

NATURE CLUBS DIVERSIFIED ACTIVITIES WITH NSS

WASTE MANAGEMENT OF BBKM

Introduction:

Biodegradable and Non-biodegradable waste

Waste can be defined as discarded and useless materials which do not possess any value. Biodegradable waste- Biodegradable waste is a type of waste, typically originating from plant or animal sources, which may be degraded by other living organisms.

Biodegradable waste can be commonly found of our institution are-

- Green waste
- Food waste
- Paper waste
- Biodegradable plastics
- Fruit and vegetable peels
- Food scraps
- Paper products (newspaper, cardboard)
- Pet waste
- Tea bags.
- Yard trimmings (grass, leaves, etc.) &
- Plant- based fabrics (cotton, linen) etc.

Non- Biodegradable waste- Non-Biodegradable waste, on the other hand, refers to materials that do not break down naturally and persists in the environment for an extended period.

These materials take hundreds of years or even more to decompose naturally.

Here is some example of Non-Biodegradable waste of our institution are-

- Plastic bags and wrappers
- Glass bottle, water bottle and jars
- Metal can and containers
- Aluminum foil
- Disposable diapers and sanitary pads
- Synthetic fabrics (Polyester, nylon)
- Styrofoam containers
- Medical waste
- Poisonous chemicals
- Batteries etc.

Management of these types of degradable and Non-biodegradable waste of our institution has been totally handled by NSS and Green Club volunteers with assistance of SRIPUR -BALAGARH GRAM PANCHAYET since 2019 This College signed a MOU the SRIPUR -BALAGARH GRAM PANCHAYET by MOU signed in 2019. They collect wastes of this college twice in a week. But in case of summer recess, puja vacation once in a week. Later it has been renewed in 23.08.23 further period.

Request for Waste Collection Services to Sripur-Balagarh Gram Panchayet



BALAGARH BIJOY KRISHNA MAHAVIDYALAYA
Hasimpur, Balagarh,
Hooghly-712501
West Bengal

Mobile: +918670272229
Email : bbkm_hooghly@gmail.com
Website : <https://www.bbkm.ac.in>

Date – 05/08/2019

To,

The Panchayat Pradhan,

SripurBalagarh Gram Panchayat,

Sripur Bazar, Hooghly, PIN-712514,

Subject: **Request for Waste Collection Services**

Dear Madam/Sir,

I am writing to bring to your attention the waste management concerns at our institution, Balagarh Bijoy Krishna Mahavidyalaya. As the Principal of the college, I am deeply committed to ensuring a clean and hygienic environment for our students, staff, and faculty.

Unfortunately, we have been facing challenges in managing the waste and garbage generated on our campus effectively. With a large number of students and staff members, the accumulation of waste has become a pressing issue, posing health risks and environmental hazards. Despite our efforts to implement waste segregation and disposal measures, we are unable to address the issue comprehensively.

In light of the above, I would like to request the assistance of SripurBalagarh Gram Panchayat in providing waste collection services to our college premises. It would be immensely helpful if your esteemed organization could arrange for the collection of waste and garbage from our campus twice a week. Timely and regular waste collection will not only alleviate the burden on our institution but also contribute to maintaining cleanliness and sanitation in our locality.

I assure you that Balagarh Bijoy Krishna Mahavidyalaya is committed to cooperating fully with SripurBalagarh Gram Panchayat and adhering to all guidelines and protocols for waste management and disposal.

Thank you for your attention to this matter. I look forward to a positive response from your end.

Yours sincerely,

*Received
Amphitomania
5/08/19*

Pratap Banerjee
5/8/19
Dr. Pratap Banerjee

Principal

Dr. Pratap Banerjee
Principal
Balagarh Bijoy Krishna Mahavidyalaya
Balagarh, Hooghly - 712501

Response from Sripur-Balagarh Gram Panchyat to College

Date – 08/08/2019

To,

The Principal,

Balagarh Bijoy Krishna Mahavidyalaya,

P.O. – Balagarh, Dist. – Hooghly, West Bengal, PIN – 712501,

Subject: Response to Request for Waste Collection Services

Dear Sir,

We acknowledge the receipt of your letter dated 05/08/2019, wherein you have expressed the need for waste collection services at Balagarh Bijoy Krishna Mahavidyalaya. We appreciate your proactive approach towards addressing waste management concerns and ensuring a clean and hygienic environment for your college community.

We are pleased to inform you that Sripur Balagarh Gram Panchayat is committed to supporting educational institutions like yours in waste management initiatives. In response to your request, we will arrange for the collection of waste and garbage from your college premises twice a week, as per your convenience.

Our dedicated team will ensure the timely and efficient collection of waste, adhering to all safety and environmental standards. We encourage your cooperation in segregating waste and following the guidelines provided for effective waste management.

We believe that this collaboration will not only benefit Balagarh Bijoy Krishna Mahavidyalaya but also contribute to promoting cleanliness and sustainability in our locality.

Best regards,



Anup Pramanik

Sripur Balagarh Gram Panchayat

Supervisor,

Solid Waste Management,

Sripur Balagarh Gram Panchayat

Balagarh, Hooghly

Notice to the faculty member, staff & students for waste disposal



BALAGARH BIJOY KRISHNA MAHAVIDYALAYA
Hasimpur, Balagarh,
Hooghly-712501
West Bengal

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Website : <https://www.bbkm.ac.in>

Date -09.07.2019

Circular

Subject: **Management of Degradable and Non-Degradable Waste in the College Campus**

Dear Faculty, Staff, and Students,

As a responsible institution committed to environmental sustainability, it is imperative for us to address the management of waste effectively within our college campus. With the increasing concerns about environmental pollution and its adverse effects, it is crucial that we take proactive measures to manage both degradable and non-degradable waste responsibly. Degradable waste, such as organic matter, paper, and food waste, can be broken down naturally by biological processes. On the other hand, non-degradable waste, including plastics, metals, and glass, persist in the environment for extended periods, posing serious threats to ecosystems and human health if not managed properly.

In order to streamline the management of both types of waste on our campus, we are implementing the following measures:

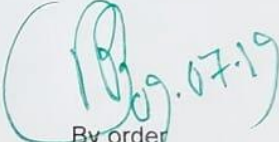
1. **Segregation:** Students are requested to segregate waste at the source into separate bins designated for degradable and non-degradable waste. Properly labeled bins will be placed at strategic locations across the campus for convenient disposal.
2. **Awareness Campaigns:** Students are requested to participate in regular awareness campaigns and workshops about the importance of waste segregation, recycling, and composting.
3. **Collaboration:** The College will collaborate with local authorities, waste management agencies, and environmental organizations to implement best practices in waste management and explore innovative solutions for waste reduction and recycling.

It is imperative that each member of our college community actively participates in these initiatives to ensure their success. By adopting responsible waste management practices, we can significantly reduce our environmental footprint and contribute to the preservation of our planet for future generations.

Let us join hands in making our college campus a model of environmental stewardship and sustainability.

Thank you for your cooperation and commitment to this important cause.

Sincerely,


By order
Principal

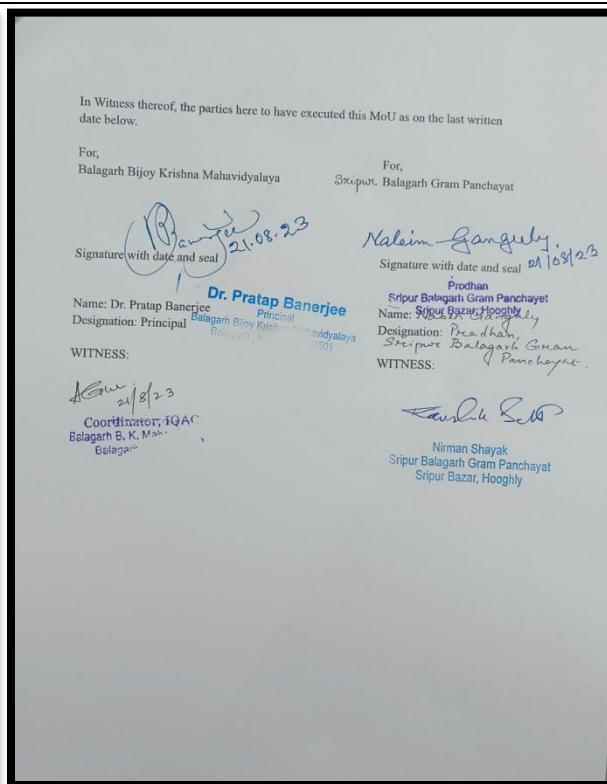
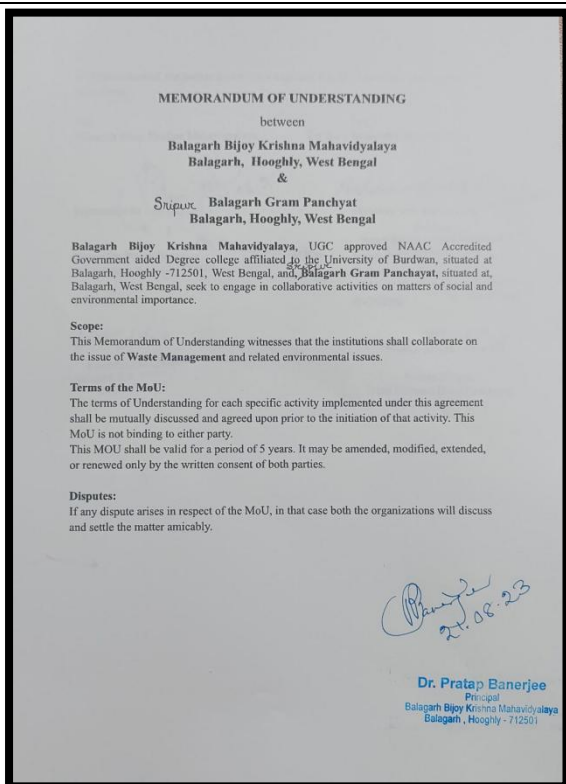
Principal
Balagarh B. K. Mahavidyalaya
Balagarh, Hooghly, W.B.

They collect these wastes twice a week from our college but they disposed those wastes in their Waste Processing Unit In Sripur-Balagarh. (Below)



BALAGARH SRIPUR WASTAGE SEGREGATION CENTRE (TOP)

Renewal of Mou with Sripur-Balagarh Gram Panchayet for waste management in the year 2023



WASTE MANAGEMENT CENTRE IN SRIPUR-BALAGARH

Importance of Waste Management in any educational Institution: □ Deterioration of environmental status can be occurred due to the unavailability of proper waste management practices. □ A waste management audit helps one educational institute to be better prepared to efficiently and responsibly disposes of the waste that it generates every day. □ By designing a more efficient waste disposal program through a waste audit, we can enhance recycling practices. □ Improved resource efficiency □ Improved environmental performance

Encourage students to invest in a reusable water bottle and refill them at campus water stations. Many college campuses have composting programs in place, but not all students may be aware of them. Encourage students to compost food waste, such as fruit and vegetable scraps, instead of throwing them in the trash.



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Website : <https://www.bbkm.ac.in>

Date – 07/08/2023

Certificate of Waste Collection Services

This is to certify that **SripurBalagarh Gram Panchayat** has been diligently providing waste collection services to Balagarh Bijoy Krishna Mahavidyalaya twice a week since 2019 to 2023. Their long term dedicated efforts have significantly contributed to maintaining cleanliness and hygiene on the college premises.

The waste collection services rendered by SripurBalagarh Gram Panchayat include the collection and disposal of both biodegradable and non-biodegradable waste generated by the college community. The SripurBalagarh Gram Panchayat has a waste-management and processing facility where organic manure is manufactured in their plant. Their timely and efficient operations have ensured the proper management of waste, thereby promoting a healthy environment for learning and activities at Balagarh Bijoy Krishna Mahavidyalaya. As waste management has been done as per the guidelines of **West Bengal Pollution Control Board**, so we are very thankful to this organisation.


Dr. Pratap Banerjee

Principal

Balagarh Bijoy Krishna Mahavidyalaya

Dr. Pratap Banerjee

Principal

Balagarh Bijoy Krishna Mahavidyalaya
Balagarh, Hooghly - 712501

Water Conservation & Rain Water Harvesting in BBKM



BALAGARH BIJOY KRISHNA MAHAVIDYALAYA
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Hooghly-712501
West Bengal

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Website : <https://www.bbkm.ac.in>

Date -27/01/2023

Circular

Subject: Necessity of Water Conservation and Implementation of Water Misuse Prevention by NSS and Nature Club

Dear all,

Water is a precious resource essential for all forms of life, and its conservation is imperative for sustaining life on our planet. In light of the growing concerns regarding water scarcity and the urgent need for its conservation, it has become imperative for us to take immediate action to prevent its misuse and ensure its sustainable use.

To spearhead this initiative, we are pleased to announce that the National Service Scheme (NSS) and Nature Club will now actively participate in preventing the misuse of water. The NSS and Nature Club, with its widespread reach and enthusiastic volunteers, is well-positioned to create awareness and implement measures to conserve water effectively.

Effective immediately, our volunteers will engage in various activities aimed at promoting water conservation, including:

1. Implementing strategies to prevent water wastage in college campus.
2. Encouraging the adoption of water-efficient practices in the institution.

We urge all members of our institution to wholeheartedly support and actively participate in this noble cause. Let us join hands to safeguard our water resources and build a sustainable future for all.

Thank you for your attention and cooperation.

Sincerely,


By order

Principal

Balagarh Bijoy Krishna Mahavidyalaya

WATER MANAGEMENT

RAIN WATER HARVESTING PLAN IN BBKM

As the world faces an increasingly critical need to address climate change, the impact that water conservation has on a sustainable environment is undeniable. Groundwater is the primary source of freshwater that caters to the demand of ever-growing domestic, agrarian and industrial sectors of the country. Over the years, it has been observed that the necessity for the exploitation of groundwater resources for various everyday needs, like toileting, bathing, cleaning, and agriculture, and drinking water, industrial and ever-changing lifestyles with modernization is leading towards tremendous water wastage.

Though many technological devices are being developed to minimize the water wastage, the impact will be greater if every individual contributes to water conservation by minimizing or optimizing groundwater usage for daily activities. Today, water conservation at individual level has become very critical.

Our water resources are depleting each year. Additionally, we cannot generate artificial water and must depend on water sources available on our planet earth. Due to population boom and excessive need of water to suit our ever-expanding modern lifestyle, water scarcity is felt all over the world. This has given rise to major concerns over water conservation.

In this context, adopting rainwater harvesting and recharging groundwater is one of the simplest and best measures in conserving water globally. This practice has been undertaken by this college wisely and efficiently and is implemented over a time period in the beginning 2022. The system set-up is called the Rooftop Rainwater Harvesting. In this case, the rooftop of the College building is the catchment area that catches the rainwater, which is then diverted through down take pipes to the gutters in the ground. The gutters then divert the rainwater to the main pit where the bore is made.

The plant started its working under the initiative of the Hooghly Zila Parishad, Hooghly. The Plant has been running in deep association with nature committee. The ZP budgeted to fund one rainwater harvesting project in this college and following this, the cost of setting up of the project was sponsored by the hooghly ZP.

ADVANTAGES OF THE PROJECT

- To overcome the inadequacy of surface water to meet our demands within the campus and decrease dependence on ground water.
- To enhance availability of ground water and utilize rain water for sustainable development.
- To increase infiltration of rain water into the subsoil.
- To improve ground water quality by dilution.

RAIN WATER HARVESTINGSKET PLANS (Fig-1 & Fig-2) MADE AND IMPLEMENTED In 2022 BY HOOGHLY ZILA PARISAD

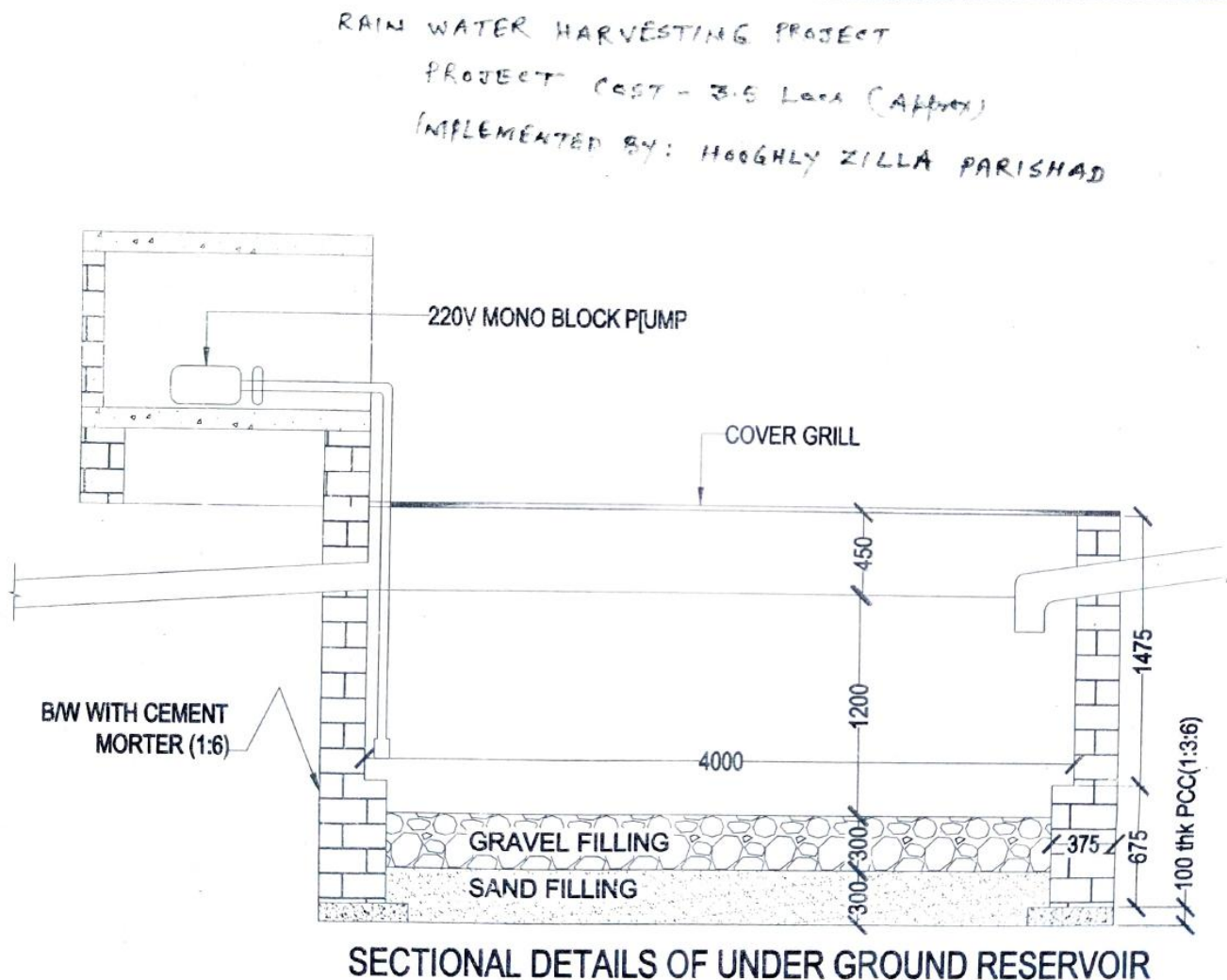
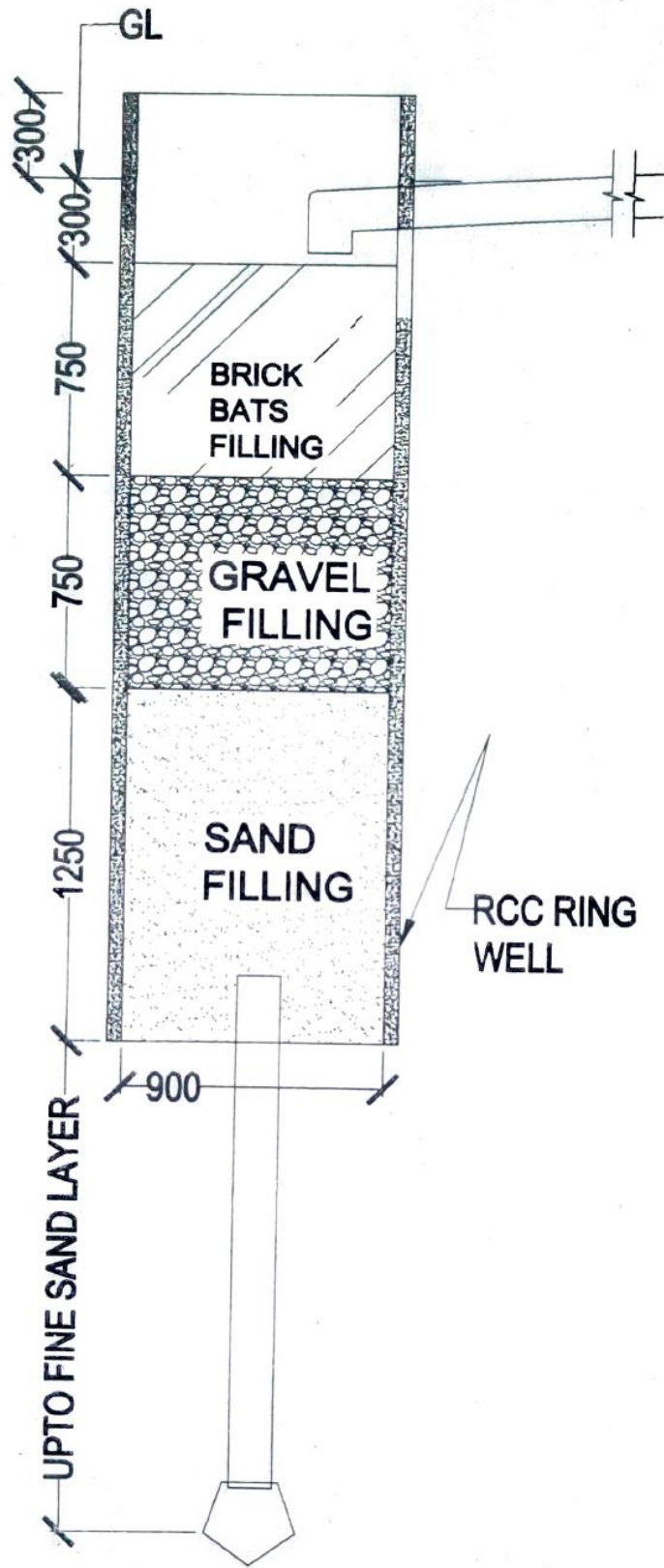


Figure 1



SECTIONAL DETAILS OF

Figure 2



Rain Water Harvesting which was done by this college from its own fund in the year 2022-23



Pipe Line Connection for Rain Water Harvesting in College Campus and pipelines come directly from the rooftop of Main Building of this college





Pipe Line Connection for Rain Water Harvesting in College Campus



Pipe Line Connection for Rain Water Harvesting in College Campus

BBKM organized a task force to check the water wastage of this college in a joint venture of

NSS and The Nature Club

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BALAGARH BIJOY KRISHNA MAHAVIDYALAYA

P. O. - BALAGARH • DIST. - HOOGHLY • WEST BENGAL - 712 501

NAAC ACCREDITED

Ref. No.

Date

From,

President / Principal / Teacher-in-charge

Date – 03/05/2024

Certificate

This certificate is awarded to the NSS and Nature Club Volunteers in recognition of their outstanding work in water preservation efforts at Balagarh Bijoy Krishna Mahavidyalaya.

The NSS and Nature Club have combinedly formed a special team named **“Biplobi Sunilkumar Mukhopadhyay Smriti Jol Rokkha Bahini”** to prevent water waste in college campus. Nearabout fifty volunteers are devotedly working in this noble mission. Their activity is being recorded in a separate register.

The NSS and Nature Club Volunteers have consistently demonstrated a deep commitment to conserving water resources. Their dedication has been evident in their efforts to raise awareness about the importance of water conservation among the college community. They have taken concrete steps to promote water preservation by encouraging students and staff to close all water taps when not in use.

In recognition of these commendable efforts, this certificate is presented as a token of appreciation.

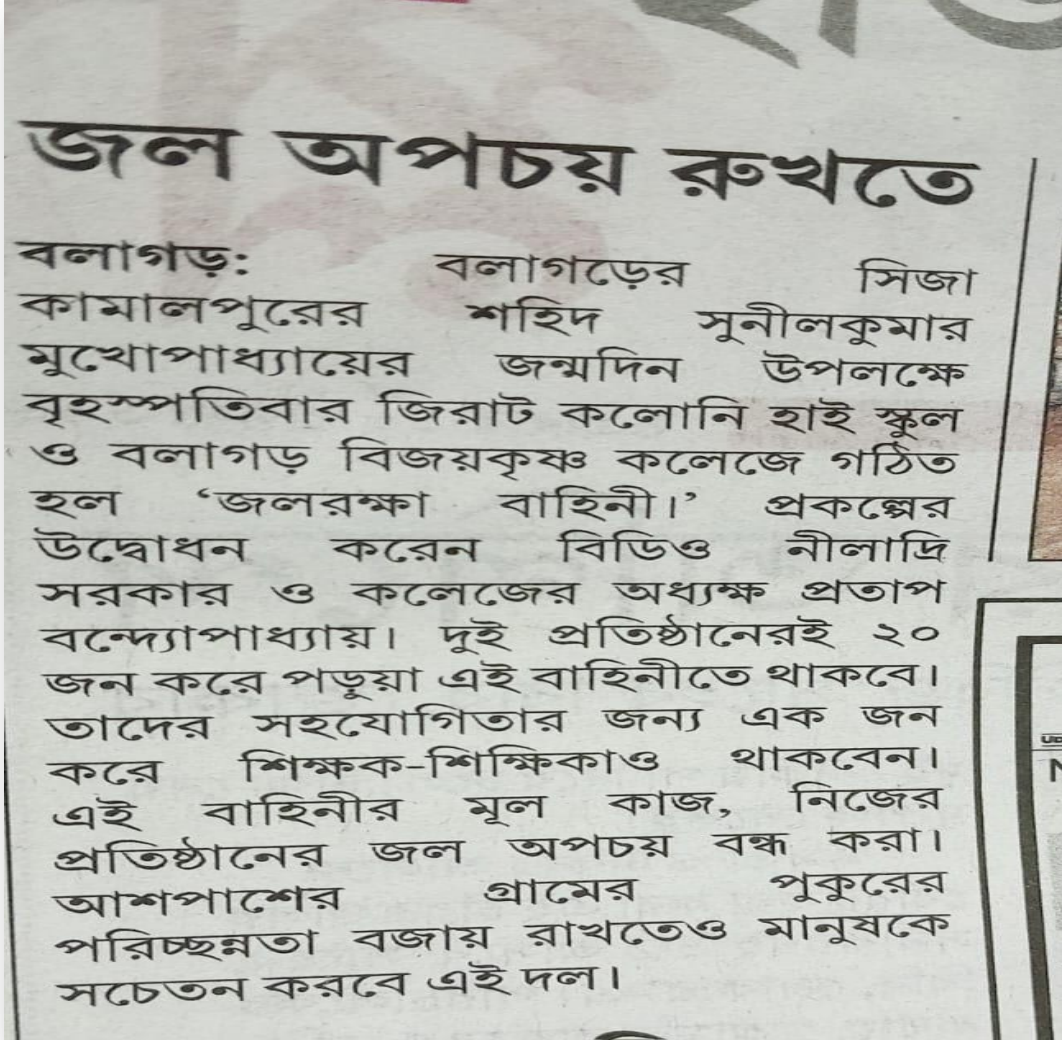

Dr. Pratap Banerjee
Principal

Balagarh Bijoy Krishna Mahavidyalaya.

Dr. Pratap Banerjee
Principal
Balagarh Bijoy Krishna Mahavidyalaya
Balagarh , Hooghly - 712501

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NEWS PRINT IN ABP(BENGALIES DALIES)

NOISE AND AIR POLLUTION NATURE HAZZARDS FROM FIRECRACKERS BURNING

Firecrackers burning during Diwali festival gradually degraded the air quality. The overall variation of AQI increases significantly i.e. 8.7% from Pre-Diwali to Diwali. The air quality is very poor due to the associated policy-practice gap. There are various times when firecrackers are burned in excess. It mainly happens to celebrate something or the other. The festival of Diwali is a great contributor of pollution due to firecrackers. At this festival, people all over especially in India burst loads of firecrackers to celebrate it. However, what they do not realize is that the harm it is causing to the others. **Air pollution and noise pollution** soars high during this time. Moreover, in case of wedding celebrations and immersion ceremony of different goddess, cricket winning are also great causes of pollution due to firecrackers. People burst all sorts of firecrackers during the wedding day and in other events before that to celebrate the big events.

Elevated sound levels can cause **restlessness, temporary or permanent hearing loss, high blood pressure, and trouble sleeping**. Fireworks can also cause breathing problems, such as e.g. chronic or allergic bronchitis, bronchial asthma, sinusitis, rhinitis, pneumonia and laryngitis.

In such perspective, a one day state level seminar ” Save the Environment from the evils of Fire Crackers” was held in this college as on 17th October, 2022. Several students and teachers of this college and neighbour colleges attend it. It was held just before of Diwali in 2022. The **Flyer** of this seminar is given below:

**NSS(UNIT-1 & 2) AND NATURE CLUB
BALAGARH BIJOY KRISHNA MAHAVIDYALAYA
(NAAC Accredited)**



**Jointly Presents
ONE DAY STATE LEVEL
SEMINAR**

**Impact of Pollution Due to Firecrackers
& Its impact**

Date: 17th October, 2022 Time: 1 P.M.

Venue: Room B1 (First Floor of College Building)

**Shri Biswajit Mukherjee,
Eminent Environmentalist,
Lawyer, Social Activist**

**Shri Gautam Sarkar, Social
Activist & Environmentalist**

REGISTRATION IS TO BE DONE ON SPOT



Telephone : (03213) 260288
Website : www.bbkm.in
E-mail : bbkm_hooghly@rediffmail.com

BALAGARH BIJOY KRISHNA MAHAVIDYALAYA

P. O. - BALAGARH • DIST. - HOOGHLY • WEST BENGAL - 712 501

NAAC ACCREDITED

Ref. No.

Date

From,
President / Principal / Teacher-in-charge

To,
Shri Biswajit Mukherjee
Eminent Environmentalist, Lawyer, Social Activist
Chandannagar, Hooghly-712136

Subject- Invitation as Speaker for **ONE DAY STATE LEVEL SEMINAR**

Dear Sir,

You are hereby invited on 17th October, 2022 to deliver your valuable speech on "Impact of pollution due to Firecrackers & its impact" in an "ONE DAY STATE LEVEL SEMINAR" in our college which is going to be organized jointly by NSS (UNIT-1 & 2) and NATURE CLUB. Your gracious presence as a Speaker is highly solicited.

Somshuddha Marick
10.10.22

Somshuddha Marick
Coordinator / Member
WWF & Nature Club
Balagarh Bijoy Krishna Mahavidyalaya
Balagarh, Hooghly-712501

Convenor

Nature Committee BBKM

Partha Chottopadhyay

Partha Chottopadhyay
Programme Officer
NSS UNIT 2

Balagarh B K Mahavidyalaya
Programme Officer (NSS)

Dr. Pratap Banerjee
10/10/22

Dr. Pratap Banerjee
Principal
Balagarh B. K. Mahavidyalaya
Balagarh, Hooghly, W.B.

Principal

BALAGARH BIJOY KRISHNA MAHAVIDYALAYA

P. O. - BALAGARH • DIST. - HOOGHLY • WEST BENGAL - 712 501

NAAC ACCREDITED

Ref. No.

Date

From,
President / Principal / Teacher-in-charge

To,
Shri Gautam Sarkar
Social Activist & Environmentalist,
Secretary, Baji & DJ Box Birodhi Mancha
Founder Member, Shromojibi Hospital, Belur
Sreerampur, Hooghly

Subject- Invitation as Speaker for **ONE DAY STATE LEVEL SEMINAR**

Dear Sir,

You are hereby invited on 17th October, 2022 to deliver your valuable speech on "Impact of pollution due to Firecrackers & its impact" in a "ONE DAY STATE LEVEL SEMINAR" in our college which is going to be organized jointly by NSS (UNIT-1 & 2) and NATURE CLUB. Your gracious presence as a Speaker is highly solicited.

Somshuddha Marick

10.10.22

Somshuddha Marick
Coordinator / Member
WWF & Nature Club
Balagarh Bijo Krishna Mahavidyalaya
Balagarh, Hooghly-712501
Convenor

Nature Committee BBKM

Partha Chotopadhyay

Partha Chotopadhyay
Program Officer
NSS UNIT 2

Balagarh B K Mahavidyalaya
Balagarh, Hooghly
Program Officer (NSS)

Dr. Pratap Banerjee

Principal



BALAGARH BIJOY KRISHNA MAHAVIDYALAYA

Report of Seminar/ Webinar/ Workshop / Otherprogramme

Name of the Department(s)	BBKM NATURE CLUB
Title of the Seminar/ Workshop / Webinar	ONE DAY STATE LEVEL SEMINAR on "Impact of pollution Due to Firecrackers & its impact"
Name of Convener(s)	PROF.DEBOPRIYA GHOSH, PROF. SOMSHUDDHA MARICK
Collaboration (if any):	NSS (UNIT-1 & 2)
Date, Time & Duration	17.10.2022
Name of the Speaker(s) with title of papers (if any):	1) Shri Gautam Sarkar., Social Activist & Environmentalist, Sreerampur, Hooghly 2) Shri Biswajit Mukherjee Eminent Environmentalist, Lawyer, Social Activist Chandannagar, Hooghly PAPER TITLE:- "Impact of pollution Due to Firecrackers & its impact"
No. of Participants (Attach list)	18 (Teachers) 58 (STUDENTS)
Brief report	1. Principal delivered the "Welcome Address" 1. Felicitation to the Guests 2. Shri Gautam Sarkar delivered his valuable speeches



	<p>3. Shri Biswajit Mukherjee delivered his valuable speeches</p> <p>4. Somshuddha Marik ----A teacher in Chemistry conveyed 'Vote of thanks'</p> <p>5. Prof. Arnab Ghosh of Commerce Dept. anchored the whole Program</p>
Pictures (Insert or provide link)	<p>Substance of this seminar:</p> <p>Firecrackers and Diwali has the close relation. As diwali is festival of lights; people consider it as festival of Firecrackers. Firecrackers come in different varieties from the delightfully visual ones to the ear deafening noisy ones. Our tradition use firecrackers in diwali cause of reasons, possible reason and a more scientific one for lighting firecrackers is that the fumes produced by them kill insects and mosquitoes found after the rains.</p> <p>But now people use firecrackers in an amount that it harming the mankind, environment, increasing the pollution.</p> <p>1) Health hazards: Burns, deafness, Nausea and mental impairment. Many people die in explosions in factories manufacturing fire-crackers. Firecrackers can cause hearing loss, high blood pressure, sleeping disturbances and sudden exposure to loud noise can cause temporary or permanent deafness or even result in heart attack.</p> <p>2) Noise pollution: firecrackers make noise more than the allowed decibel limit for human being.</p> <p>3) Smog caused by firecrackers may be harmful to inhale can cause difficulty for rivers because of reduced visibility.</p> <p>4) It increases the Pollution in environment.</p>
Video recording (provide link)	NA

Debasmita Ghosh
19.10.22
Somshuddha Marik
Coordinator / Member
WWF & Nature Club
Balagarh Bijoy Krishna Mahavidyalaya
Balagarh, Hooghly-712501

(Signature)
Principal 19/10/2022

Dr. Pratap Banerjee
Principal
Balagarh Bijoy Krishna Mahavidyalaya
Balagarh, Hooghly - 712501

