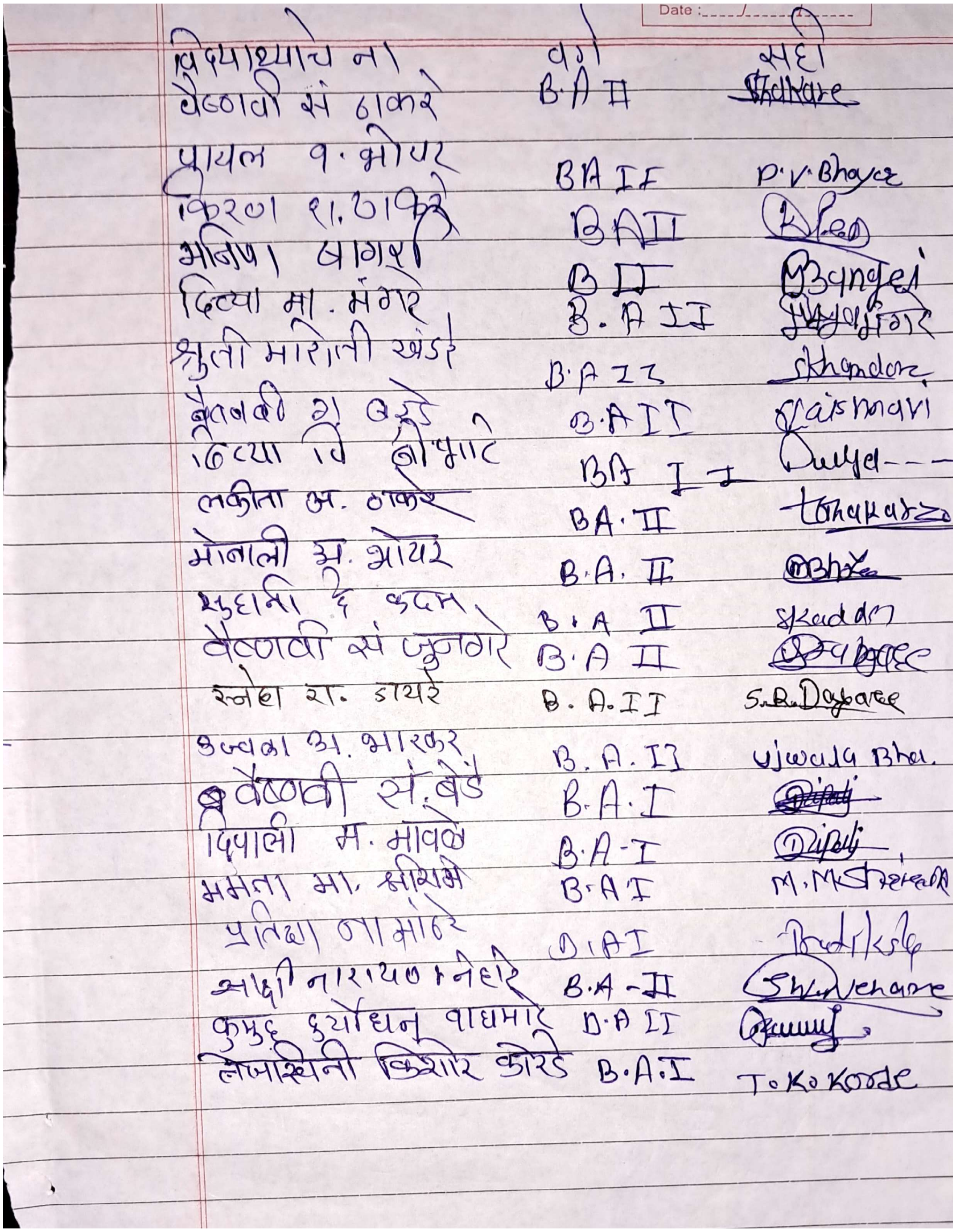
Indira Mahavidyalaya, Kalamb

Kalamb: In an exemplary effort towards promoting cleanliness and environmental conservation, Indira Mahavidyalaya's NSS unit, under the leadership of Principal Dr. Pawan Mandavkar and NSS Officer Prof. D.S. Patil, organized the "Cleanliness" initiative in Bori Mahal village as part of their social awareness program. This sub-program aimed to instill a sense of responsibility towards cleanliness and environmental stewardship among the local community. The program commenced early in the morning at the community center, attracting enthusiastic participation from stakeholders eager to contribute towards cleanliness and environmental well-being.

Participants were briefed on the objectives of the cleanliness campaign and were divided into groups assigned specific areas within the village to clean. Armed with cleaning materials and guided by literature on hygiene practices, volunteers diligently worked throughout the day, engaging in activities such as garbage collection, clearing pathways, and cleaning public spaces. Their efforts were met with appreciation from local residents, who were inspired by the dedication and commitment of the volunteers.

This program stands as a testament to Indira Mahavidyalaya's commitment to social awareness and community welfare, setting an example in promoting a clean and conducive environment for all.

Attendance Sheet



विद्यार्थ्याचे नाव	वर्ग	सही
वैष्णवी सं ठाकरे	B.A II	Thakare
पायल व. भोयर	BA IF	P.V. Bhoyar
किरण रा. ठाकरे	BA II	[illegible]
मनिषा बागरे	B II	M Bangre
दिव्या मा. मंगरे	B.A II	[illegible]
श्रुती मारोती खंडारे	B.A II	Skhandare
वैष्णवी ग. वरुडे	B.A II	Vaishnavi
दिव्या वि बोभाटे	BA II	Divya---
लकीता अ. ठाकरे	BA II	L Thakare
मोनाली अ. भोयर	B.A. II	MBhoyar
सुहानी दे कदम	B.A II	S Kadam
वैष्णवी सं जुनगरे	B.A II	[illegible]
स्नेहा रा. डायरे	B.A.II	S.R.Dayare
उज्वला अ. भास्कर	B.A. II	Ujwala Bhas.
वैष्णवी सं. बेंडे	B.A.I	[illegible]
दिपाली म. मावळे	B.A-I	Dipali
ममता मा. श्रीरामे	B.A.I	M.M.Shriram
प्रतिक्षा गा. मांडरे	B.A.I	[illegible]
आरती नारायण नेहारे	B.A-II	Shw.Nehare
कुमुद दुर्योधन वाघमारे	B.A II	[illegible]
तेजस्विनी किशोर कोरडे	B.A.I	T.K.Korde

P.B. Madavi.

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Cleanliness Programme in Bori Mahal Village	NSS Unit	Social Awareness	12/01/2020	21
On January 12th, 2020, the NSS Unit organized a commendable event titled "Cleanliness Programme in Bori Mahal Village" under the Social Awareness scheme. This initiative aimed to promote hygiene, environmental conservation, and community participation in maintaining cleanliness. The program attracted 21 dedicated participants who were eager to contribute to the beautification and sanitation of Bori Mahal Village. The event began early in the morning with a gathering of volunteers at the village community center. Participants were briefed on the objectives of the cleanliness drive and divided into groups, each assigned specific areas within the village to clean. The program concluded with a community gathering where local leaders and NSS representatives addressed the villagers. They expressed gratitude for the volunteers' hard work and emphasized the ongoing need for community involvement in maintaining cleanliness.				

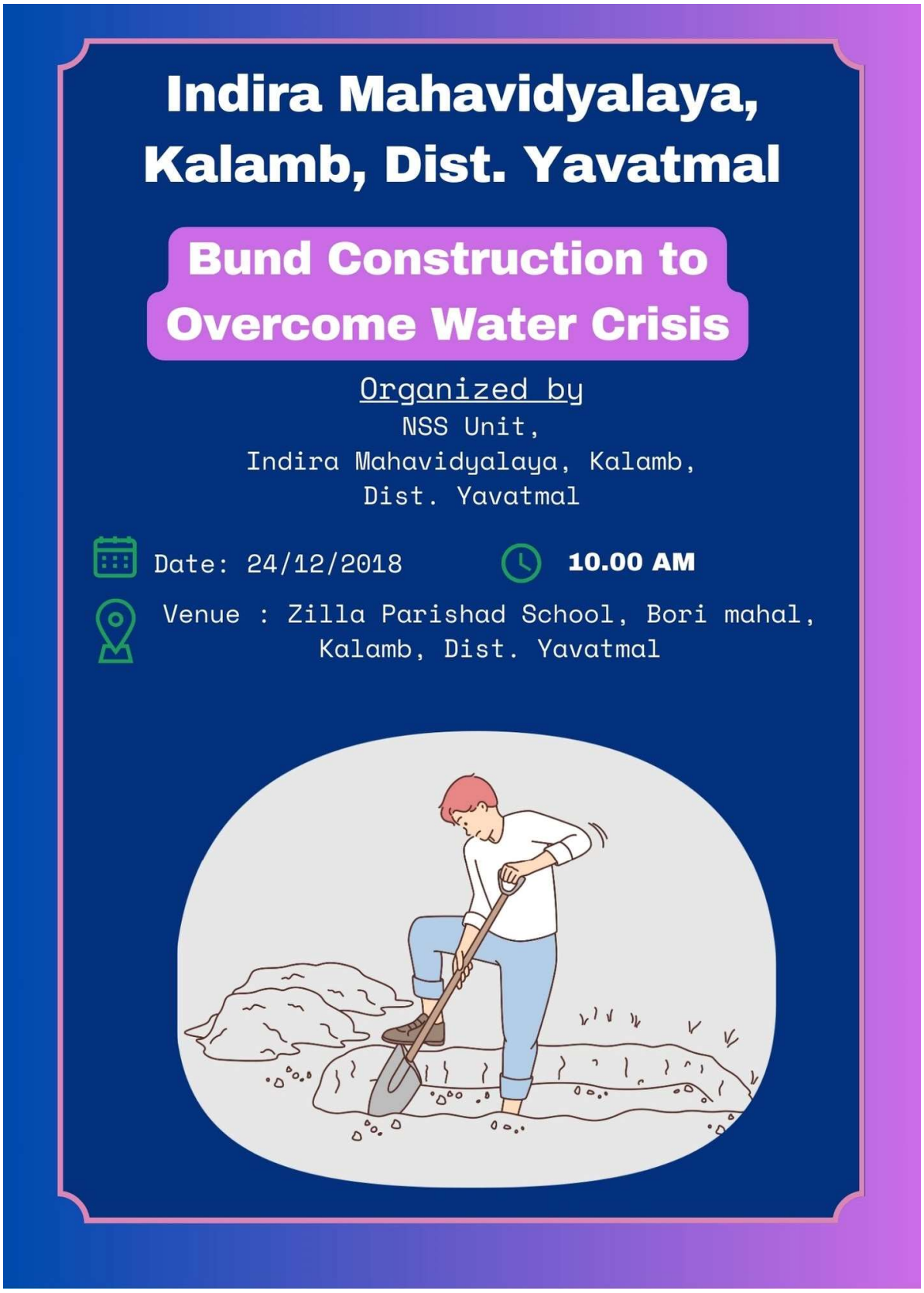
Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Mandake
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

2018-19

Bund Construction to Overcome Water Crisis, Date: 24/12/2018



Snapshots During the Construction of Bund

दैनिक
अमरावती दर्शन यवतमाळ स्पेशल

इंदिरा महाविद्यालय, कळंब

तालुका प्रतिनिधी/अमरावती दर्शन

कळंब: एनएसएस युनिटने सामाजिक जागरूकता कार्यक्रमा अंतर्गत पाणी संकटावर मात करण्यासाठी बंधारा बांधणे या महत्त्वपूर्ण उपक्रमाचे नेतृत्व केले. या प्रयत्नांचे प्राथमिक उद्दिष्ट म्हणजे बंधारे बांधून पाणीटंचाईच्या गंभीर समस्येला तोंड देणे, जे बंधारे किंवा अडथळे आहेत जे पाण्याचा प्रवाह रोखण्यासाठी किंवा बळवण्यासाठी बांधलेले आहेत, ज्यामुळे जलस्रोतांचे संरक्षण होते. या कार्यक्रमात उत्साही व्यक्तींचा सक्रिय सहभाग दिसला जो त्यांच्या समुदायातील शाश्वत जल व्यवस्थापन प्रयत्नांमध्ये योगदान देण्यासाठी समर्पित आहे. बंधारा बांधण्याचा उपक्रम स्थानिक अधिकारी, पर्यावरण संस्था आणि समुदाय सदस्य यांच्या सहकार्याने पार पडला. बंधारा बांधण्यासाठी योग्य ठिकाणे ओळखण्यासाठी, पर्यावरणावरील प्रभावाचे मूल्यांकन करण्यासाठी आणि आवश्यक संसाधने आणि मनुष्यबळ एकत्रित करण्यासाठी कार्यक्रमापूर्वी विस्तृत नियोजन आणि समन्वय साधला गेला. नियुक्त केलेल्या दिवशी, सहभागी फावडे, कुदळ आणि बांधकामासाठी आवश्यक असलेल्या इतर साधनांनी सुसज्ज निवडलेल्या साइटवर एकत्र आले. त्यांना बंधारे बांधण्यासाठी, संरचनात्मक अखंडता आणि जलसंधारणाची परिणामकारकता सुनिश्चित करण्यासाठी योग्य तंत्रांबद्दल अनुभवी कर्मचाऱ्यांकडून सूचना आणि मार्गदर्शन मिळाले. प्राचार्य डॉ. पवन मांडवकर आणि एनएसएस अधिकारी प्रा. डी.एस. पाटील यांनी कार्यक्रमाचे निरीक्षण केले, त्याची सुरळीत अंमलबजावणी सुनिश्चित केली आणि समाजातील जलसंकट दूर करण्यासाठी महत्त्वपूर्ण योगदान दिले.

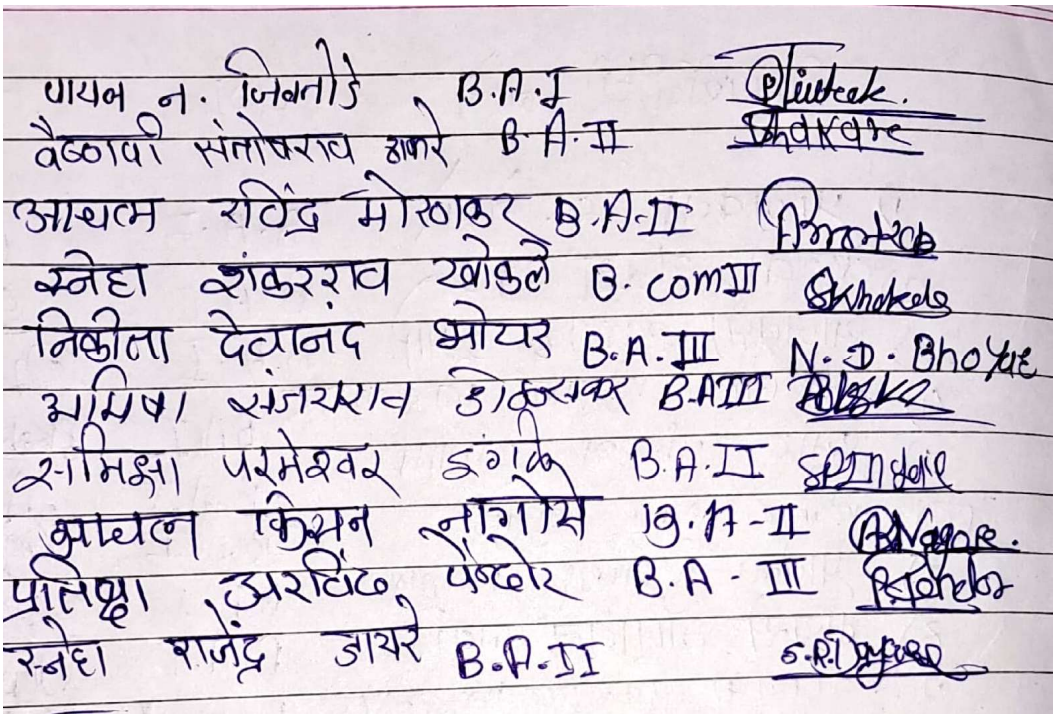
English version of News

Dam Construction Initiative

Taluka Representative/Amaravati Darshan

Kalamb, April 15, 2019: Indira Mahavidyalaya, Kalamb, led an important initiative to construct dams in collaboration with the NSS unit to address water scarcity issues. The primary objective of this effort was to mitigate the serious issue of water shortage by constructing dams or reservoirs designed to control or store water flow, thereby conserving water resources. Enthusiastic participants in this program demonstrated their dedication to contributing to sustainable water management efforts within their community. The dam construction initiative saw active involvement from local officials, environmental organizations, and community members, ensuring proper site identification, environmental impact assessment, and coordinated planning and execution with necessary resources and manpower gathered on appointed days. Under the supervision of Principal Dr. Pawan Mandavkar and NSS Officer Prof. D.S. Patil, the program's inspection ensured structural integrity and effective water conservation, making a significant contribution towards alleviating local water crises.

Attendance Sheet



P. B. Mandavkar.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Report

Name of the Activity	Organising unit/ agency/collaborating agency	Name of the Scheme	Date	No. of Participants
Bund Contruction to Overcome Water Crisis	NSS Unit	Social Awareness	24/12/2018	10

On December 24th, 2018, the NSS Unit spearheaded a vital initiative titled "Bund Construction to Overcome Water Crisis" under the Social Awareness scheme. The primary objective of this endeavor was to address the pressing issue of water scarcity by constructing bunds, which are embankments or barriers built to impound or divert water flow, thereby conserving water resources. The event garnered participation from 10 enthusiastic individuals who were committed to contributing to sustainable water management efforts within their community.

The bund construction activity took place in collaboration with local authorities, environmental organizations, and community members. Prior to the event, extensive planning and coordination were undertaken to identify suitable locations for bund construction, assess environmental impact, and mobilize necessary resources and manpower.

On the designated day, participants gathered at the selected sites equipped with shovels, spades, and other tools required for construction. Volunteers received instructions and guidance from experienced personnel on the proper techniques for building bunds, ensuring structural integrity and effectiveness in water conservation.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Report of Construction of Bunds & Dams (2018-19)

In 2018-19, Indira Mahavidyalaya, Kalamb, spearheaded the construction of bunds and dams in the surrounding areas. These structures were strategically built to manage water resources effectively, particularly during periods of heavy rainfall and floods. Through collaborative efforts with local authorities and community members, the construction process was meticulously planned and executed. The bunds and dams served as crucial infrastructure for water conservation, irrigation, and flood control, benefiting both agricultural productivity and local livelihoods. This initiative showcased the institution's commitment to sustainable development and resilience against environmental challenges.

Event: Construction of Bunds and Dams
Date: April 9, 2019
Location: Borimahal Nalah, Kalamb
Participants: 40 students

लोकमत

इंदिरा महाविद्यालयातर्फे बंधारे बांधणी मोहीम

लोकमत न्यूज नेटवर्क

कळंब,15 एप्रिल 2019: इंदिरा महाविद्यालय, कळंब यांनी जलसंपत्तीचे प्रभावी व्यवस्थापन करण्यासाठी बोरिमहाल नाल्यात बंधारे आणि धरणे बांधण्याचे नेतृत्व केले. या उपक्रमाचा उद्देश पावसाळ्यातील पाण्याचा निचरा नियंत्रित करणे आणि पुराच्या परिस्थितीत नियंत्रण ठेवणे होता. प्रा. डॉ. व्ही.पी. मांडवकर आणि प्रा. डॉ. के.आर. नेमाडे यांच्या मार्गदर्शनाखाली 40 विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला. स्थानिक अधिकारी आणि समुदाय सदस्यांच्या सहकार्याने, जलसंधारणासाठी महत्त्वपूर्ण भूमिका निभावणाऱ्या या पायाभूत सुविधांची अंमलबजावणी करण्यात आली. या बंधारे आणि धरणांनी पाण्याची साठवणूक, सिंचनासाठी वापर, आणि भूजल पुनर्भरणाची सोय उपलब्ध करून दिली आहे, ज्यामुळे कृषी उत्पादन वाढले आणि स्थानिक उपजीविकेत सुधारणा झाली आहे. संस्थेने दाखवलेल्या या प्रतिबद्धतेमुळे पर्यावरणीय आव्हानांना तोंड देण्यासाठी आणि शाश्वत विकासाला प्रोत्साहन देण्यासाठी एक आदर्श निर्माण झाला आहे.

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English version of News

Indira Mahavidyalaya's Dam Construction Initiative

Lokmat News Network

Kalamb, April 15, 2019: Indira Mahavidyalaya, Kalamb, took the lead in constructing dams and reservoirs in the Borimahal stream to effectively manage water resources. The aim of this initiative was to control water flow during the monsoon and maintain stability in existing conditions. Under the guidance of Prof. Dr. V. P. Mandavkar and Prof. Dr. K. R. Nemade, 40 students actively participated in this project. Local authorities and community members played a crucial role in implementing these essential facilities for water conservation. These dams and reservoirs have facilitated water storage, irrigation, and groundwater recharge, leading to improved agricultural productivity and local livelihood enhancement. This commitment by the institution has set a benchmark in addressing environmental challenges and promoting sustainable development.

Attendance

Indira Mahavidyalaya, Kalamb Dist-Yavatmal

S.No	Students Name	Class	Signature
1	कु. [illegible] [illegible]		
2	Prachi santosh Diguz	B.A I st yr	S.S. Sayhno
3	Nagmala Vinod Raut	B.Sc II	[illegible]
4	Vaishnavi Khushal Sobhate	B.Sc IInd	Raut
5	Sejal Amit Jaiswal	B.Sc II	[illegible]
6	Ashwini Chintaman Dhuman	B.Sc IIIrd	[illegible]
7	Achal Santo Sahasrabuddhe	B.Sc IInd	[illegible]
8	Pramata Ashok chaudhari	B.S.c IInd	[illegible]
9	Priyanti Manohar Chachane	B.S.c I	chaudhari
10	Sanjana Santosh Bhagat	B.S.c I	[illegible]
11	Aksha R. Nikhade	B.S.c I	S.S. Bhagat
12	Harshalata Vinod Benelwale	BA I St	R.A Nikhade
13	Gayatri Sanjay Dethakar	Bsc III	[illegible]
14	Priyanka Gajanan nandha	BSc III	[illegible]
15	Sonali W. Bhoyar	BSc III	[illegible]
16	Sayli M. Wasu	B.A I	[illegible]
17	sneha shamrao Meshram	BA I	[illegible]
18	Sonali D. Khalale	M.Com I	S.S. Meshram
19	payal santosh Asutkar	B.Com II	S.[illegible]
20	Ruchita Santosh Dukare	B.Com II	[illegible]
21	Ashwini santosh Bagwar	B.Com II	[illegible]
22	Gayatri Diliprao Gaikwaik	B.Com II	[illegible]
23	sweeti G. Chaudhari	B.Com II	[illegible]
24	Achal S. Mulule	B.Com II	[illegible]
25	Anuraj K. Chinchalkar	B.Com II	[illegible]
27	Sumit P. Dagwar	B.Com II	[illegible]
28	Arjun D. Khirekar	B.Sc I	[illegible]
29	Suhani S. Motesalke	B.A I	[illegible]
30	Sahani A. thakare	B.A I	[illegible]
31	Mayur G. Ekar	M.Sc	[illegible]
32	Kumud P. Atram	B.A I	[illegible]
33	Vaishnavi V. Gohane	B.A I	[illegible]
34	Sneha shamrao Meshram	M.Com II	S.S. Meshr
35	Gauri Vinodrao Bangade	11th Com	[illegible]
36	Dhanshri Bhumeshwar Khandale	11th Com	[illegible]
37	Tanaya Prabhakar Pise	B.A I	Pise
38	Pratiksha Sanjayrao Thakare	B.A I	Thakare
39	[illegible] Rajesh Mundhare	B.A I	[illegible]
40	Tanuja M. Jumnake	B.Com	[illegible]

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Madake
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist. Yavatmal

Mega Tree Plantation in Collaboration with Forest Department and Villagers of Adopted Village. (2018-19)

In 2018-19, Indira Mahavidyalaya, Kalamb, collaborated with the Forest Department and villagers of the adopted village to organize a mega tree plantation drive. Hundreds of saplings were planted across designated areas, aiming to enhance green cover and restore degraded landscapes. Students, faculty members, forest officials, and villagers worked hand in hand to ensure the success of the initiative. By fostering community participation and environmental stewardship, the tree plantation drive aimed to mitigate deforestation, combat climate change, and promote biodiversity conservation. This collaborative effort exemplified the institution's dedication to environmental sustainability and community engagement.

- **Event:** Tree Plantation Drive
- **Date:** July 5, 2018
- **Location:** Drug Forest
- **Participants:** 40 students

divyamarathi.com

इंदिरा महाविद्यालयाची भव्य वृक्षारोपण

प्रतिनिधि/कळंब

कळंब, 9 जुलै 2018 — इंदिरा महाविद्यालय, कळंब यांनी वन विभाग आणि दत्तक घेतलेल्या गावातील ग्रामस्थांच्या सहकार्याने ड्रग फॉरेस्टमध्ये भव्य वृक्षारोपण मोहीम आयोजित केली. प्रा. डॉ. एम.पी. राखुंडे आणि प्रा. एस.आर. खांडेकर यांच्या मार्गदर्शनाखाली 45 विद्यार्थ्यांनी सहभाग घेतला. या मोहिमेद्वारे शेकडो झाडांची लागवड करण्यात आली, ज्यामुळे पर्यावरणाचे संरक्षण, जैवविविधता संवर्धन, आणि वातावरणीय स्थिरता वाढवण्यात आली. विद्यार्थ्यांनी, शिक्षकांनी, वन अधिकाऱ्यांनी, आणि ग्रामस्थांनी एकत्र येऊन ही मोहीम यशस्वी केली. या उपक्रमाने जंगलतोड कमी करण्यासाठी, हवामान बदलाशी लढा देण्यासाठी, आणि हरित आच्छादन वाढवण्यासाठी सामुदायिक सहभागातून पर्यावरणीय संवर्धनाची उदाहरणे निर्माण केली आहेत. यामुळे पर्यावरणीय शाश्वततेसाठी संस्थेची वचनबद्धता अधोरेखित झाली आहे.

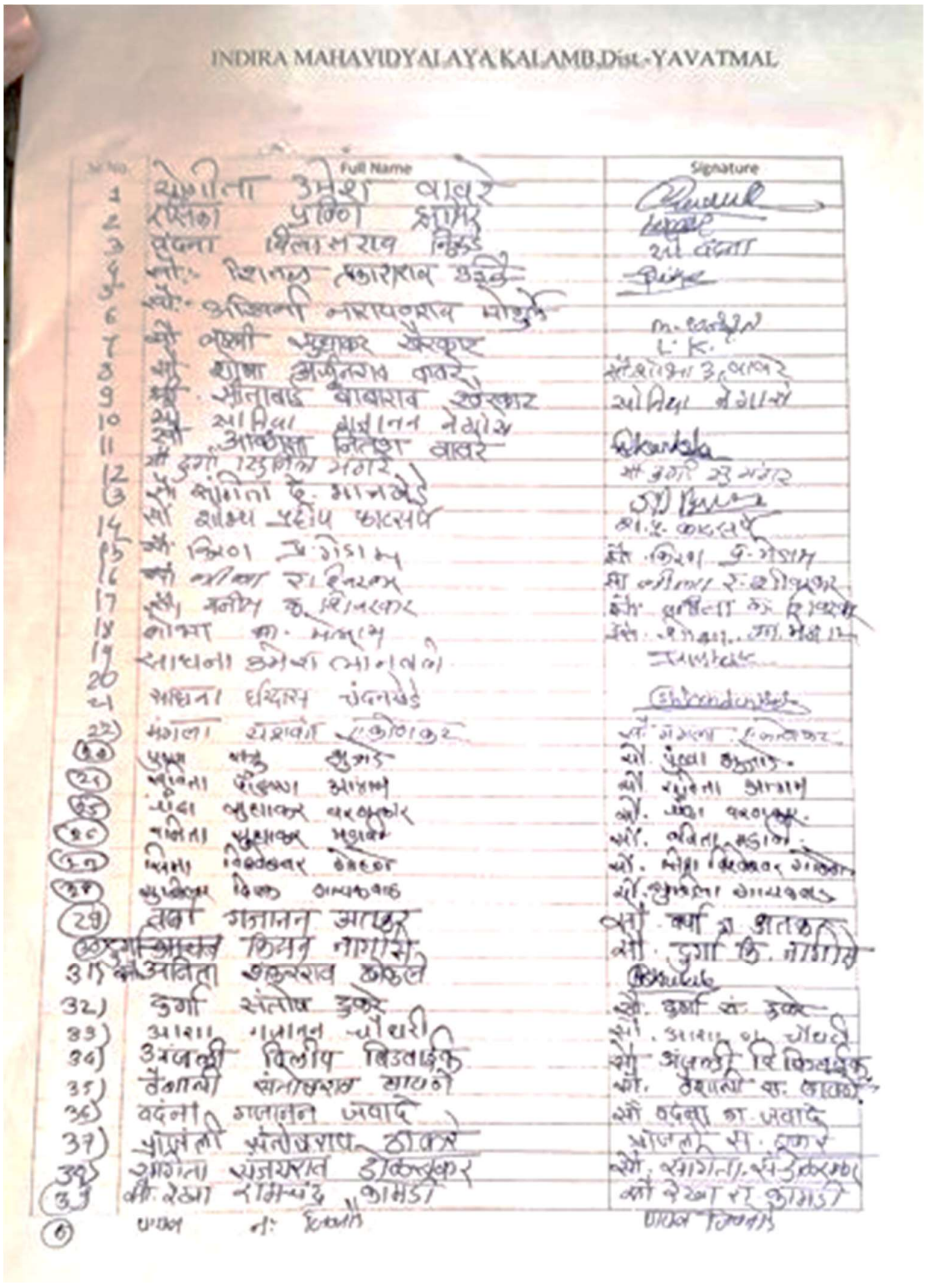
English version of News

Grand Tree Plantation

Representative/Kalamb

Kalamb, July 9, 2018 - Indira Mahavidyalaya, Kalamb, organized a grand tree plantation drive in the Drug Forest with the collaboration of villagers and the Forest Department. Under the guidance of Prof. Dr. M. P. Rakhunde and Prof. S. R. Khandekar, 45 students participated in this initiative. Hundreds of trees were planted through this initiative, contributing to environmental conservation, biodiversity enhancement, and ecological stability. The program was a success with the participation of students, teachers, forest officials, and villagers coming together. This initiative serves as an example of community involvement in environmental conservation, aimed at reducing deforestation, combating climate change, and promoting green cover. It has reaffirmed the institution's commitment to environmental sustainability.

Attendace



Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya
Code No.
414
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Construction of Makeshift Dams (2018-19)

In 2020-21, Indira Mahavidyalaya, Kalamb, undertook the construction of makeshift dams in the surrounding areas. These dams were strategically built to mitigate the effects of water scarcity and regulate water flow during periods of heavy rainfall. Students and volunteers collaborated with local authorities to identify suitable locations and implement the construction process. The makeshift dams played a crucial role in water conservation efforts, providing reservoirs for irrigation, groundwater recharge, and flood control. This initiative demonstrated the institution's commitment to addressing environmental challenges and promoting sustainable water management practices in the region.

- Event: Construction of Makeshift Dams
- Date: July 9, 2018
- Location: Shingnapur
- Participants: 37 students

लोकमत

इंदिरा महाविद्यालयाचा तात्पुरती धरण बांधणी

लोकमत न्यूज नेटवर्क

कळंब, 14 जुलै 2018: जलसंकट सोडवण्यासाठी आणि शाश्वत जल व्यवस्थापनाला प्रोत्साहन देण्यासाठी इंदिरा महाविद्यालय, कळंब यांनी शिंगणापूरमध्ये तात्पुरती धरणे बांधली. प्रा. डॉ. के.आर. नेमाडे आणि प्रा. एन.व्ही. नरुले यांच्या मार्गदर्शनाखाली 32 विद्यार्थ्यांनी या उपक्रमात भाग घेतला. पावसाळ्यात पाण्याचा निचरा होऊ नये म्हणून योग्य ठिकाणांची ओळख पटवून धरणे बांधण्यात आली. ही धरणे सिंचन, भूजल पुनर्भरण, आणि पूर नियंत्रणासाठी महत्त्वपूर्ण ठरली आहेत. या प्रकल्पाने स्थानिक जलसंपत्तीची साठवणूक आणि पर्यावरणीय आव्हानांशी सामना करण्याच्या दिशेने एक महत्वपूर्ण पाऊल उचलले आहे. या उपक्रमामुळे संस्थेची शाश्वत पद्धती आणि जलसंवर्धनातील योगदान अधोरेखित झाले आहे, ज्यामुळे स्थानिक शेतकरी आणि रहिवाशांना मोठा लाभ झाला आहे.

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English version of News

Immediate Check Dam Construction

Lokmat News Network

Kalamb, July 14, 2018: To alleviate water scarcity and promote sustainable water management, Indira Mahavidyalaya, Kalamb, constructed an immediate check dam in Shinganapur. Under the guidance of Prof. Dr. K. R. Nemade and Prof. N. V. Narule, 32 students participated in this initiative. The check dam was constructed to identify suitable locations, ensuring water retention during the monsoon and supporting irrigation, groundwater recharge, and flood control efforts. This project has played a significant role in conserving local water resources and addressing environmental challenges, contributing significantly to sustainable practices and water conservation benefits for local farmers and residents.

Attendance

Sr.	Name of Students	Class	Signeture
1	Aditya Jivanrao Bhoyar	B.Com I	[illegible]
2	Pinu Chimaji Gawale	B.Com I	[illegible]
3	Darshan Jagdish Zade	B.Com I	[illegible]
4	Aditya Rajendra Galat	B.com I	[illegible]
5	Sajid Salim Khan	B.com I	[illegible]
6	Aditya Gajanan Raut	B.com I	Raut
7	mahesh S. mandale	B.com I	m.s.mandale
8	Sahil D. Thorat	B.com	Sahil
9	Galat Sanjivani B.	[illegible]	SB
10	Jaiswal [illegible] Vijay	B.Com II	[illegible]
11	Kajal Vinod Bhasme	B.com I	Kajal
12	Sahil Dharmendra Thorat	B.com I	Thorat
13	Sneha Shankar Khokale	B.com.I	[illegible]
14	kalyani purushottam bhoyar	B.com	[illegible]
15	Nisha madan Lonkale	B.com I	[illegible]
16	Priya Chandrashekar Zinge	B.Com I	Priya
17	Tayashree P. Zone	B.com I	[illegible]
18	Rushikesh Pravin Mahore	B.Com I	[illegible]
19	Dhiraj Roshan Rajabhau	B.Com III	B.Raj
20	Pranjali Ramesh Shirsatkar	B.Com I	[illegible]
21	Chanchal R. Deotale		C.R.Deotale
22	Dabade Nikita Sunil	B.Com II	Nikita
23	Dhatkar Anjali Sanjay	B.Com II	Anjali D.
24	Bawane Abhishek Sanjay	B.com II	[illegible]
25	Dhale Namrata Dinesh	B.Com I	[illegible]
26	Chaudhari Vaishnavi Subhashrao	B.Com II	V.C.S
27	komal K. mahapure	B.com II	[illegible]
28	Kajal Vinod Bhasme	B.com I	
29	Ekunkar Bharti Sopan	B.com II	B Ekunkar
30	Fumali Saurabh Vinod	B.com II	S.Fumali
31	Dhakate Bhagyashri Sanjay	B.Com II	[illegible]
32	Vaishnavi Baburao Parise	B.Com II	V.B.Parise
33	Naranwre Payal Gajanan	B.Com I	[illegible]
34	Darshan R. Devtale	B.Com II	[illegible]
35	Nikale Ashan Kashinath	B.Com III	[illegible]
36	Ninave Lalit Sureshrao	B.Com II	Lalit
37	Parag Rushikesh Srikrushana	B.Com III	P Srikrushana

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya
Code No. 414
Kalamb

P.B.Mandatke.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Policy document on environment and energy usage Certificate from Auditing Agency

Dr. Yashwant Moreshwar Donde Sarwajanik Shaikshanik Trust's
INDIRA MAHAVIDYALAYA KALAMB
DIST. YAVATMAL, MAHARASHTRA 445401
Tele. (07201) 226147/226129 NAAC Accredited B+ Grade
Mob. No. Principal- 9422867658, Vice-Principal -9420199479
E mail - imvkalamb@yahoo.co.in Website – www.indiramahavidyalaya.com

Policy on Environment

1. Introduction

Indira Mahavidyalaya, Kalamb, acknowledges the vital role of environmental sustainability and energy efficiency in contributing to a healthier and more sustainable future. As an institution committed to excellence in education and stewardship of resources, Intitution continuously strive to minimize environmental impact and optimize energy usage. To ensure ongoing commitment to these principles, regular quality audits on environment and energy are conducted.

2. Purpose

The purpose of this policy is to formalize current practices and procedures regarding the regular quality audits on environment and energy at Indira Mahavidyalaya, Kalamb. These audits serve to assess existing initiatives, identify areas for further improvement, and monitor progress toward achieving environmental sustainability and energy efficiency objectives.

3. Scope

This policy encompasses all aspects of the institution's operations that have an impact on the environment and energy consumption. It includes, but is not limited to:

- Campus facilities and infrastructure - Resource utilization - Waste management practices

- Energy consumption patterns - Transportation arrangements

4. Current Initiatives

4.1. Contract with External Agency: Indira Mahavidyalaya, Kalamb, engages the services of an external agency with expertise in environmental management to conduct comprehensive audits on environment and energy.

4.2. Water Harvesting: The institution has implemented effective water harvesting systems to conserve water resources and promote sustainable water management practices.

4.3. Waste Management: Indira Mahavidyalaya, Kalamb, has established robust waste management systems to segregate, recycle, and responsibly dispose of waste generated on campus.

4.4. Chemical Waste Pit: The Chemistry Department oversees the management of chemical waste through designated pits, ensuring safe handling and disposal in compliance with regulatory requirements.

4.5. Transportation Policies: The institution encourages sustainable transportation practices, including carpooling through initiatives like "Share Care," and locates parking facilities at a distance from the college building to minimize vehicular traffic and emissions.

5. Audit Process

5.1. Frequency: Quality audits on environment and energy will be conducted after expiry of previous one to ensure regular monitoring and evaluation of environmental and energy performance.

5.2. Criteria: Audits will be conducted based on established criteria, including compliance with environmental regulations, effectiveness of current initiatives, and identification of opportunities for improvement.

6. Monitoring and Review

6.2. Continuous Improvement: The institution is committed to a culture of continuous improvement, and regular reviews of audit findings and performance metrics will be conducted to identify further opportunities for enhancement.

6.3. Policy Review: This policy will be reviewed periodically to ensure its effectiveness and relevance in addressing evolving environmental and energy-related challenges.

7. Compliance

All staff members and students are made to adhere to this policy and actively support efforts to promote environmental sustainability and energy efficiency at Indira Mahavidyalaya, Kalamb.

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Policy on Energy Usage

1. Introduction

Indira Mahavidyalaya Kalamb is dedicated to upholding environmental sustainability and minimizing its ecological footprint through responsible energy management practices. This Energy Usage Policy outlines commitments and actions towards achieving these goals.

2. Goals and Objectives

Institutes objectives are aligned with promoting energy efficiency, reducing environmental impact, and fostering sustainable practices. Specific goals include:

- **Reduce Carbon Footprint:** Achieve a 50% improvement in carbon efficiency by 2025 compared to previous years.
- **Promote Public Transport:** Reduce local air pollution by encouraging the use of public transportation and implementing restrictions on vehicle entry into the campus.
- **Compliance:** Adhere to all applicable international, regional, and national environmental regulations and legal requirements concerning energy consumption and efficiency.
- **Green Procurement:** Adopt a green procurement philosophy to prioritize sustainable and energy-efficient products and services.
- **Water Conservation:** Implement sustainable water conservation and management practices throughout campus operations.

3. Energy Management Strategies

To achieve objectives, Institution will implement the following strategies:

- **Energy Assessment:** Conduct regular assessments of energy usage across campus facilities and activities to identify opportunities for improvement.
- **Renewable Energy:** Install photovoltaic solar panels to generate alternative energy and reduce reliance on conventional power sources.
- **Energy-Efficient Lighting:** Replace traditional lighting with energy-efficient LED bulbs across all campus buildings to conserve electricity.
- **Continuous Improvement:** Implement ongoing measures to enhance energy consumption efficiency and reduce wastage.
- **Resource Allocation:** Allocate necessary resources and support to ensure the successful implementation of energy-saving initiatives.

4. Technology and Innovation

- **Advanced Technology:** Utilize advanced technologies to minimize energy consumption, atmospheric emissions, and noise pollution, particularly in vehicle fleets and campus operations.
- **Collaboration:** Engage in partnerships and collaborations with government agencies, municipal corporations, and local organizations to promote energy efficiency, environmental conservation, and sustainable development.

5. Education and Engagement

- **Awareness and Training:** Enhance the environmental knowledge and skills of staff and students through training programs and informational campaigns on energy-saving measures.
- **Community Engagement:** Encourage active participation of faculty, staff, and students in initiatives that contribute to environmental protection and sustainable practices.

6. Monitoring and Review

- **Monitoring:** Continuously monitor energy usage and environmental impact to track progress towards goals and identify areas for further improvement.
- **Adaptation:** Remain responsive to emerging environmental and energy-related issues, adjusting policies and practices as necessary to ensure ongoing effectiveness.

7. Conclusion

By adhering to this Energy Usage Policy, Indira Mahavidyalaya Kalamb aims to lead by example in environmental sustainability and energy management within the educational sector. Through collective efforts and a commitment to innovation, Institution strives to create a campus environment that is both environmentally responsible and conducive to learning and growth.

This policy will be reviewed periodically to ensure its relevance and effectiveness in achieving our sustainability goals.

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Energy Usage Certificate

To Whomsoever it May Concern

This is to Certify that Institution undergoes regular Energy Audit through Recognised auditing agency and Institution receives Certificate after the Process.

Following documents depicts Energy usage as a part of Energy Audit and this certificate is proof of its Authenticity.

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

Indira Mahavidyalaya Code No. 414 Kalamb

P. B. Mandake.
PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Extract of Energy Usage Statisticks from Energy Audit

The College using Electricity as a main Energy Source. Sectioned load for college is 1.5 KW with having 3 phase electricity supply.

	LED 15W	CFL	Tube light 20W	LED Focus 50W	Ceiling Fan 33W	AC 1kW	Computer	Printer	CC TV	TV	Other
Principal office	6	0		0	2	2	1	1	1	2	0
Office	0	4	3	0	4	0	4	2	3	0	0
Staff Room	0	0	3	0	2	0	0	0	1	0	0
IQAC Room	0	0	5	0	3	1	1	1 Xerox	1	1	0
Exam Dept.	0	0	2	0	2	0	1	1 Xerox	0	0	0
Computer Lab.	0	0	4	0	2	0	26	1	0	0	0
Smart Room	0	0	2	0	2	1	2	0	1	0	Projector 1, Smart board 1
G8 Class Room	0	0	2	0	4	0	0	0	1	0	0
Seminar Hall	4	0	2	1	15	0	0	0	2	0	0
G.F. Corridor	5	0	6	4	2	0	0	0	3	0	Water Cooler-2, Water Filter-2
Library	0	0	6	0	6	0	4	0	2	1	0
Chemistry Department	0	0	7	0	9	0	0	0	1	0	Fridge 1, Ovean-1(750W), furnance-1(2kW), Hot plate-2(300W),
Zoology Department	0	0	7	0	6	0	0	0	1	0	Incubator 1(300W), Oven-1(1450 W), microwave ovan-1(800W)
Home Economics	0	0	7	0	6	0	0	0	1	0	Fridge 1, Ovan-1(750W), furnance-1(2kW), Hot Plate 2(300W),
F15 Class Room	0	0	1	0	2	0	0	0	1	0	
F14 Class Room	0	0	1	0	2	0	0	0	1	0	0

Certificate of Energy Audit (First Phase)

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency

Agency Code – MAH 4211

Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010

greenenergysolutions@gmail.com +91 712 22614722

Ref.: GEA 15-2022 Date: 24/07/2022

Energy Audit Completion Certification for First Phase

This is to certify that,

The first phase of data collection and monitoring for 2020-21 and 2021-2022 for energy audit of **Indira Mahavidyalaya, Kalamb** is completed successfully to conserve environment and ensuring sustainable development. Further it is suggested that to complete the final assessment of Energy audit during July to October 2023.

This Certificate is issued to **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal** on their request.

Dated this **24th day of July 2022**.

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

Director, GES

Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

Certificate of Energy Audit

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency

Agency Code – MAH 4211

Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010

greenenergysolutions@gmail.com +91 712 22614722

Ref.: GEA 102-2023 Date: 30/10/2023

Energy Audit Certification

This is to certify that,

The data collection has been carried out diligently and truthfully;

All data monitoring devices are in good working condition and have been calibrated or certified by approved agencies authorised and no tampering of such devices has occurred;

All reasonable professional skill, care and diligence had been taken in preparing the energy audit report and the contents thereof are a true representation of the facts;

Adequate training provided to personnel involved in daily operations after implementation of recommendations.

Indira Mahavidyalaya, Kalamb is certified to have done exceptionally well to conserve environment and ensuring sustainable development.

Duration of Audit: August 2023 to October 2023

Assessment Period: 2020-21, 2021-2022, 2022-23

This Certificate is issued to **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal** on their request.

Dated this **30th day of October 2023**.

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

Director, GES

Prabhakar P. Patil

Director

Green Energy Solutions

Agency Code- MAH 4211

Certificate of Green Audit (First Phase)

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency

Agency Code – MAH 4211

Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010

greenenergysolutions@gmail.com +91 712 22614722

Ref.: GEA 14-2022 Date: 24/07/2022

Green/Environmental Audit Completion Certification for First Phase

This is to certify that,

The first phase of data collection and monitoring for 2020-21 and 2021-2022 for Green/Environmental audit of **Indira Mahavidyalaya, Kalamb** is completed successfully to conserve environment and ensuring sustainable development. Further it is suggested that to complete the final assessment of Green/Environmental audit during July to October 2023.

This Certificate is issued to **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal** on their request.

Dated this **24th day of July 2022**.

Director, GES

Prabhakar P. Patil

Director

Green Energy Solutions

Agency Code- MAH 4211

Certificate of Green Audit

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency
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Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010
greenenergysolutions@gmail.com +91 712 22614722

Ref.: GEA 101-2023 Date: 30/10/2023

Green/Environmental Audit Certification

This is to certify that,

The data collection has been carried out diligently and truthfully;

All reasonable professional skill, care and diligence had been taken in preparing the Green/Environment Audit report & the contents thereof are a true representation of the facts;

Adequate training provided to personnel involved in daily operations after implementation of recommendations.

This Environment Audit included Sectoral Audits, i.e. Water, Energy, Waste cum Material & Resource recovery, Air Quality & Noise, Biodiversity, Infrastructure & outdoor environment, Health & well-being, I.E.C. Activities and Institutional management.

Indira Mahavidyalaya, Kalamb is certified to have done exceptionally well to conserve environment and ensuring sustainable development.

Duration of Audit: August 2023 to October 2023

Assessment Period: 2020-21, 2021-2022, 2022-23

This Certificate is issued to **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal** on their request.

Dated this **30th day of October 2023**.

Director, GES
Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

Energy Audit Report

Energy Audit Report

Dr. Yeshawant Moreshwar Donde Sarwajanik Shaikshanik Trust's

INDIRA MAHAVIDYALAYA

KALAMB, DIST. YAVATMAL, MAHARASHTRA 445401

Duration of Audit: August 2023 to October 2023

Assessment Period: 2020-21, 2021-2022, 2022-23

Dated this 30th day of October 2023

Prepared by

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency
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Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010
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This document contains the survey report of activities that **Green Energy Solutions** has performed in **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal**, premises under Energy Audit. This report includes observations that agency has come across, and also recommendation and solutions for it which can be implemented to enhance the overall performance of the college.

Acknowledgment

We were privileged to work together with the administration, staff and students of Indira Mahavidyalaya, Kalamb, Dist. Yavatmal for their timely help extended to complete the audit and bringing out this report.

With gratitude, we acknowledge the diligent effort and commitments of all those who have helped to bring out this report. We also take this opportunity to thank the bona-fide efforts of team Green Energy Solutions for unstinted support in carrying out this audit. We thank our consultants, engineers and backup staff for their dedication to bring this report.

Thank you!

Date: 30/10/2023

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

(Prabhakar P. Patil)
Director
Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

Do you know?

A single mobile charger consumes 1 watt while plugged into the wall, even without a phone plugged into it! The same mobile charger will also consume 4.5 watts of electricity with a cell phone plugged into it that is already fully charged! The same mobile will consume 8 watts of power while charging a cell phone. Devices that are plugged in consume energy even when the power is switched off min. 1 watt of electricity is consumed, which may not seem more but if you have 15+ appliances then it is 15 watts of energy that is consumed! This power consumption is different for every device. Therefore, unplug your devices when not in use.

Index





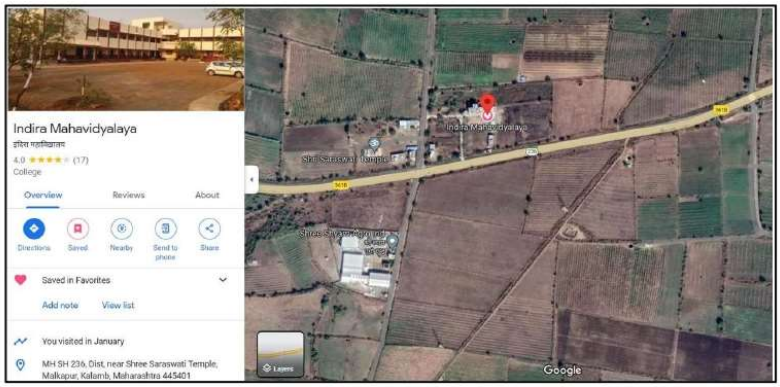


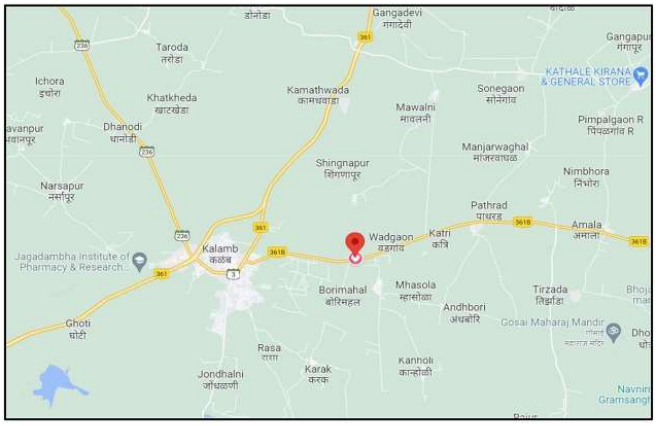

Location

Indira Mahavidyalaya is locatied on Kalamb-Ralegaon Road, Near Shree Saraswati Temple, Kalmb, Dist. Yavatmal (Maharashtra).

Country and State	India, Mahrarashtra
District	Yavatmal
Taluka	Kalamb
Government Type	Nagar Panchayat
Metropolis	10 Acers
Population of Taluka	135,992
Population of City	17447
Pin code	445401
Official language	Marathi
Location	20.4452° N, 78.3245° E

Satellite Image / Map





Executive summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development.

The Green Campus components include environmentally friendly building, energy efficiency, and renewable energy, indoor and outdoor air quality, water efficiency, waste reduction, plantation, rain water harvesting, plastic free campus etc.

An energy audit helps to understand more about the ways energy is used in any college and helps in identifying areas where waste may occur and scope for improvement exists. The overall energy efficiency from generation to the final consumer becomes 50%. Hence one unit saved in the end user is equivalent to two units generated in the power plant.

An energy audit is the most efficient way to identify the strength and weaknesses of energy management practices and to find a way to solve problems. An energy audit is a professional approach to utilizing economic, financial, social, and natural resources responsibly. Energy audits "adds value" to management control and are a way of evaluating the system.

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit or environment audit as well as energy audit. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures. In view of the NAAC circular, Indira Mahavidyalaya decided to conduct an external Energy Audit by Green Energy Solutions.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the government recommended Energy Policy. The methodology include: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. At the same time college conducted total Green/Environmental Audit by our Agency.

Thanks to the management of Dr. Yashawant Moreshwar Donde Sarwajanik Shaikshanik Trust and Principal of Indira Mahavidyialaya for providing this opportunity to work together towards making day-to-day operations of the institution environmentally sustainable. We thank all the employees who participated in the staff survey including non-teaching staff, the students who helped us for gathering the data. We hope our recommendations will be used to create a model of energy saving as well as green institution, and will benefit the institution for NAAC accreditation.

Date: 30/10/2023

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

(Prabhakar P. Patil)
Director, GES

Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

Disclaimer

GREEN ENERGY SOLUTIONS Team has prepared this report of Energy Audit for Indira Mahavidylaya, Kalamb based on input data submitted by the representatives of the college complemented with the best judgment capacity of the expert team. While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered. It is further informed that the conclusions are arrived at following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report. If you wish to distribute copies of this report external to your organization, then all pages must be included. GREEN ENERGY SOLUTIONS, its staff and agents shall keep confidential all information relating to your organization and shall not disclose any such information to any third party, except that in the public domain or required by law or relevant accreditation bodies.

Introduction to the Energy-Audit programme

Green & Energy audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity, energy usage. Audit is the tool of management system used methodically for protection and conservation of the environment. It is also used for the sustenance of the environment. The 'Green Audit' aims to analyse environmental practices within and outside the college campus, which will have an impact on the eco- friendly ambience. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

The 'Energy audit' aims it is a technique used to establish the pattern of energy use, and identifies the areas where energy can be saved or where energy can be used judiciously. An energy audit consists of a detailed examination of how a facility uses energy, what the facility pays for that energy, and finally, a recommended program for changes in operating practices or energy consuming equipment that will effectively save on energy bills.

Definition of Energy Audit under the Energy Conservation Act, 2001

As per the Energy Conservation Act, 2001, an energy audit is defined as "the verification, monitoring and analysis of use of energy including submission of a technical report containing recommendations for improving energy efficiency with cost benefit analysis and an action plan to reduce energy consumption."

Energy accounting gives us an overall picture of energy availability and its use. Energy audit helps us in analyzing the data in a systematic and meaningful manner to evolve appropriate measures to

• introduce checks and balances in the system for reducing leakages and losses; and

• achieve technical performance.

About the College

Dr. Yashawant Moreshwar Donde Sarwajanik Shaikshanik Trust and Indira Mahavidyalaya, Kalamb is 40 years young college having Arts, Commerce, and Science faculty. College is reaccredited with B+ Grade by NAAC. The college is located on a beautiful campus of 10 acres. The college main building is in "L" shape. There are few separate buildings for few departments, canteen, gymnasium, open air theatre etc. There are separate laboratories for Chemistry, Botany, Zoology, Physics, Electronics, Computer Science, Geography, Home Economics, and Psychology. The college has also adopted a system for environmental conservation and sustainability.

Objectives of the Study

Energy audit can help us understand more about the ways energy and fuel are used in the institute, and help in identifying the areas where waste can occur and where scope for improvement exists.

Energy audit is carried out with the following aims:

a) review and upgrading of procedure for energy accounting;

b) review of technical efficiency of system elements in sub-transmission and distribution (ST&D) system;

c) analysis of the techniques for measuring the energy received, energy billed and the corresponding revenue collection;

d) review of performance of equipment, meters, distribution transformers, etc.;

e) segregation of technical and non-technical losses; and

f) establishment of norms for checking the consumption of various categories of consumers and overall energy balance in the circles.

In general, energy audit facilitates the translation of ideas about energy conservation into reality, by lending technically feasible solutions with economic and other organisational considerations within a specified time frame. The primary objective of energy audit is to determine ways of reducing energy consumption. For a distribution utility, energy is a commodity and its monitoring is essential.

Energy audit for a distribution utility

- ensures that input units into an area are recorded;
- ensures that the corresponding output units are recorded;
- identifies areas of deficiency (under recording and/or theft) and its correction;
- enables accurate calculation of systemic losses (both technical and commercial);

Energy audit in a power utility provides a benchmark or reference point for managing energy in the utility and the basis for planning a more effective use of energy in the utility. Proper

energy accounting and auditing would facilitate in the creation of a data base to act as input for the following improvements in the distribution system:

• load management;

• details of power factor, active and reactive power flows and suitable location for reactive power injection in the system;

• assessment of diversity in the system;

• optimum utilisation of equipment and services;

• improved voltage profile in the system;

• details of category-wise consumption of loads and proper forecast of demand; and

• better system augmentation and expansion planning.

College has focused on 2 aims:

1) To minimise the use of natural resources

2) Conservation of energy

College has focused on 3 Objectives:

1) To save non-conventionally produce electric energy

2) Use of conventional source of energy

3) Minimization of electric expenses

Steps in Energy Audit

Pre-Audit

1. Make a plan for the audit.
2. Form an auditing team.
3. Schedule for an audit.
4. Gather the necessary background information regarding institute and Energy Audit.

On Site

1. Understand the scope of audit.
2. Analyse the strengths and weaknesses of the internal controls.
3. Conduct the audit.
4. Evaluate the observations of audit program.
5. Prepare a report of the observations side by side.

Post-Audit

1. Produce a draft report of the data collected.
2. Produce a final report of the observations and the inference with accuracy.
3. Distribute the final report to the management.
4. Prepare an action plan to overcome the flaws.
5. Keep a watch on the action plan.

Methodology

In order to perform Energy Audit, the methodology included different tools such as preparation of charts of available data, physical inspection of the campus, observation and review of the documentation, data analysis, measurements and recommendations.

There are several types of energy audits:

• Preliminary Audit,
• Utility Cost Analysis,
• Standard Energy Audit, and
• Detailed Energy Audit.

Our focus is on **Preliminary Energy Audit and on Utility Cost Analysis**. This is the simplest and quickest type of audit. It focuses on evaluating the energy usage pattern and generates baseline data on the operational
practices in vogue. It is a relatively quick exercise to:

• establish energy consumption in the college;
• estimate the scope for energy savings;
• identify the most likely (and the easiest) areas for attention;
• identify immediate (especially no-/low-cost) improvements/ savings;
• identify areas for more detailed study/measurement.

Preliminary energy audit uses existing or easily obtainable data. It usually collects an overall facility profile and information on major energy using systems and equipment. Corrective measures are briefly described, and quick estimates of implementation cost, potential savings, and simple payback periods are provided. Recommendations resulting from a preliminary audit include low to no-cost actions that can provide immediate energy use and/or operating savings. The purpose of Utility Cost Analysis of audit is to analyze the operating costs of the facility, and determine the potential for energy efficiency retrofits.

In college, agency has collected utility bills for a period of 36 months to evaluate the energy demand to rate structures, and energy usage profiles. The additional task was to find energy consuming systems as well as to gain an insight into the variations in consumption and demand. A detailed financial analysis is performed for each measure based on detailed implementation cost estimates, site-specific operating cost savings, and the investment criteria.

Activity Performed

The following issues were studied for the Energy Audit in Indira Mahavidyalaya.

• Present level of Energy Consumption Energy Audit.
• Assess the various equipment/facilities from the Energy efficiency aspect.
• Scope for the usage of Renewable Energy.
• Various measures to reduce the Energy Consumption.

This study has been prepared based on the available data, samples, and information supplied by the College and recommendations for improving the efficient use of Energy have been made by college officials.

The various activities performed in the college for conducting an energy audit as follows:

1. Gathering and collating information in a specially designed, "Energy Systems Questionnaire" format.
2. Collection of electricity bills for 3 years and comparison of the collected data.
3. Assessment of present efficiency index for energy consumption.
4. Study of equipment and systems for operational efficiency and potential for economising.
5. Evaluation of the detailed recommendations for energy saving/conservation,

6. Formulation of detailed action plans/strategies in consultation with plant management for implementation of the identified energy saving measures.
7. Guidance to teaching and non-teaching staff for energy conservation and to implement the recommendations and also to monitor the progress on a periodic basis.

Utilization of energy/electricity in various parts of college infrastructure

Library

The College library is automated and well equipped with computers, printer, tube lights and fans. There is a large and comfortable seating place having natural light and air. Consumption of electricity is not more than the average.

Seminar Hall

The college has a well-equipped seminar hall with capacity of more than 300 seats. Along with various kinds of programs, the seminar hall is also used frequently to organize events. There are many windows and ventilations for natural light and fresh air. Seminar hall is equipped with tube lights, LED lights and fans. There is a sound system with 2 speakers of not more than 150 w. Consumption of electricity is at average level.

Other buildings with Good Daylight design and ventilation

Class rooms, laboratories, offices etc. include high ceiling, wide windows and doors. These features help providing ample sunlight which in turn saves electricity. Also, cross ventilation in classrooms and offices are facilitated due to wider windows in parallel walls.

Transportation

Almost all the students generally use public transports like state transport bus, sometimes auto rikshaw, bicycles, Motor cycles, etc. for commuting between college and their living places. The college authority also encourages themselves and neighbouring people to use public transport facilities which leads to fuel saving and also reduce carbon emission. Faculties use cars by pooling together 4 to 5 persons in a vehicle. Non-teaching staff use two wheelers with the colleagues. The fuel saving methods used by college are appreciable. Staff motivates students to use cycles. The college has a dedicated parking space at the main gate which is slightly away from class rooms, office and other buildings to reduce hazardous pollution in the campus.

Energy consumption analysis

The College using Electricity as a main Energy Source. Sectioned load for college is 1.5 KW with having 3 phase electricity supply.

	LED 15W	CFL	Tube light 20W	LED Focus 50W	Ceiling Fan 33W	AC 1kW	Computer	Printer	CC TV	TV	Other
Principal office	6	0		0	2	2	1	1	1	2	0
Office	0	4	3	0	4	0	4	2	3	0	0
Staff Room	0	0	3	0	2	0	0	0	1	0	0
IQAC Room	0	0	5	0	3	1	1	1 Xerox	1	1	0
Exam Dept.	0	0	2	0	2	0	1	1 Xerox	0	0	0
Computer Lab.	0	0	4	0	2	0	26	1	0	0	0
Smart Room	0	0	2	0	2	1	2	0	1	0	Projector 1, Smart board 1
G8 Class Room	0	0	2	0	4	0	0	0	1	0	0
Seminar Hall	4	0	2	1	15	0	0	0	2	0	0
G.F. Corridor	5	0	6	4	2	0	0	0	3	0	Water Cooler-2, Water Filter-2
Library	0	0	6	0	6	0	4	0	2	1	0
Chemistry Department	0	0	7	0	9	0	0	0	1	0	Fridge 1, Ovean-1(750W), furnance-1(2kW), Hot plate-2(300W),
Zoology Department	0	0	7	0	6	0	0	0	1	0	Incubator 1(300W), Oven-1(1450 W), microwave ovan-1(800W)
Home Economics	0	0	7	0	6	0	0	0	1	0	Fridge 1, Ovan-1(750W), furnance-1(2kW), Hot Plate 2(300W),
F15 Class Room	0	0	1	0	2	0	0	0	1	0	
F14 Class Room	0	0	1	0	2	0	0	0	1	0	0

F13 Class Room	0	0	1	0	2	0	0	0	1	0	0
F12 Class Room	0	0	2	0	2	0	0	0	1	0	0
1st Floor corridor	0	0	9	1	0	0	0	0	0	0	0
Physics Lab.	0	0	5	0	5	0	0	0	1	0	Ovan-1(2kW)
Economics Dept.	0	0	0	0	2	0	0	0	0	0	0
Psychology Dept.	0	0	2	0	2	0	0	0	0	0	0
Old Science Building	5	0	14	0	12	0	0	0	0	0	0
Yoga Centre	12	0	13	2	6	0	0	0	0	0	0
Sports Room	0	0	1	0	1	0	0	0	0	0	0
Gymnasium	0	0	2	0	2	0	0	0	0	0	Home Theatre Speakers
Botany Dept.	0	0	2	0	2	0	0	0	0	0	0
Geography Dept.	0	0	2	0	5	0	0	0	0	0	0
English Dept.	0	0	3	0	1	0	0	0	0	0	0
Total Apparatus	**32**	**4**	**114**	**8**	**113**	**4**	**38**	**6**	**23**	**4**	
Total consumption	**480 W**	**80 W**	**2.28 kW**	**400 W**	**3.7kW**	**4kW**	**370 W**	**90 W**	**345 W**	**750 W**	**10 kW**

Observations:

• The Institute has about 114 tube lights with maximum LED lights, 4 LED focus, 32 LED lights ,4 CFL, which are more Energy Efficient than old patterned fluorescent tube lights. All LED tube lights are fitted with electronic ballast.

• The College has 113 fans in different Classrooms, departments, Workshops, labs and offices. All fans are fitted with an electronic regulator.

• There are 4 AC units with 3 to 4-star rating. As no daily use of AC, the consumption is below average.

• There are 38 computes, 6 printers, 23 CCTV cameras and 4 TV sets.

• Few equipment like DVD player, tape recorders, Dish TV etc. are there but not in use now a days. So, there is no electricity consumption on that old equipment or on apparatus.

• The use of electricity is less in comparison to other colleges; the electricity bill is not much high and no point of worry.

Electricity Bill Analysis of the College:

Energy Bill for Consumer number 377990010567, Principal, Indira Mahavidyalaya

2020-2021

Month	Amount	Fixed charge	Energy charge	Duty	S.T.	Consumption
June 2020	5930	333	1161.81	508.95	63.18	351
July 2020	2070	333	1161.81	508.95	63.18	351
Sept.2020	920	333	609.04	266.30	33.12	184
Oct. 2020	1040	333	473.33	207.35	25.74	143
Nov. 2020	1000	333	450.16	189.20	24.48	136
Dec. 2020	1030	333	466.71	204.45	25.38	141
Jan. 2021	960	333	417.06	182.70	22.68	126
Feb. 2021	1210	333	595.80	261.00	32.40	180
Av. added for 2 months	3540	-	-	-	-	403
For 10 months	**17700**	-	-	-	**Total**	**2015**

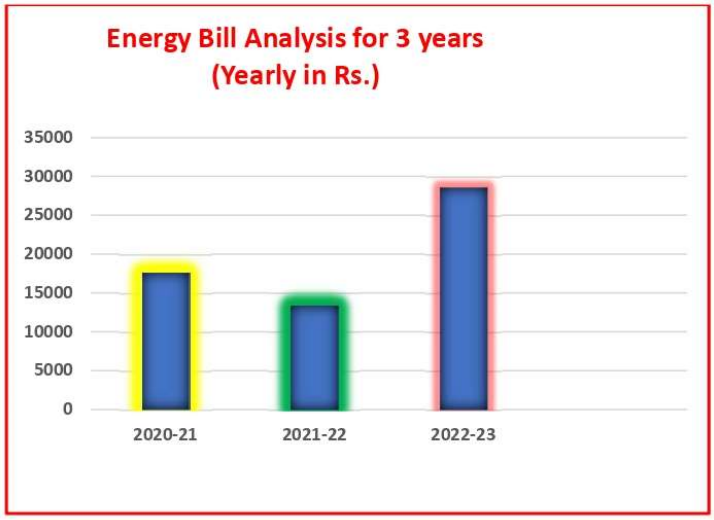
2021-2022

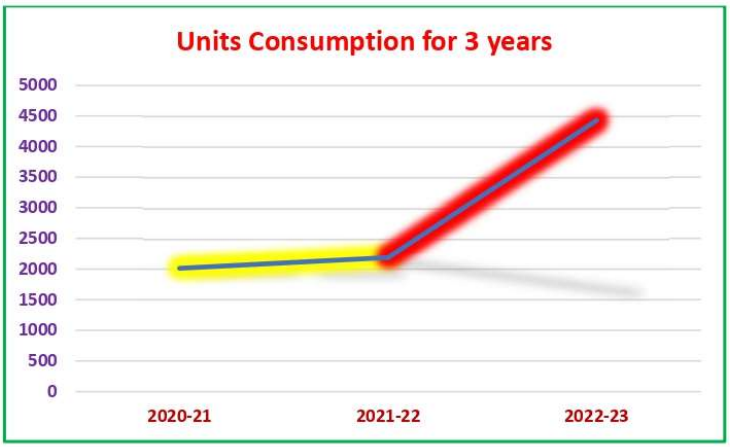
Month	Amount	Fixed charge	Energy charge	Duty	S.T.	Consumption
April 2021	1530	335	388.97	346.23	43.38	241
May 2021	920	343.00	549.12	242.88	31.68	176
June 2021	1330	343.00	670.80	296.70	38.70	215
Sept. 2021	1880	343.00	1026.48	454.02	59.22	329.
Oct. 2021	1420	343.00	730.08	322.82	42.12	234
Nov. 2021	1520	343.00	798.72	353.28	46.08	256
Dec. 2021	1120	343.00	530.40	234.60	30.60	170
Jan. 2022	1460	343.00	742.56	328.44	42.84	238
Feb. 2022	1180	343.00	574.08	253.92	33.12	184
Mar. 2022	1040	343.00	468.00	207.00	27.00	150
For 10 months	**13400**	-	-	-	**Total**	**2193**

2022-2023

Month	Amount	Fixed charge	Energy charge	Duty	S.T.	Consumption
April 2022	2220	345	1233.78	541.47	70.92	394
June 2022	3120	353	1838	780.30	104.04	578
July 2022	3300	353	1768.08	750.06	100.08	556
August2022	2870	353	1500.96	306.80	84.96	472

Sept. 2022	2700	353	1411.92	599.40	79.95	444
Oct. 2022	3700	353	2009.76	856.20	113.76	632
Nov. 2022	2940	353	1542.13	654.75	87.30	485
Dec. 2022	2150	353	1081.20	459.0	61.20	340
Jan. 2023	2590	353	1348.32	572.40	76.32	424
Feb. 2023	3010	353	1593.18	676.35	90.18	501
For 10 months	**28600**	-	-	-	**Total**	**4432**





महावितरण

महाराष्ट्र स्टेट इलेक्ट्रिसिटी डिस्ट्रीब्यूशन कंपनी लि.

स्वातंत्र्याचा अमृत महोत्सव

वीज पुरवठा देयक माहे: OCT-2023

Website :www.mahadiscom.in
GSTIN of MSEDCL 27AAECM2933K1ZB
BILL NO.(GGN): 000002174106310

HSN code 27160000

ग्राहक क्रमांक: 377990010567
SHRI PRINIPAL.INDIRA.MAHAWAIDAYA
NEAR BORI RALEGAON ROAD KALAMB KALAMB 445401
मोबाइल/ इमेल: 94*****58/

देयक दिनांक: **11-OCT-23**
देयक रक्कम रु.: **2,100.00**
देय दिनांक: 31-OCT-23
या तारखे नंतर भरल्यास: **2,130.00**

बिलींग युनिट: 3166 :KALAMB S/DN.
दर संकेत: 017 /LT Public Services Govt. Educa
पोल नं: 000IM 01
पी.सी./चक्र+मार्ग-क्रम/डि.टी.सी.: 2 / 01-0090-0220 /4316652
मिटर क्रमांक: 07805374187
रिडिंग गुप: F2

पुरवठा दिनांक: 11-Oct-1985
मंजुर भार: 1.5 KW
सुरक्षा ठेव जमा(रु): 5,200.00
चालु रिडिंग दिनांक: 06-OCT-23
मागील रिडिंग दिनांक: 06-SEP-23

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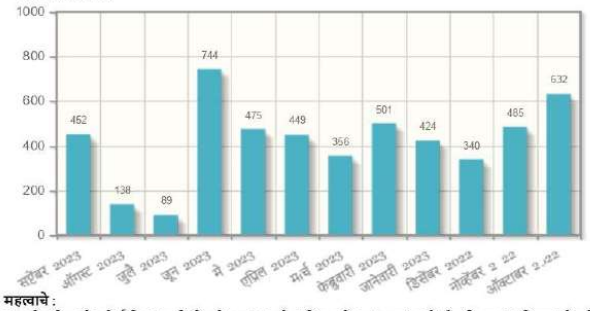
चालु रिडिंग	मागील रिडिंग	गुणक अवयव	युनिट	समा. युनिट	एकुण
41550	41246	01	304	0	304

QR कोडद्वारे भरणा केल्यास, भरणा दिनांकानुसार लागू असलेली तत्पर देयक भरणा सूट किंवा विलंब आकार पुढील देयकात समाविष्ट करण्यात येईल.

NORMAL
Bill Period: 1 Month(s) /

मागील वीज वापर



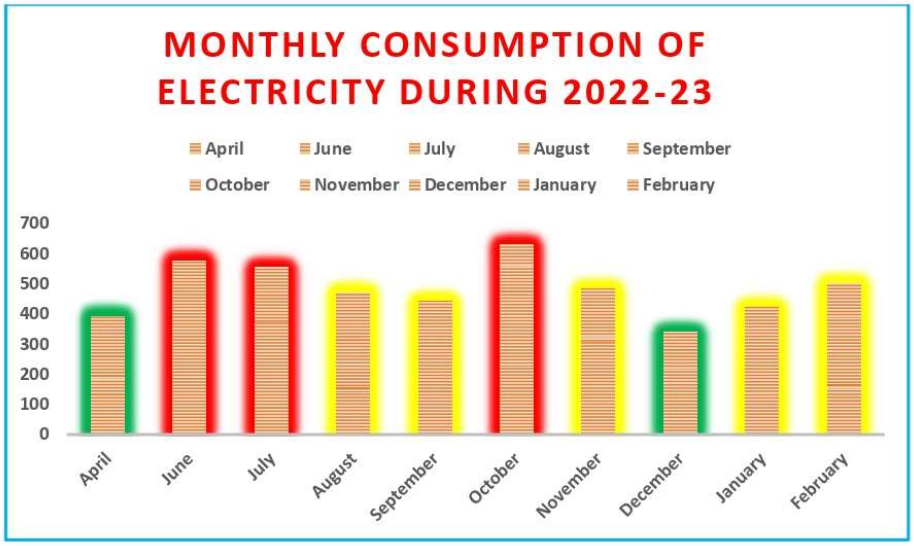
* मध्यवर्ती तक्रार निवारण केंद्र 24*7
MSEDCL Call Center:
18002333435
18002123435
1912
ग्राहकांच्या तक्रारीचे निवारण करण्यासंबंधीचे नियम व कार्यपद्धति महावितरणच्या संकेत स्थळ:- www.mahadiscom.in > ConsumerPortal > CGRF यावर उपलब्ध आहे.

महत्वाचे :
१.छापील बिला ऐवजी ई-बिला साठी नोंदणी करा व प्रत्येक बिलामागे १० रूपयांचा गो-ग्रीन डिस्काउंट मिळवा.नोंदणी करण्यासाठी:-https://pro.mahadiscom.in/Go-Green/gogreen.jsp (GGN नंबर तुमच्या छापील बिलावर वरच्या बाजूला डाव्या कोपऱ्यामध्ये उपलब्ध आहे.)
२. डिजिटल माध्यमाद्वारे विज बिल भरा व ०.२५% (रु.५००/- पर्यंत) सवलत मिळवा.(टॅक्सेस व ड्यूटीज वगळून)
३. तुमचा मोबाइल नंबर व ईमेल पत्ता चुकिचा असल्यास दुरुस्त करा त्यासाठी https://consumerinfo.mahadiscom.in/ येथे भेट द्या.
४. पुढील महिन्याची रीडिंग साधारणतः 06-11-2023 ह्या तारखेला होईल.

विशेष संदेश :
* प्रिय ग्राहक, आपला नोंदणीकृत भ्रमणध्वनी क्र.94*****58 आहे. आपला भ्रमणध्वनी क्रमांक बदलण्यासाठी/नवीन क्रमांक नोंदणीसाठी महावितरण संकेतस्थळ/मोबाईल ॲप वापरा किंवा ९९३०३९९३०३ ह्या क्रमांक वर खालील संदेश पाठवा **MREG 377990010567**
* महावितरणला कोणत्याही प्रकारच्या रक्कमेचा भरणा करताना संगणकीकृत क्रमांक असलेली संगणकीय पावतीच स्वीकारावी. हस्तलिखित पावती स्वीकारु नये. गैरसोय टाळण्यास ऑनलाइन भरणा सुविधेचा पर्याय वापरावा.

For making Energy Bill Payment through RTGS/NEFT mode, use following details
- Beneficiary Name: **MSEDCL**
- Beneficiary Account Number:**MSEDCL01377990010567**
- IFS Code: **SBIN0008965**
- Name of Bank: **STATE BANK OF INDIA**
- Name of Branch: **IFB BKC**
- Amount:**As per Bill**

Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.



As per the above tables and graphs, the average monthly Electricity Consumption is 201.5 units in 2020-21, 219.3 in 2021-22, 443.2 in 2022-23 per month, and The Average Monthly Electricity Bill is Rs. 1770 in 2020-21, Rs. 1340 in 2021-22, Rs. 2860 in 2022-23. There are slight fluctuations in Electricity Consumption in college. The use of electricity during 2022-23 is increased as compared to previous two years. As per the data for 2022-23, during June, July and October months the consumption of electricity is above average whereas during April and December it is below average. Rest months' consumption is at average level. An initiative is taken the college to conversion to LED light for reducing the total electricity consumption.

Best Practices and Initiatives

Checklist	Yes/No/NA	Total marks 100
Renewable Energy / Solar Power Plant	No	00
Energy Audit Conducted	Yes	10
Biogas Plant installed	No	00
Biodiversity Conservation	Yes	08
Use of LED, CFL bulbs and tubes	Yes	08
Stabilizers to protect instruments	Yes	08
Are there energy saving methods adopted?	Yes	07
Are your computers and other equipment put on power saving mode?	Yes	07
E Waste Management	Yes	06
Adoption of Village for green practices	Yes	10
	Total	**64**

Observations:

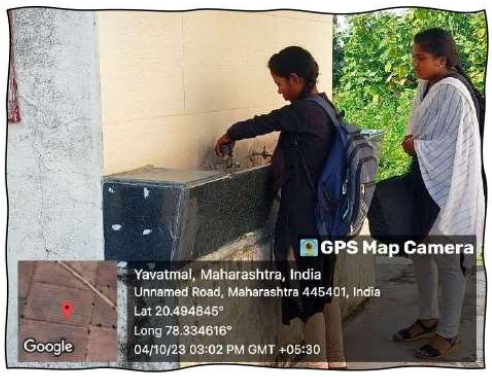
1. Lux light level is sufficient in the Campus, where students spend most of their time and focus on learning.
2. Homogeneous lighting achieved with LED lighting systems reduces shadows and improves visibility.
3. College installed LED lighting systems which is a good option for Energy Consumption. These systems provide energy-efficient lighting and reduce maintenance costs to a minimum.
4. Natural lighting is considered for corridors.
5. Regular monitoring of Equipment and immediate rectification of any problems is being done.
6. Unit consumption and the amount paid for bills increased slightly. This is due to the increase in electricity prices; and now it is a post covid period.

Analysis of Water Pumps

The water supply to the College is taken from the 2 wells. Main building water tanks are connected to a well by PVC pipes and other building water tanks are connected to other well. There are 3 Overhead water tanks and 1 is at ground level that store water coming from the wells.

Capacity of water storage tanks

Sr. No.	Tank	UGT capacity in litre	No. of times filled Water	storage/ usage (m3/day)
1	Main Building terrace water tank	15000	1	120
2	Old Science Building-South-West Block water tank	5000	1	80
3	Ground level water tank	5000	1	80
4	Old Building – North-West Block water tank	2500	1	50



Water Pump Capacity

Sr. No.	Motor Capacity	Electrical loading
1	1.0 hp	746watt 2 hrs/day
2	1.0 hp	746watt 2 hrs/day

Other Sources of Energy

Generator

There is a 2.7 Kva generator in college which run on LPG. As there are 3 battery invertors available in college, generator is not in use and so there is no consumption of LPG by the generaor.

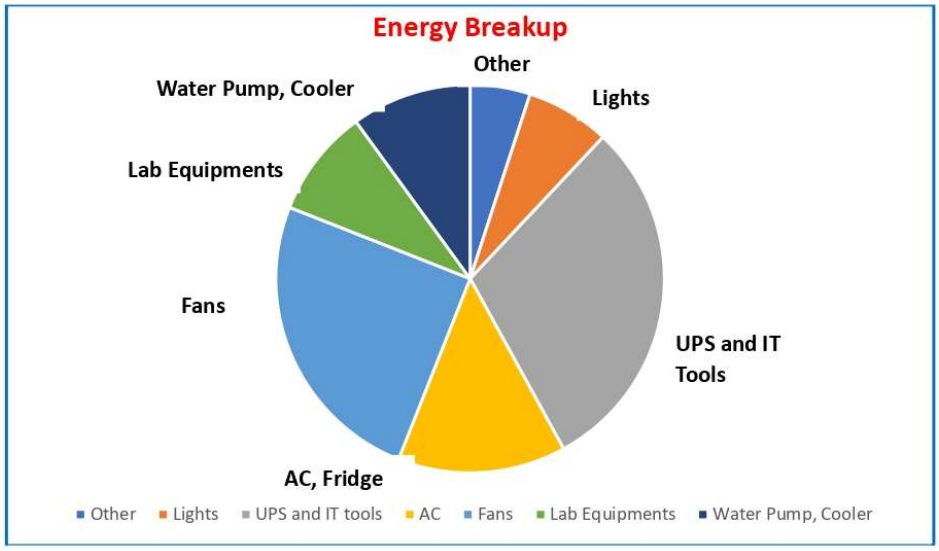
Inverters

There are 3 battery inverters are in college. Two 1500 VA inverters and one 3000VA sinewave inverters are available in college. As there is no load shading now a days, inverters are using less electricity.

LPG

There are 2 laboratories using LPG. One is Home Economics and other one is Chemistry. Consumption of LPG in Home Economics laboratory is two cylinders per year and in Chemistry three cylinders per year.

Energy Balance



25 % of the total energy consumed in this facility is used to operate Fans. Lighting uses 7%, UPS and IT Equipment uses 30%, AC and Fridge uses 14%, Lab Equipment uses 9%, Water Pump and Water Cooler uses 10% and other uses 3%.

Energy Consumption Profile

Sr. No.	Fuel	Consumption in Kcal for a year
1	Electricity	126120
2	LPG	30780

Audit Findings and Recommendations

Based on the analysis of Power Consumption data, Certain steps have been recommended to improve the campus's energy efficiency. Complete cost analysis of the implementation of the recommended measure has been performed wherever necessary.
Also, the general measure of energy efficiency has been listed. Described below are some crucial recommendations for better energy efficiency:

Consolidation of Audit Findings

1) The communication process for awareness concerning energy conservation is found adequate.
2) Average Power factor is maintained.
3) The monthly use of Electricity in the College is not very high.
4) Objectives for reducing energy, Water and Fuel consumption are sufficient.
5) Energy-efficient equipment and LED lights are being used to replace the old non-energy efficient Lights.
6) Regular monitoring of Equipment and immediate rectification of any problems.
7) Energy conservation tips/ posters are displayed in crucial points.

Recommendations

1. Housekeeping:

• **Curtains:** Always keep curtains on windows to prevent direct sunlight inside the room to avoid heating cooled air.
• **Proper insulation:** Good Quality insulation must be maintained in the airconditioned rooms by keeping all doors and windows closed adequately to prevent cool air from going out and Hot air.

• **Operating:** The AC should be switched on 15 minutes before actual use and should be switched off before leaving the room.

2. Replacing Florescent Tube light to LED lights:

LED lighting systems are a good option for college. These systems provide energy-efficient lighting and reduce maintenance costs to a minimum. The College suggests that the College use LED lights instead of fluorescent tube lights.

Dominants' light sources at most places on the campus are traditional Florescent tube lights. If LEDs replace these tube lights, 18 Watts of power can be saved.

3. Replacing LED Monitors with LCD Monitors

LCD monitors consume 150 W, while LED monitors consume only 50W. The saving of 25 W per monitor is considerable, but the LED monitor is also costlier by Rs. 2000. (approx.)

4. Use of Master Switch outside each room.

Installation of a Master switch outside a room can make it easy for a person to switch off all the room's applications in case someone forgets to switch off while leaving the room. This can help improve energy efficiency.

5. Hibernating

Utilizing Hibernating feature to power down computers will reduce the current wasted Energy associated with keeping computers powered on when the building is unoccupied.

6. Conduct more save energy awareness programs for students and staff.

Conduct more save energy awareness programs for students and staff.

8. Energy Substitutions:

As in the Campus, there is a much consumption of Electrical Energy, which is not economical. Instead of using electrical energy, switch to an alternative energy source, solar power.

***

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3. Home Energy Audit Manual (2017), Ottotractions & EMC Kerala, No.ES 26, Pp.114
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- https://www.carbonfootprint.com/factors.aspx

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Date: 30/10/2023

GREEN ENERGY SOLUTIONS ★ AGENCY CODE:MAH4211 ★

(Prabhakar P. Patil)
Director, GES
Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211




Green Audit Report

Green/Environmental Audit Report

Dr. Yeshawant Moreshwar Donde Sarwajanik Shaikshanik Trust's

INDIRA MAHAVIDYALAYA

KALAMB, DIST. YAVATMAL, MAHARASHTRA 445401

Duration of Audit: August 2023 to October 2023
Assessment Period: 2020-21, 2021-2022, 2022-23
Dated this 30th day of October 2023

Prepared by

GREEN ENERGY SOLUTIONS

Authorised Energy and Environment Auditing Agency
Agency Code – MAH 4211
Opposite Wankhede Hall, Near Alnakar Cinema Dharampeth, Nagpur 440 010
greenenergysolutions@gmail.com +91 712 22614722

This document contains the survey report of activities that **Green Energy Solutions** has performed in **Indira Mahavidyalaya, Kalamb, Dist. Yavatmal**, premises under Green Audit. This report includes observations that agency has come across, and also recommendation and solutions for it which can be implemented to enhance the overall performance of the college.

Acknowledgment

We were privileged to work together with the administration, staff and students of Indira Mahavidyalaya, Kalamb, Dist. Yavatmal for their timely help extended to complete the audit and bringing out this report.

With gratitude, we acknowledge the diligent effort and commitments of all those who have helped to bring out this report. We also take this opportunity to thank the bona-fide efforts of team Green Energy Solutions for unstinted support in carrying out this audit. We thank our consultants, engineers and backup staff for their dedication to bring this report.

Thank you!

Date: 30/10/2023

(Prabhakar P. Patil)

Director, GES

Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

The main findings of the audit show that, in general, all the departments and students are aware about the need for environmental protection at a general level. However, on detailed review, it was observed that, as the college is implementing Green Campus Policy for the first time, many of the practices followed in the institution are still in nascent stage and needs further nurture. In addition, certain processes could benefit from further review in order to improve their efficiency, fairness and consistency.

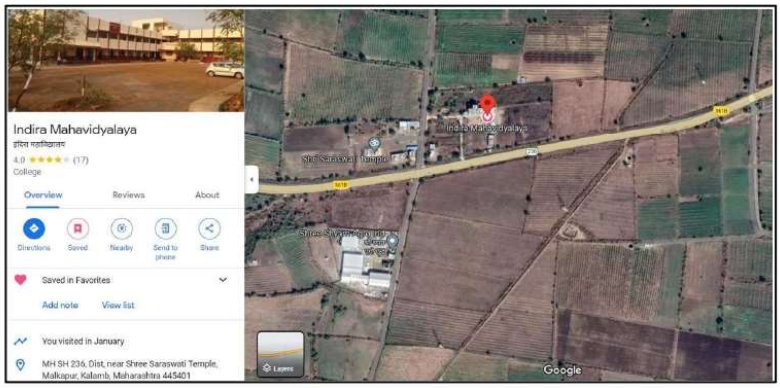
Index

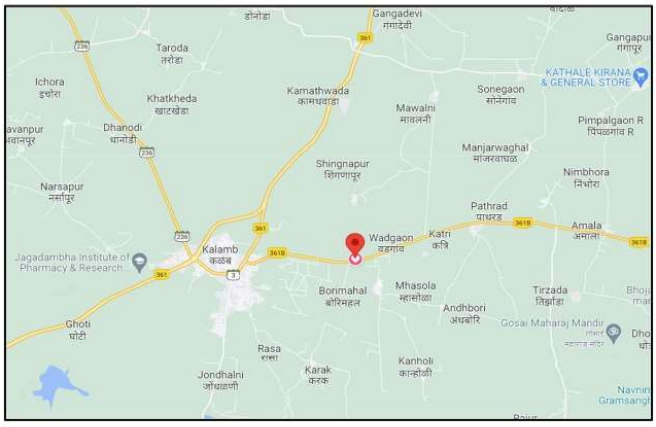
Location

Indira Mahavidyalaya is locatied on Kalamb-Ralegaon Road, Near Shree Saraswati Temple, Kalmb, Dist. Yavatmal (Maharashtra).

Country and State	India, Mahrarashtra
District	Yavatmal
Taluka	Kalamb
Government Type	Nagar Panchayat
Metropolis	10 Acers
Population of Taluka	135,992
Population of City	17447
Pin code	445401
Official language	Marathi
Location	20.4452° N, 78.3245° E

Satellite Image / Map





Executive summary

India has experienced revolutionary rapid industrial growth and urbanization over the past few decades. Due to this, we are observing severe depletion of natural resources, damages to the ecosystems and habitats, heavily polluted surface and ground water resources as well as resources such as soil and air etc. This has almost resulted in irreversible changes which might damage the eco-system and will enhance climate change and create diseases which will be difficult to control, if proper effective measures are not taken in time or if continuous vigilance is not maintained.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development.

In the developing countries like India, the educational institutions have been playing a significant role in promoting social inclusiveness, economic growth and environmental protection directly or indirectly and thus have been contributing to nation's growth since the time unknown. These institutes are indirectly aiming to achieve sustainable development goals which has become necessary in the current scenario.

Most of the educational institutions are thriving to provide a clean and healthy environment and are becoming more sensitive to the maintenance and sustenance of the environment within their campus by promoting good practices such as energy savings, recycling of waste, water management etc. However, these efforts are to be accounted for to the benefit of all the stakeholders associated with an institute. Such accounting will ensure a continuous vigilance with respect to environmental performance of the institute.

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2016–17 onwards that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures. In view of the NAAC circular regarding Green Auditing, the College Management decided to conduct an external Green Evaluation by GREEN ENERGY SOLUTIONS.

INDIRA MAHAVIDYALAYA is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. Being a premier institution of higher learning, the college has arranged various programmes for the environment protection and sustainability.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. It works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity. With this in mind, the specific objectives of the audit are to evaluate the adequacy of the management control framework of environment sustainability as well as

the degree to which the Departments are in compliance with the applicable regulations, policies and standards. It can make a tremendous impact on student health and learning college operational costs and the environment. The criteria, methods and recommendations used in the audit were based on the identified risks.

Thanks to the management of Dr. Yashawant Moreshwar Donde Sarwajanik Shaikshanik Trust and Principal of Indira Mahavidyialaya for providing this opportunity to work together towards making day-to-day operations of the institution environmentally sustainable. We thank all the employees who participated in the staff survey and also the students who helped us for gathering the data and also the non-teaching staff and workers who co-operated with us and hope our recommendations will be used to create a model green institution and will benefit the institution for NAAC accreditation.

Date: 30/10/2023

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

(Prabhakar P. Patil)
Director, GES
Prabhakar P. Patil
Director
Green Energy Solutions
Agency Code- MAH 4211

Disclaimer

GREEN ENERGY SOLUTIONS Team has prepared this report of Green Audit for Indira Mahavidylaya, Kalamb based on input data submitted by the representatives of the college complemented with the best judgment capacity of the expert team. While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered. It is further informed that the conclusions are arrived at following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report. If you wish to distribute copies of this report external to your organization, then all pages must be included. GREEN ENERGY SOLUTIONS, its staff and agents shall keep confidential all information relating to your organization and shall not disclose any such information to any third party, except that in the public domain or required by law or relevant accreditation bodies.

Introduction to the Green-Audit Programme

Green audit is the tool of management system used methodically for protection and conservation of the environment. It is also used for the sustenance of the environment. The audit suggests different standard parameters, methods, and projects for environmental protection. It can be adopted by any industry, organization, educational institutes and even by housing complexes. The green audit is useful to detect and monitor sources of environment pollution and it emphasizes on management of all types of wastes, monitoring of energy consumption, monitoring of quality and quantity of water, monitoring of hazards, safety of stakeholders and even the management of disasters.

The green audit was first implemented in the United States in the early 1970s by some companies in commensuration with Clean Air and Clean Water Act. The United Nations Conference on Environment and Development (UNCED), also known a Earth Summit Rio-1992 held at Rio de Janeiro, Brazil inspired the countries to review their environmental stand to act effectively to save the earth with sustainable approach. Most of the participating countries accepted their national strategy for sustainable development which includes the policy and programs aimed to promote geo-biodiversity and protect environment.

INDIA is the first country in the world to make environmental audits compulsory. The government of India, by its gazette notification dated March 13, 1992, made it mandatory for all industries to provide annual environmental audit reports of their operations, beginning with 1992-93. This required industries to provide details of water, raw materials and energy resources used, and the products and waste generated by them.

In 2006, Government of India declared the National Environment Policy 2006 and made green audit mandatory to each industry. According to the policy it is a response to India's national commitment to a clean environment, mandated in the Constitution in Articles 48 A and 51 A (g), strengthened by judicial interpretation of Article 21 (National Environmental Policy 2006). It is recognized that the maintenance of the healthy environment is not the responsibility of the state alone. It is the responsibility of every citizen and thus a spirit of partnership is to be realized through the environment management of the country. The process of environmental audit was formalized by Supreme Audit Institution (SAI) according to the guidelines given in Manual of Standard Orders (MSO) issued by Authority of the Controller and Auditor General of India 2002.

Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyse environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

Green audit is assigned to the criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India which declares the institutions as Grade A, B or C according to the scores assigned during the accreditation.

About the College

Dr. Yashawant Moreshwar Donde Sarwajanik Shaikshanik Trust and Indira Mahavidyalaya, Kalamb is 40 years young college having Arts, Commerce, and Science faculty. College is reaccredited with B+ Grade by NAAC. The college is located on a beautiful campus of 10 acres. The college main building is in "L" shape. There are few separate buildings for few departments, canteen, gymnasium, open air theatre etc. There are separate laboratories for Chemistry, Botany, Zoology, Physics, Electronics, Computer Science, Geography, Home Economics, and Psychology. The college has also adopted a system for environmental conservation and sustainability. There are three pillars as zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO_2 emission, energy and water use, while creating an atmosphere where students can learn and be healthy. The college administration works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, and Mapping of Biodiversity.

Objectives of the Study

The main objective of the Green Audit is to promote the Environment Management and Conservation in the College Campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green Audit are:

1. To introduce and aware students to real concerns of environment and its sustainability.
2. To secure the environment and cut down the threats posed to human health by analysing the pattern and extent of resource use on the campus.
3. To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
4. To bring out a status report on environmental compliance.

Methodology

In order to perform Green Audit, the methodology included different tools such as preparation of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. The study covered the following areas to summarise the present status of environment management in the campus:

- Water management
- Energy Conservation
- Waste management
- E-waste management
- Green area management

PDCA (Plan-Do-Check-Act), sometimes called PDSA (Plan-Do-Study-Act), the "Deming Wheel," or "Deming Cycle," was developed by renowned management consultant Dr. William

Edwards Deming in the 1950s. He called it as the "Shewhart Cycle," as his model was based on an idea from his mentor, Walter Shewhart. He wanted to create a way of identifying what caused products to fail to meet customers' expectations. His solution helps businesses to develop hypotheses about what needs to change, and then test these in a continuous feedback loop.

PDCA/PDSA CYCLE

The four phases are:

Plan: Identify and analyse the problem or opportunity, develop hypotheses about what the issues may be, and decide which one to test.
Do: Test the potential solution, ideally on a small scale, and measure the results.
Check/Study: Study the result, measure effectiveness, and decide whether the hypothesis is supported or not.
Act: If the solution was successful, implement it.

The PDCA / PDSA framework can improve any process or product by breaking it into smaller steps. It is particularly effective for:
Helping to implement Total Quality Management or Six Sigma initiatives, exploring a range of solutions to problems, and piloting them in a controlled way before selecting one for implementation.
Avoiding wastage of resources by rolling out an ineffective solution on a wide scale.
You can use the model in all sorts of business environments, from new product development, project and change management, to product lifecycle and supply chain management.

Benefits of PDCA cycle

The model is a simple, yet powerful way to resolve new and recurring issues in any industry, department or process. Its iterative approach allows you and your team to test solutions and assess results in a waste-reducing cycle.
It instils a commitment to continuous improvement, however small, and can improve efficiency and productivity in a controlled way, without the risks of making large scale, untested changes to your processes.

While performing the green audit, we followed the PDCA cycle. The advantage of these cycle in achieving the goals of continuous improvement of the quality management system.

This report includes 4 stages as per:

Section 1: Plan Phase (Includes Audit Plan)
Section 2: Do and Check Phase (Includes observation)
Section 3: Act Phase (Includes recommendations)

Section 1: Plan Phase

This phase includes proper planning on how and when the audit will be performed. Prior meetings were held with Principal Dr. Pavan Mandavkar and other teaching and non-teaching staff and also with students to inform them about these activities. Following are the details of these Pre-Audit Meetings that were held during initial period in the college seminar hall in two separate sessions for teaching-non teaching staff and the students respectively.

Session I

This session was conducted in the first month itself, under the guidance of by the Director of Green Energy Solutions, Mr. Prabhakar P. Patil, for the students to brief them about the importance of improving the environmental performance of their college through the Green Audit Activity. They were given a brief idea about what Green Audit is and how they can contribute in this process and how it will benefit them and the college. There was a good response as the students were enthusiast to learn about the audit and wanted to work for the betterment of college environment. Students were divided into two task forces and were assigned the data collection tasks.

Session II

On the same day another session was held for the teaching and non-teaching staff in which they were also informed about the same by Mr. Prabhakar P. Patil. There was a good response from teaching and nonteaching members and all were very much interested to participate in this activity.

Section 2: Do and Check Phase

During next 2 months green/environmental, waste, water and energy audit were performed simultaneously. Before collecting the data, the staff members and students were given some instruction on how to collect the data for both the audit. The staff and students performed the task in an excellent and impressive way. The observations that we recorded are all noted in Section 2 phase.

Before performing the audit, the staff was given some instructions on why they are doing this and how they will segregate the waste. They were also provided with gloves and mask to ensure proper safety and to avoid injuries or ill effects. The observations that we recorded are all noted in Section 2 phase.

This phase includes the observations and depending on that we gave marks to it. On basis of this report, we can properly understand in which section we shall focus and which are lacking behind to make improvements in it.

General Environmental Awareness Questioner

Question	Yes/No/NA	Total marks 100
Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes	10
Does your institute have any rules to protect the environment?	No	00
Dose Environmental Ambient Air Quality Monitoring conducted by the Institute?	Yes, Not Regularly	05
Dose Environmental Water and Waste water Quality monitoring conducted by the Institute?	Yes, Not Regularly	05
Dose stack monitoring of DG sets conducted by the Institute?	N/A	00
Is any warning notice, letter issued by state government bodies?	No	10
Dose any Hazardous waste generated by the Institute? If yes explain its category and disposal method.	No	10
Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes	10
Are students and faculties aware of environmental cleanliness ways?	Yes	10
Dose Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes	10
	Marks obtained	**70**

Best Practices and Initiatives

Checklist	Yes/No/NA	Total marks 100
Renewable Energy / Solar Power Plant	No	00
Energy Audit and Green Audit Conducted	Yes	10
Biogas Plant installed	No	00
Biodiversity Conservation	Yes	08
Tree Plantation Drives / ECO clubs	Yes	10
Ground Water Recharge / Rain Water Harvesting System / Water Conservation	Yes	10
Pollution Reduction Initiative / Public Transportation	Yes	07
E Waste Management Connected to authorized recycler	No	00
Solid Waste Management	Yes	08
Adoption of Village for green practices	Yes	10
	Marks obtained	**63**

Landscaping and Plantation

Landscaping: Landscape is an art to develop specific piece of land into green with aesthetic view commonly called as 'beautification'.

Activity: College is having10 acres of land with various buildings such as class rooms, laboratories, canteen, toilet blocks and play grounds. Surrounding area is a bare land of rocks because of water scarcity it was difficult to made campus green, but college developed Eco-friendly campus. Landscaping is done as per requirement. The role of NSS in landscaping and planting is great.

Aims and objectives: Aim and objective of landscape are as below:

Aims: 1) To develop campus eco-friendly.
2) To creates healthy environment for learning.
3) Beautification of Land.

Objectives: 1) Pants provides natural oxygen.
2) Plants keeps surrounding environment clean and cool.
3) Plants protect from dust which are collected on foliage.
4) Trapping of dust on leaves creates dust free environment in building.
5) Increase aesthetic view of the campus
6) Plants are important as it creates natural habitat for birds and animal.

Plantation: Plants provide us oxygen, filter carbon dioxide, prevent soil erosion, maintain the ecological balance and many more. Also, they provide us food, shelter and many useful things.

Aims: 1) To create healthy environment.
2) To develop the natural habitat in the campus.

Objectives: 1) Increase O_2 level of the campus.
2) Keep surrounding environment cool.
3) Plants give shade.
4) Plants gives natural habitat for birds and animals including Microorganism.

Activity/ Observation: Plantation is done regularly in college. As per location, different variety of plans are planted in various places with keeping aesthetic view with respect to type of soil texture. The College has 67 species of plants that are labelled and their growth is monitored. The entire campus has been developed into beautiful garden patches. The total number of herbs is 53, shrubs 112, and trees 139. Efforts are made to increase the number of plants that can survive under adverse condition of soil and scarcity of water.

Recommendations:

Strengthen the Garden Committee that will hold the complete responsibility for the enactment, enforcement and review of the Environmental Policy. The Committee shall be the source of advice and guidance to staff and students on how to implement the policy. Ensure that an audit is conducted regularly and action is taken on the basis of audit report, recommendation and findings. Increase use drip irrigation system for the proper watering to the plants.

Green Belt and Biodiversity

College campus has plenty of trees. Many of the trees are planted to have medicinal importance. There are large number of big trees surrounding the College field. These trees attract various birds and insects which increases the biodiversity of the Campus. And of course, these trees help reducing the temperature level of the College Campus.

Green Area

This includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

Observations:

Campus is located in the vicinity of approximately 67 types (species) of trees. Various tree plantation programs are being organized during the last week of June, July and August at college campus and surrounding villages through NSS unit. This program helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among villagers. The plantation program includes various type of indigenous species of ornamental and medicinal wild plant species.

Recommendations:

- Reviews periodically the list of trees planted in the garden, allot numbers to the trees and keep records. Give scientific names to the trees.
- Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service.
- Create awareness of environmental sustainability and takes actions to ensure environmental sustainability.
- Establish a College Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy.
- Ensure that an audit is conducted annually or biannually and action is taken on the basis of audit report, recommendation and findings.
- Celebrate 'Environment Day' and other days related to environment and plant trees on these days to make the campus Greener.

Theme localities

Theme	Oxygen -Rich	Beauty	Medicinal	Climbers	Shade	Avenue	Flower Garden
Sacred Fig (Peepal)	✓			✓	✓	✓	✓
Banyan Tree	✓				✓	✓	
Neem	✓		✓				
Guava	✓						
Mango	✓						
Lemon	✓						
Indian Gooseberry	✓						
Almond	✓						
Pomegranate	✓						
Custard Apple	✓						
Banana	✓						
Black Plum (Jamun)	✓						
Fig	✓				✓	✓	
Kadamba	✓						
Plumeria		✓				✓	✓
Jasmine (Mogara)		✓		✓			✓
Oleander (Nerium oleander)		✓					✓
Rose		✓					✓
Gulmohar (Flame Tree)		✓				✓	
Chrysanthemum		✓					✓
Malabar Nut			✓				
White Leadwort			✓				
Holy Basil			✓				
Safflower			✓				
Indian Beech (Pongamia glabra)			✓				
Indigo (Ink Nut)				✓			
Climbers				✓			
Periwinkle							✓

Floral Diversity
Trees available in the college campus

Sr. No.	Common Name	Botanical Name of Plant	No. of trees	Pictures
1	Kadu Nim	*Aazadirachta indica*	30	
2	Chinch	*Tamarindus indica*	10	
3	Ramphal	*Annona reticulata*	1	
4	Sitafal	*Annona squamosa*	10	
5	Saptaparni	*Alstonia scholaris*	4	
6	Bor	*Ziziphus mauritiana*	6	
7	Gulmohar	*Delonix regia*	1	
8	Banyan	*Ficus benghalensis*	3	
9	Mango	*Mangifera indica*	10	
10	Pimpal	*Ficus religiosa*	3	

11	Engraji Chinch	*Pithecellobium dulce*	9	
12	Badam	*Prunus dulcis*	7	
13	Chafa	*Plumeria*	10	
14	Babhul	*Vachellia nilotica*	16	
15	Gauva	*Psidium guajava*	2	

Pictures of Flowering Plants available in college campus

Sr. No.	Common Name	Botanical Name of Plant	No. of plants	Pictures
1	China Rose	*Hibiscus*	10	
2	Nag Champa	*Plumeria Pudica*	3	
3	Sadaphuli (Pink)	*Catharanthus roseus*	25	
4	Sadafuli (White)	*Catharanthus roseus*	23	
5	Chameli	*Yellow plumeria rubra*	2	
6	Nimboo	*Citrus limon*	7	

7	Keli	*Canna spp.*	3	
8	Gulab	*Rosa Damascena*	10	
9	White flowered aak	*Calotropis procera*	1	
10	Purple flowered aak	*Calotropis gigantea*	2	
11	Vidya/ Morpankhi	*Thuja occidentalis L*	1	
12	*Holy basil/* Tulsi	*Ocimum tenuiflorum*	7	
13	Anjeer	*Ficus carica*	2	

Faunal Diversity

The wet season is oppressive and cloudy followed by clear dry season. In general, it is hot most of the months. The hot season prevails for 3 months (Mar-May) whereas after monsoon (June-September) the cold season lasts from November till February. Faunal diversity varies accordingly.

Sr. No.	Common Name	Scientific name:	Image
1	Oriental common grass yellow	Eurema hecabe hecabe	

2	Indian painted Jezebel	*Delias hyparete indica*	
3	Indian angled castor	*Ariadne merione tapestrina*	
4	Damsel Fly	*Ischnura* sp	
5	Dragon Fly	*Aeshna sp*	
6	Rice Grasshoppers	*Oxya sp*	
7	Field Cricket	*Gryllus sp*	
8	Mole Cricket	*Gryllotalpa sp*	
9	Mango Stem Borer	*Batocera rufomaculata*	
10	Oriental magpie-robin	*Copsychus saularis*	
11	House sparrow	*Passer domesticus*	
12	Woodpecker (Lesser Golden-backed Woodpecker)	*Dinopium benghalense*	
13	Common crow	*Corvus splendens*	
14	Jungle Babbler	*Argya striata*	
15	Purple sunbird	*Nectarinia sp*	

16	Spotted dove	*Spilopelia sp*	
17	Jungle Myna	*Acridotheres fuscus*	

Various Faunal Diversity around the College Campus

Sr.No.	Category	Name of Animal	Scientific Name
1	Birds	House Sparrow	*Passer domesticus*
2	Birds	Common Myna	*Acridotheres tristis*
3	Birds	House Crow	*Corvus splendens*
4	Birds	Rock Pigeon	*Columba livia*
5	Birds	Black Kite	*Milvus migrans*
6	Birds	Eagles	*Various species in Aquila and Haliaeetus genera*
7	Mammals	Cattle	*Bos taurus*
8	Mammals	Buffalo	*Bubalus bubalis*
9	Mammals	Goat	*Capra aegagrus hircus*
10	Mammals	Rabbit	*Oryctolagus cuniculus*
11	Mammals	Hedgehog	*Erinaceus europaeus*
12	Insects	Honeybee	*Apis mellifera*
13	Insects	Butterflies	*Various species*
14	Insects	Ladybugs	*Family Coccinellidae*
15	Insects	Spiders	*Various species*
16	Insects	Mantises	*Order Mantodea*
17	Insects	Dragonflies	*Order Odonata*
18	Amphibians	Frogs	*Various Rana and Duttaphrynus species*
19	Amphibians	Indian Toad	*Duttaphrynus melanostictus*
20	Amphibians	Indian Bullfrog	*Hoplobatrachus tigerinus*
21	Reptiles	Rat Snake	*Ptyas mucosa*
22	Reptiles	Spectacled Cobra	*Naja naja*
23	Reptiles	Russell's Viper	*Daboia russelii*
24	Rodents	House Rat	*Rattus rattus*
25	Rodents	House Mouse	*Mus musculus*
26	Rodents	Indian Gerbil	*Tatera indica*
27	Rodents	Indian Hare	*Lepus nigricollis*
28	Soil Fauna	Common Earthworm	*Lumbricus terrestris*
29	Soil Fauna	Bacteria and Fungi	*Various species*

30	Soil Fauna	Nematodes and Protozoa	*Various species*
31	Aquatic Fauna	Fish	*Various species*
32	Aquatic Fauna	Frogs	*Various species*
33	Aquatic Fauna	Aquatic Insects (Dragonfly Nymphs)	*Various species*
34	Gastropods	Common Garden Snail	*Helix aspersa*
35	Gastropods	Slugs	*Various species*
36	Gastropods	Land Snails (in moist areas)	*Various species*

List of some Plants having Medicinal uses in the college campus

Sr. No.	Marathi Common Name	Number	English Common Name	Scientific Name	Plant Type	Medicinal Uses
1	अडुळसा (Adulsa)	3	Malabar Nut	Justicia adhatoda	Herb	Treats respiratory disorders, cough, asthma,
2	निळी रुई (Nilii Rui)	2	Indigo	Indigofera tinctoria	Herb	- Used for dyeing and in traditional medicine.
3	पांढरी रुई (Pandhari Rui)	1	White Leadwort	Plumbago zeylanica	Herb	- Traditional use in herbal medicine.
4	कडूलिंबा (Kadulimba)	30	Neem	Azadirachta indica	Herb	- Used for skin conditions, dental care, and more.
5	पारिजात (Khadasani)	2	Indigo (Ink Nut)	Wrightia tinctoria	Herb	- Used in traditional remedies for various health issues.
6	चक्री (Chakri)	10	Wheel Bush	Cassia tora	Herb	- Traditional use in Ayurvedic medicine for various ailments.
7	पिंपळकवला (Pimpalkavala)	2	Sacred Fig (Peepal)	Ficus religiosa	Herb	- Traditional remedies for several health conditions.
9	तुळस (Tulasi)	1	Holy Basil	Ocimum sanctum	Herb	- Used for various health and medicinal purposes.
10	डाळिंब (Daalimb)	2	Pomegranate	Punica granatum	Herb	- Consumed for its nutritional and potential health benefits.
11	हाडा शंक (Hada Shank)	1	Pongamia	Pongamia pinnata	Shrub	- Used for skin diseases and as a

						remedy for various ailments.
12	चाफा (Chafa)	10	Plumeria	Plumeria spp.	Shrub	- Used in traditional medicine for skin conditions.
13	पांढरी सदाफुली (Pandhari Sadafuli)	25	White	Hibiscus arnottianus	Shrub	- Traditional use in herbal medicine.
14	लाल जास्वंद (Laal Jaswand)	10	Red Hibiscus	Hibiscus rosa-sinensis	Shrub	- Traditional remedies for various health conditions.
15	खंडचक्का (Khandchakka)	3	Safflower	Carthamus tinctorius	Shrub	- Traditional use in Ayurveda and herbal medicine.
16	चंपा (Champa)	15	Plumeria	Plumeria spp.	Shrub	- Used in traditional medicine for skin conditions.
17	सागवान (Saagwan)	15	Teak	Tectona grandis	Shrub	- Traditional uses in Ayurveda and herbal medicine.
18	जांब (Jaamb)	4	Guava	Psidium guajava	Shrub	- Various parts of the guava tree used in traditional remedies.
19	बेल (Bel)	1	Bael	Aegle marmelos	Shrub	- Used to treat digestive and respiratory conditions.
20	शिरास (Shiras)	2	Jackfruit	Artocarpus heterophyllus	Shrub	- Traditional uses in Ayurveda and herbal medicine.
21	चिंच (Chinch)	10	Tamarind	Tamarindus indica	Shrub	- Used in traditional remedies for various health issues.
22	पापळा (Papala)	4	Papaya	Carica papaya	Shrub	- Consumed for its nutritional and potential health benefits.
23	पळस (Palas)	1	Flame of the Forest	Butea monosperma	Shrub	- Traditional use in Ayurveda and herbal medicine.
24	कदंब (Kadamb)	1	Kadamba	Neolamarckia cadamba	Shrub	- Traditional uses in Ayurveda and herbal medicine.
25	मोगरा (Mogara)	10	Jasmine (Mogara)	Jasminum spp.	Shrub	- Traditional uses in herbal medicine and aromatherapy.

26	पांढरा कनेर (Pandhara Kaner)	5	Oleander (Nerium oleander)	Nerium oleander	Tree	- Traditional use in herbal medicine (caution: highly toxic).
27	सिताफळ (Sitaphal)	10	Custard Apple (Annona reticulata)	Annona reticulata	Tree	- Used in traditional medicine for various ailments.
29	करंजी (Karunje)	20	Indian Beech (Pongamia glabra)	Pongamia glabra	Tree	- Traditional use for skin diseases and as a remedy for various ailments.
30	गुलाब (Gulab)	10	Rose (Rosa spp.)	Rosa spp.	Tree	- Traditional uses for fragrance and various health benefits.
31	बाडवा (Baadwa)	2	Banyan Tree (Ficus benghalensis)	Ficus benghalensis	Tree	- Various parts of the banyan tree have medicinal properties.
32	सदाफुली (Sadafuli)	25	Periwinkle	Vinca Rosea	Tree	- Traditional remedies for various health conditions.
33	लाल कनेर (Laal Kaner)	2	Red Oleander (Nerium oleander)	Nerium oleander	Tree	- Traditional use in herbal medicine. Caution: Highly toxic.
34	शेवंती (Shevanti)	20	Chrysanthemum (Chrysanthemum spp.)	Chrysanthemum spp.	Tree	- Traditional uses in herbal medicine and tea preparation.
35	पिंपळ (Pimpal)	3	Sacred Fig (Peepal) (Ficus religiosa)	Ficus religiosa	Tree	- Traditional remedies for several health conditions.
36	बादाम (Baadam)	7	Almond (Prunus dulcis)	Prunus dulcis	Tree	- Consumed for its nutritional and potential health benefits.
37	आंबा (Aamba)	10	Mango (Mangifera indica)	Mangifera indica	Tree	- Various parts of the mango tree are used in traditional remedies.
38	लिंबू (Limbu)	7	Lemon (Citrus limon)	Citrus limon	Tree	- Used for its refreshing juice and potential health benefits.
39	आवळा (Aawla)	9	Indian Gooseberry (Phyllanthus emblica)	Phyllanthus emblica	Tree	- Consumed for its high vitamin C content and potential health benefits.

40	गुलमोहर (Gulmohar)	1	Gulmohar (Flame Tree) (Delonix regia)	Delonix regia	Tree	- Traditional use in Ayurveda and herbal medicine.
41	केळी (Keli)	3	Banana (Musa spp.)	Musa spp.	Tree	- Traditional uses for various health conditions.
42	जांभूळ (Jambhul)	3	Black Plum (Jamun) (Syzygium cumini)	Syzygium cumini	Tree	- Traditional use in Ayurveda and herbal medicine.
43	अंजीर (Anjeer)	2	Fig (Ficus carica)	Ficus carica	Tree	- Traditional use in herbal medicine.

Total Strength of the college (Input Data)

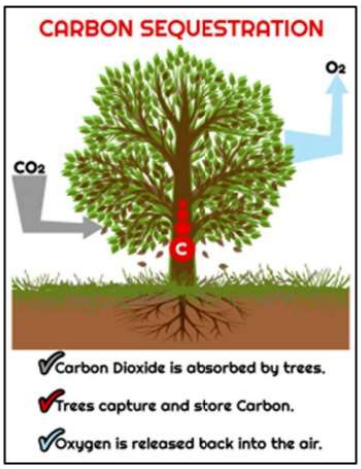
Session	2020-21	2021-22	2022-23
No. of total Students	1284	1181	1138
Teaching Staff	23	22	28
Non-Teaching Staff	12	12	11
Total Occupancy of the college	1319	1215	1277

Air Quality Analysis

Carbon emission and Carbon sequestration

All the activities including energy consumption and waste management have their equivalent carbon emission and they positively contribute to the carbon footprint of the campus. Carbon sequestration is the reverse process, at which the emitted carbon dioxide will get sequestrated according to the type of carbon sequestration employed. Even though there are many natural sequestration processes are involved in a campus, the major type of sequestration among them is the carbon sequestration by trees.

Trees sequestrate carbon dioxide through the biochemical process of photosynthesis and it is stored as carbon in their trunk, branches, leaves and roots. The amount of carbon sequestrated by a tree can be calculated by different methods. In this study, the volumetric approach was taken into account, thus the details including CBH (Circumference at Breast Height), height, average age, and total number of the trees, are required. Details of the trees in the campus compound are given in the Table. Detailed table is included in the technical supplement.



Carbon sequestrated by a tree can be found out by using different methods. Since this study is employed the volumetric approach, the calculation consists of five processes.

1. Determining the total weight of the tree
2. Determining the dry weight of the tree
3. Determining the weight of carbon in the tree
4. Determining the weight of CO_2 sequestrated in the tree
5. Determining the weight of CO_2 sequestrated in the tree per year

Carbon sequestrated by each species of trees in the campus compound is given in the Table. Detailed calculation results are listed out in the tables provided in the technical supplements of 'Carbon sequestration'.

Observations:

Carbon Sequestration			
Session	2020-21	2021-22	2022-23
Total number of trees	**110**	**125**	**139**
Carbon sequestrated by trees in the campus (tCO2e)	**0.61**	**0.66**	**0.82**

Good daylight design and ventilation

Class rooms, laboratories, office, seminar hall etc. include high ceiling, wide windows and doors. These features help providing ample sunlight which in turn saves electricity. Also, cross ventilation in classrooms and offices are facilitated due to wider windows in parallel walls.

Air Quality Index- 93 (Quality Moderate)

The air quality is generally acceptable for most individuals. However, sensitive groups may experience minor to moderate symptoms from long-term exposure.

Current Air Pollutants	Air Quality Scale	Category
O3	22 (53 µg/m³)	Unhealthy
SO2	7 (7 µg/m³)	Excellent
PM10	105 (87 µg/m³)	Unhealthy
PM2.5	130 (48 µg/m³)	Excellent
NO2	23 (12 µg/m³ µ/gm³)	Fair
CO	3 (284 µg/m³)	Excellent

Source: www.accuweather.com (Place: Kalamb, Date: 23/10/2023)

Per capita carbon emission

Carbon Emission Profile

Carbon emissions in the campus due to the day-to-day activities are calculated and is discussed below. The emission factors considered for estimation and its units are given.

Emission Factors

Item	Factor	Unit
Electricity	0.00079	tCo2e/kWh
LPG	0.0015	tCo2e/kg
Food Waste	0.00063	tCo2e/kg
Paper Waste	0.00056	tCo2e/kg
Plastic Waste	0.00034	tCo2e/kg

Carbon Foot Print

(Refer the charts of Degradable waste generation and Solid non-degradable waste generation)

Sr. No.	Particulars	2020-21	tCO2e	2021-22	tCO2e	2022-23	tCO2e
1	Electricity (kWh)	1306	1.03	2193	1.73	4826	3.81
2	LPG (kg)	14.2	0.02	28.4	0.04	28.4	0.04
3	Degradable Waste in kg/yr.	2328.7	2.16	1569.5	1.99	2022.1	2.09
4	Paper Waste in kg/yr	62.77	0.04	59.39	0.04	61.47	0.04
5	Plastic Waste in kg/yr	35.61	0.04	33.66	0.04	34.83	0.04

Noise Level Analysis

The sound quality in a work place is very important and affects the productivity of the candidates, in this case of students and college staffs. As per Indian standards the desirable noise pollution for educational institutions and hospitals in daytime is 50 dbA.

Loudness is the strength of sensation of sound perceived by the individual. It is measured in units of Decibels. includes: Just audible sound is about 10 dB, a whisper about 20 dB, library place 30 dB, normal conversation about 35-60 dB, heavy street traffic 60-100 dB, boiler factories 120 dB, jet planes during take-off is about 150 dB, rocket engine about 180 dB. The loudest sound a person can stand without much discomfort is about 80 dB. Sounds beyond 80 dB can be safely regarded as Pollutant as it harms hearing system. The WHO has fixed 45 dB as the safe noise level for a city. For international standards a noise level up to 65 dB is considered tolerate. Loudness is also expressed in sones. One sone equals the loudness of 40 dB sound pressure at 1000 Hz. Frequency is defined as the number of vibrations per second. It is denoted as Hertz (Hz).

Noise Test Methods

In this report, Sound Meter (a noise measuring app) has been used to measure the noise level at various location of the college campus. Sound Meter detects any noise, music or sound of its surroundings. The measured data can be analysed to have maximum, minimum and average sound level at the locations considered.

Measurement and observations

The noise level was recorded by Sound Meter at various locations of Indira Mahavidyalya. At each spot, the measurements were taken for 60 seconds during daytime (6 AM- 6 PM). Screen shots of the measurements of noise were taken immediately on the app at the time of 60th second of each measurement.

The noise level is found increased during peak hours of rush, mostly at lectures and or practical time. It is below the minimum level during morning and evening time, beyond the duty hours of teaching and non-teaching staff.

Measurement of Noise in and around Indira Mahavidyalaya

Place	Measurement (Duration in second)	Minimum (dBA)	Maximum (dBA)	Average (dBA)
College Entrance Gate	60	64	85	74
Principal Office	60	45	81	63
College Office	60	58	80	69
Staff Room	60	54	74	64
Computer Lab	60	45	81	63
Near Economics Dept.	60	46	80	63
Near English Dept.	60	60	72	66
Library	60	58	81	69
Gymnasium	60	55	66	60
Near Geography Dept.	60	58	80	69
Near Zoology Dept.	60	50	68	59
Near Chemistry Lab	60	60	70	65
Play Grounds	60	56	74	59
College Canteen	63	72	66	69
Seminar Hall	59	85	63	74
1st Floor	60	64	79	70
2nd Floor	60	45	81	63
Outside the Campus	60	67	89	78

Recommendations:

To reduce noise pollution -

- Plant more trees as sound barriers.
- Use soundproof curtains in office, IQAC room and Principal cabin.
- Limit noisy activities.
- Educate and raise awareness.
- Avoid the use of loud speakers if not necessary.

Waste Audit

Waste Generation

This indicator addresses waste production and disposal of different wastes like paper, food, plastic, biodegradable, construction, glass, dust etc. and recycling. Furthermore, solid waste often includes wasted material resources that could otherwise be channelled into better service through recycling, repair, and reuse. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus.

The way communities generate and manage their waste plays an absolutely key role in their ability to use resources efficiently. All buildings contain bins for both general waste and mixed recyclables (plastic bottles, card, cans and paper). On average each floor in the buildings areas has its own general waste bin and one recycling bin. When the bins are emptied by the cleaning staff.

Cement constructed and fibre/plastic bins are marked and kept at different places, however in some locations throughout the building it was unclear which bins were for which waste streams. There are four basic ways in which campus can do plastic recycling collection services for plastic bottles and containers – curb side, drop-off, buy-back or deposit/refund programs. The first, and most widely accessible, collection method is curb side collection of recyclables. The campus is installed bins to collect plastic bottles and single use plastics. College staff have given a proper awareness on plastic waste problems and they are discouraging the students teachers to carry plastics to the campus. The Garden Committee is very active in the campus and do a verity of programs to build awareness on waste management. The reports on different activities of the club are attached as technical supplement of this report.

The major concern of waste management will be focused on the solid waste produced by the campus. Solid wastes produced in the campus are mainly of three types, food waste, paper waste, and plastic waste. Food wastes produced in the campus by canteen and by the students and staff after the consumption of meals.

Solid Waste Management

Aims: 1) Scientific disposal of solid waste.
2) Protection of human health and environment.

Objectives: 1) To increase recycling level
2) To reduce organic waste in landfills
3) To control air, water, soil pollution
4) Production of green manure and vermicompost.

Activity:

Solid waste is separated as **dry** and **wet**. Dry waste includes plastic, glass, paper, metals, wood and related product. Wet waste typically refers to organic waste usually generated as canteen waste, plant debries.

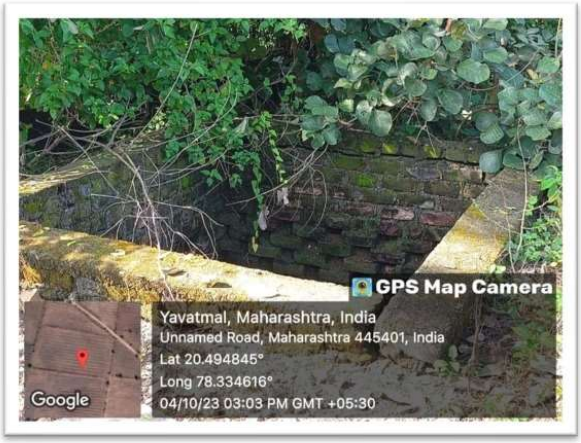
Dry waste is separated and it is given for its resue and recycling to the recycler agency to avoid the pollution.

Wet waste is also known as **organic** waste. It is obtain from canteen, fallen Leaves, litter, ort, trash etc. produce in this campus if it is not disposed properly it creates air pollution, to avoid this we have implemented solid organic waste management activity, we run it at two level **one** is decomposition of solid waste through the composting in pit, vermicompost form solid organic waste and **second** is training to the students, farmers about production of organic manure like vermicompost, production of mushroom from the solid organic agricultural waste which ultimately conversion of Best from Waste, further the best biofertilizer is used for plants of college campus which enhances greenery leads environment clean and fresh.

Vermicompost Unit

The solid waste comes from garden, canteen, office produce a wide range of organic wastes, such as straw, leaves, stalks, weeds, vegetable wastes, processed food and paper. College has constructed chamber for vermicomposting.

College is using the earthworms for vermicomposting. Earthworms are used to manage all these agricultural wastes, earthworms convert this waste into humus or manure or 'Vermicompost' or worm castings, which is a nutrient-rich and biologically beneficial soil product. Vermicompost enhances plant growth, suppresses disease in plants, increases porosity and microbial activity in soil, and improves water retention and aeration. Vermicompost also benefits the environment by reducing the need for chemical fertilizers and decreasing the amount of waste going to landfills. Vermicompost contains 2 times more magnesium, 15 times more nitrogen, and 7 times more potassium compared with the surrounding soil.



Observations:

Burning plastic and other wastes releases dangerous substances such as heavy metals, Persistent Organic Pollutants, and other toxics into the air and ash waste residues. Such pollutants contribute to the development of asthma, cancer, endocrine disruption, and the global burden of disease. So, burning plastics shall be strictly restricted inside the campus.

The total solid waste collected in the campus is approximately 7 Kg/day. Waste generation from tree droppings is a major solid waste generated in the campus. The waste is segregated at source by providing separate dustbins for Bio-degradable and Plastic waste. Segregation of chemical waste generated in chemistry and zoology laboratories is also practiced. Single sided used papers reused for writing and printing in all departments. Important and confidential reports/ papers are sent for pulping and recycling after completion of their preservation period. Very less plastic waste (0.19 Kg/day) is generated, but it is neither categorized at point source nor sent for recycling. Metal waste and wooden waste is stored and given to authorized scrap agents for further processing. Few glass bottles are reused in the laboratories. The food waste from canteen is used or sent for vermicomposting.

The institute has adopted vermiculture composting in culture pit. The main purpose of this is to reduce disposable waste in the college campus. After complete process of vermicomposting, it is used as manure in the garden.

Recommendations:

- Reduce the absolute amount of waste that it produces from college staff offices.
- Make full use of all recycling facilities provided by Nagar Panchayat and private suppliers, including glass, cans, white, coloured and brown paper, plastic bottles, batteries, print cartridges, cardboard and furniture.
- Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated.
- Single sided papers to be used for writing and photocopy.
- Important and confidential papers after their validity to be sent for pulping.
- Try to avoid use of plastic bottles for drinking water.

Sewage Waste Management

Aims: 1) Scientific disposal of Sewage.
2) Provide solution to maintain health and hygiene.

Objectives:

1) Minimization of air and water pollution
2) Reuse of drainage water.
3) To fulfil the requirement of water for gardening.
4) To minimize expenses on water for gardening.

Activity / Observations:

Population includes students, staff, and stakeholders creates waste water daily. A pond constructed near well and connected by rain water pipes, waste water canals or pipes. It minimizes the air and water pollution. This procedure benefited for garden. There is no filtration process for sewage water.

Recommendations:

- If planned, then during water filtration process, ensure that the equipment used are regularly serviced and the wastage of water is not below the industry average.
- Cleaning of underground pipes is to be done regularly.

E-Waste Generation

E-Waste is a term used to cover items of all types of electrical and electronic equipment (EEE). E-waste can be described as consumer and business electronic equipment that is near or at the end of its useful life. This makes up about 2.5% of all solid waste, but is much more hazardous than other waste because electronic components contain cadmium, lead, mercury, and Polychlorinated biphenyls (PCBs) that can damage human health and the environment.

Items and their toxic components

Sr. No.	Item	Components
1	Refrigerator, AC	CFC/HC/Rubber
2	PC and laptops	CRT, fluorescent lamp, copper
3	Television	Metal, CRT, plastic, BRF
4	Computer batteries	Cadmium
5	Capacitor and transformer	PBC
6	Printed circuit board	Lead and cadmium
7	Cathod ray tubes	Lead oxide and Cd
8	Switches and flat scree Monitor	Mercury

Observations:

E-waste generated in the campus is very less in quantity. The cartridges of laser printers are refilled outside the college campus. Administration conducts the awareness programmes regarding E-waste Management with the help of various departments. The E-waste and defective item from computer laboratory are being stored properly. The institution has decided to contact approved E-waste management. The college should not forget that if it is not disposed off properly it can result in various problems in form of pollution, which can be air pollution, water pollution etc.

Recommendations:

- Recycle or safely dispose of white goods, computers and electrical appliances.
- Use reusable resources and containers and avoid unnecessary packaging where possible.
- Always purchase recycled resources where these are both suitable and available.

Waste Generation Charts

(Connected to Carbon Foot Print Chart)

Degradable Waste Generation

Session	2020-21	2021-22	2022-23
Total Occupancy	1319	1215	1277
Waste generated in kg /day	6.38	4.30	5.54
Waste generated in kg /Yr	2328.7	1569.5	2022.1

Non-Degradable waste

Solid non-degradable waste generation

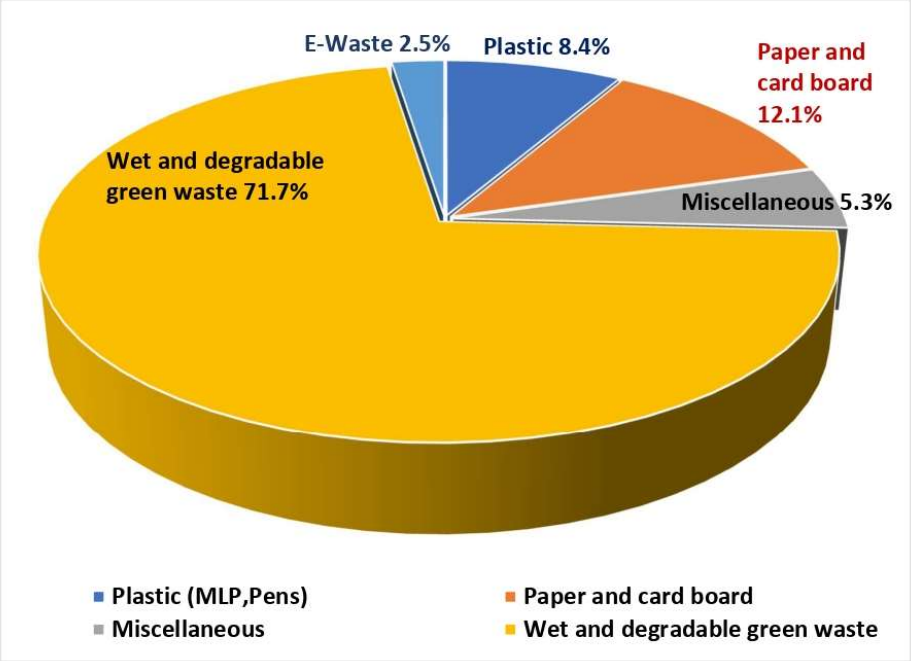
Session	2020-21	2021-22	2022-23
Total Occupancy	1319	1215	1277
Waste paper generated in kg /day (0.25g/p)	0.329	0.303	0.319
Waste plastic generated in kg /day (0.15g/p)	0.197	0.182	0.191
Waste paper generated in kg /Yr (130d)	42.77	39.39	41.47
Waste plastic generated in kg /Yr (130d)	25.61	23.66	24.83
Waste paper generated by office in kg /Yr	20	20	20
Waste plastic generated by office in kg /Yr	10	10	10

Score Card

Sr. No.	CHECKLIST QUESTIONS	OBSERVATIONS	SCORE Max. 100
1	Are there enough number of dustbins provided at various locations? If yes, specify the locations.	Yes. Most of the classroom, laboratories, and premises had a dustbin and each floor had large common bins in which the entire waste of floor was collected.	8
2	Whether the waste is being segregated into different categories or not?	Based on their biological, physical, and chemical properties, wastes are classified into several categories, but there is a need of proper disposal.	7
3	What type of waste was observed throughout the process?	Plastic (MLP, Pens), Paper, Wet Waste, Miscellaneous. Please refer to pie chart below.	8
4	Are there visible signs to encourage recycling, save paper?	Yes. The office and staff have been using the blank sides of already used or printed paper, thus reusing the waste papers. Staff is using soft copy at most level instead of hard copy.	7
5	The methods of disposal of dry waste?	Bottles, cans, plastic, glass, metals, paper and cardboards given to local vendors.	7

6	How do you dispose unwanted electronic equipment, cables, hardwares?	Depending upon the condition they are given to local vendors or in scrap.	5
7	Are there any measures to recycle or dispose wet waste/bio-degradable waste?	Different biodegradable waste is being dumped in a pit, but there is no specific provision for treatment and disposal of wet waste or biodegradable waste.	5
8	What is the provision for compostable organic waste?	There is a pit for decomposing plant and food waste, recycling organic materials, and manure. The resulting mixture is used as plant nutrients.	7
9	What are the recycling efforts taken by institute?	Only decomposing plant and food waste, recycling is there.	3
10	What is the provision to dispose of laboratory waste and culture?	Solid waste is being packaged safely in sturdy bags. Bulk liquids are collected in containers, decontaminated, and then safely discharged into the sewer system. Also, there is a GI pipe connected for this in Chemistry laboratory.	6
		Marks obtained	**63**

Different types of waste and their proportion



Findings of Waste management:

The college campus was generally found to be clean during the audit period. Due to dustbins placed at various sources of waste generation, there was no waste seen inside the building or the premises. Most of the dry waste like paper, cardboard and the electronic waste is stored and handed over to a vendor/scrap dealer which is a good practice. However, the biological waste, that is food waste from the canteen and from the tiffin of staff members is sometimes being disposed off in the constructed cement bins of the college. It eventually gets mixed with other waste and it ultimately results in foul smell and pollutes the environment.

Recommendations:

- Waste must be properly segregated to make sure that the dry and wet waste are not mixed.
- Since wet waste can be subjected to composting (Either Vermicompost or Bio compost), we strongly recommend that the college authorities should make proper monitoring and maintenance of vermi or bio composting unit within the premises.
- This will not only result in the production of good quality compost but also will reduce the hazards of pollution from the community. This can also become a role model for the entire community around the college campus.

Water Audit

Water Use

This indicator addresses water consumption, water sources, irrigation, storm water, appliances and fixtures. A water audit is an on-site survey and assessment to determine the water use and hence improving the efficiency of it use.

Drinking Water Analysis

The drinking water facility in a college is one of the basic ones. College has sufficient supply of drinking water to the students and college staff through a modern technology enabled water purifier in the college premise. This machine is also equipped to provide cold drinking water. Purified water is considered to be very effective one in this severely affected area with Arsenic contamination.

Observations:

The study observed that 2 Wells out of 3 are the major sources of water. Water is used for drinking purpose, canteen, toilets, laboratory and gardening. During the survey, no loss of water is observed, neither more leakages, nor by over flow of water from overhead tanks. The data collected from all the departments is examined and verified. On an average the total use of water in the college is 6000 L/day, which include 1500 L/day for domestic purposes, 3000 L/day for gardening and 1500 L/day for different laboratories. Two rain water harvesting units are also functional for storing and reuse.

College made a beautiful pond for collection of rain water and waste water and a canal for collection of water going waste during rainy season from outside of the campus. This is one of the unique steps towards greening practices.

Data collected from all the sources where faucets are fitted indicate that water is being used judiciously by the occupants of the college premises. Hardly any tap was found to be leaking. So, the water wastage is minimal although there are no specific measures adopted by college authorities for water conservation. Overall water consumption pattern is found to be satisfactory.

Recommendations:

- Need of monitoring, controlling overflow is essential and periodically supervision drills should be arranged. In campus small scale/medium scale/ large scale reuse and recycle of water system is necessary.
- Minimize wastage of water and use of electricity during water filtration process, if used, such as aqua guard filtration process as well as extreme use of water coolers and ensure that the equipment's used for such usage are regularly serviced and the wastage of water is not below the industry average for such equipment's used in similar capacity.
- Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e., are biodegradable and non-toxic, even where this exceeds the Control of Substances Hazardous to Health (COSHH) regulations.

Rain water harvesting

The rain water harvesting is simple collection or storing of water through scientific techniques from the areas where the rain falls. It involves utilization of rain water for the domestic or agricultural purpose. The method of rain water harvesting has been into practice since ancient times. It is as far the best possible way to conserve water awaken the society towards the importance of water. The method is simple and cost effective too.

Aims and Objectives:

Aims: 1) Conservation of fresh water.
2) Increase the ground water level.

Objectives:

1) To arrest ground water decline and augment ground water.
2) To conserve surface water runoff during monsoon.
3)To reduce soil erosion.

Activity / Observations:

Rain Water is primary source of fresh water. The rainwater harvesting is through the pipelines connected from roof top to pond. It resulted in to increase of water level. The college has a canal that collects water flowing from outside the campus during the rainy season, which benefits the garden. Rain water is collected every year from roof of the building in cans and after filtration it is used as distilled water for science laboratories.

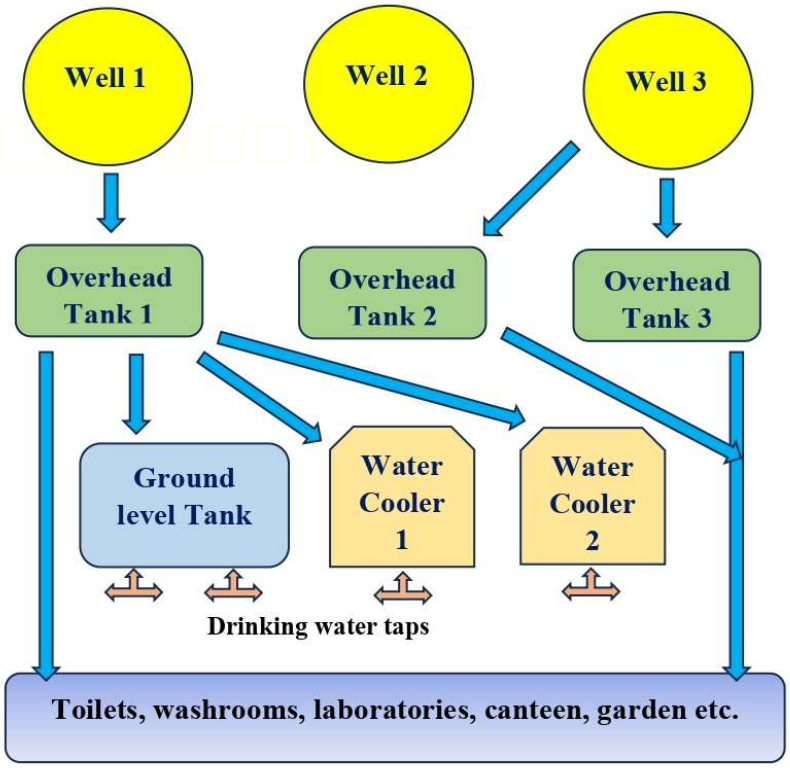
Recommendations:

- Increase the Pits for rain water harvesting.
- Pond or water reservoir is to be cleaned regularly.
- All the pipes of rain water harvesting from roof to reservoir must me properly maintained.

Score Card

Sr. No.	Checklist Questions	Observations	Score Max. 100
1	Sources of water to meet the daily need?	There are 3 wells in campus from which college get hard water. Out of that one well in not in use. The drinking water is taken from overhead tank as well as a drinking water tank through aqua guard filter connected to 2 water coolers.	9
2	How is the water distributed?	The water is taken from two wells by motor to the 3 different overhead tanks and 1 is at ground level. Then it flows through different taps which are in use to toilets, washrooms, laboratories, canteen, garden as well as drinking water tank through water coolers.	8
3	How many tanks are there to store the water? and what is there capacity?	There are 4 tanks to store water. One is at the Ground and the other 3 are at the top. Total Capacity is 15,000 litres.	8
4	How many taps are there in total in survey area?	There is total 67 taps out of which 2 are not working.	7
5	Were there any leakages seen?	Yes. Out of 67 only 4 taps had leakages.	7
6	Were there any water saving devices on sink, toilet taps?	No, but few taps are pushing pattern so water is being saved.	3
7	Are there any sensors fitted on tanks to prevent overflow?	No, but the overflow water comes to rain water harvesting pipes and collected in pond to minimise the waste.	3
8	Are there any provisions for Rainwater harvesting?	Yes. Water is collected in a pond near well through pipes connected from roof of each building. There is a small canal near garden made by college to collect rain water running outside of premises during rainy season.	8
9	What provision is there for drinking water for teaching, non-teaching staff, students and visitors?	Teachers carry their water bottles. Non-teaching staff and students use water coolers fitted with aqua guard and a drinking water tank. Visitors are supplied sealed mineral water bottles or filtered water cans.	7
10	What provision is there for regular supply of water to garden and plants?	There are pipelines connected from overhead tank to garden. Water supplied manually by non-teaching staff to other plants in earthen vessels or Gamla.	8
		Marks obtained	**68**

Flow chart of water supply



Overall Recommendations

Green audit is one of the important tools to check the balance between natural resources and its judicial use. Green auditing is the process of identifying determination of institutional practices eco-friendly / sustainable or not. Indira Mahavidyalaya has conducted a 'Green audit' to check green practices and prepared a well-defined audit report to understand whether this institution is on the way of sustainable development.

After reviewing the above green status of college green audit team suggests the following points:

1. Implement a utility monitoring program.
   - Allocate staff to carry out readings for waste and water on regular basis.
   - Add monitoring data to spreadsheet so results can be viewed graphically.
2. Consider adopting and implementing a sustainable procurement policy which takes into account the whole life cycle of a product, and make sure environmental issues are written into tenders when contracting out.

3. Consider trailing recycled paper again – many recycled brands today, are just as good as virgin paper.
4. Trial the use of re-manufactured (i.e. refilled) ink and toner cartridges rather than purchasing new ones.
5. Consider producing some designated 'environmental' pages on the intranet to make it easier for staff to find environmental information. If possible, a discussion forum could be set up to allow easy internal communications and staff to make suggestions for environmental improvements.
6. Environmental training could be formalized and carried out for all staff. It does not have to be too long or onerous, providing it covers key points, particularly in relation to waste so all staff are aware of the legal requirements. At the very least, environmental information should be included in the induction pack.
7. It is strongly recommended that environmental information is also given to students and staff during induction. It is particularly important for them to be aware of what waste they can dispose on site and where they can dispose of it, and what waste streams they must take away with them.
8. Consider implementing an environmental management system to incorporate all improvements and monitoring requirements. It does not need to be a complex system certified to any particular standard, merely a way of ensuring that baselines are set and progress is measured. Formation of Environment Policy and communicated to all faculties and other staff.
9. Plan for Zero Waste Campus Project.
10. E-waste monthly inventory be maintained at campus.
11. Increase in Environmental promotional activities for spreading awareness at campus.
12. Increase the number of plants/trees in college campus and field area.
13. Install waste management system and college campus should be totally plastic free.
14. Install roof solar panels.

Conclusion

Considering the fact that the institution is predominantly an undergraduate and postgraduate college, there is significant environmental research both by faculty and students. The environmental awareness initiatives are substantial. The paperless work system and vermicomposting practices are noteworthy.
Besides, environmental awareness programmes initiated by the administration shows how the campus is going green. Few recommendations are added to curb the menace of waste management using ecofriendly and scientific techniques. This may lead to the prosperous future in context of Green Campus & thus sustainable environment and community development.
As part of green audit of campus, we carried out the environmental monitoring of campus includes Illumination, Noise level, Ventilation and Indoor Air quality of the class room. It was observed that Illumination and Ventilation is adequate considering natural light and air velocity present. Noise level in the campus well within the limit i.e. below 65 dB.
This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to Environmental aspects. The audit has identified several observations for making the campus premise more environmentally friendly. The recommendations are also mentioned with observations for the team to initiate actions.

However, there is scope for further improvement, particularly in relation to waste minimization and energy monitoring. By implementing a basic environmental management system, current good practice can be formalized and a framework can be set up for monitoring, implementation of action plans and continual improvement.

The audit team observed that the overall site is maintained well from environmental perspective. There are no major observations but few things are important to initiate urgently are waste management records of hazardous waste, rainwater harvesting recharge; water balance cycle and periodic inspection of buildings; environment policy and initiation of composting at campus.

We are grateful to trustees of Dr. Yeshwant Moreshwar Donde Sarwajanik Shaikshanik Trust, Kalamb to award this prestigious project and allowed us to enter the new era of Green Audit Green audit in the College Campus. Further we sincerely thank to Principal Dr. Pavan Mandavkar, the staff members and students of Indira Mahavidyalaya for providing us necessary facilities and co-operation during the audit. This helped us in making the audit, a success. Further we hope, this will boost the new generation to take care of Environment and propagate these views for many generations to come.

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Date: 30/10/2023

GREEN ENERGY SOLUTIONS ★ AGENCY CODE-MAH4211 ★

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Certificates of the Awards Received from Recognized Agency

Institution Received for Best Green Campus Award 2022-23 by Nature Foundation of Vidarbha

Nature Foundation of Vidarbha

Seminary Hills, Near Raj Bhavan, Nagpur

Email: naturevidarbha@gmail.com

BEST GREEN CAMPUS AWARD 2022-23

This is to certify that Indira Mahavidyalaya, Kalamb, Dist. Yavatmal of Maharashtra state has participated in State Level Green Campus Award Competition and has been honoured with 5th Rank of Best Green Campus in Senior College Category in the session 2022-23. This award has been awarded for maintaining the campus greenish and offering an eco-friendly environment to the stakeholders.

(R.R. Deshmukh)
Secretary

(Gautami Patil)
Chairman

Date: 23rd March, 2023

Co-ordinator
IQAC
Indira Mahavidyalaya
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

Institution Received State Level Mazi Vasundhara Award in the Year 2022 by Environment and Climate Change Department, Government of Maharashtra

Co-ordinator
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Indira Mahavidyalaya
Kalamb

PRINCIPAL
Indira Mahavidyalaya
Kalamb Dist.Yavatmal

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Institution Received Certificate of Appreciation for Best Green Campus in 2022 by Yavatmal Nature Lovers Club