

A Report
on
Extension Activity
Visit to nearby Schools

Asutosh College
Kolkata
2020

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Introduction

An extension activity had been organized in the year, 2020 to Bhowanipur Girls High School, Sahapur Mathuranath Vidyapith (Hs) And Mitra Institution to evaluate the following parameters

- To analyse the potability of drinking water in tank and reservoir of school
- To measure the level of noise in campus
- To check the status of Drainage System
- To check the status of Solid Waste Management
- To check the status of Electrical Wiring

A team of Asutosh College visited school premises to collect sample and check status. By reviewing and analyzing each component a report was prepared and submitted to the respective schools.



PHONE :- (033) 2455-9852

BHOWANIPORE GIRLS' HIGH SCHOOL

INDEX NO :- A₃-112 (GOVT. SPONSORED) H. S. CODE : 101294
42-B , SUHASINI GANGULY SARANI , BHOWANIPORE , KOLKATA – 700 025.
EMAIL : bhowanipore_girls@rediffmail.com

Ref. No _____

Date : 28-02-2020

To
The Vice-Principal,
Asutosh College,
92, A.P. Mukherjee Road,
Kolkata- 700 026.

Sir,

We request the departments of Environmental Science, Biochemistry, Chemistry and Zoology your college to provide guidance / consultancy in testing the water quality of our water tanks / reservoirs, checking the drainage, air pollution and solid waste disposal management of our school.

Awaiting an affirmative response from you end, and thanking you in anticipation.

Sincerely Yours,

Lipika Bera

Smt. Lipika Bera,
Teacher-In-Charge,
Bhowanipore Girls' High School.

Teacher-in-Charge
Bhowanipore Girls' High School
Kolkata-700 025





PHONE : (033) 2455-9852

BHOWANIPORE GIRLS' HIGH SCHOOL

INDEX NO.: A₃_112

(GOVT. SPONSORED)

H. S. CODE : 101294

42-B, SUHASINI GANGULY SARANI, BHOWANIPORE, KOLKATA - 700 025

E-mail : bhowanipore_girls@rediffmail.com

Ref. No. _____

Date : 12.03.2020

To
The Vice Principal
Asutosh College
92, S.P. Mukherjee Road,
Kolkata - 700026.

Sir,

A group of 25 teachers from the Asutosh College, Kolkata, have conducted a survey on 12/03/2020 in order to examine the following:

- collect water sample to analyse the quality of water.
- check the level of noise pollution.
- examine the solid waste disposal system.
- check the electricity safety measures.

The teachers will prepare a report on the basis of aforesaid parameter.

Thanking you.

Lipika Bana -

Teacher-in-Charge

Name of the School: **Bhowanipur Girls High School**

Date of Visit: 12.03.2020

Date of Report Submitted: **18.03.2020**

Component Analysed:

1. Water
2. Noise
3. Drainage System
4. Solid Waste Management
5. Electrical Wiring

Analysis of Drinking Water Quality

A report on Drinking Water quality analysis in School, prepared by Extension Activity team based on analysis of drinking water collected from school premises.

Parameter	Sample	BIS Standard
Taste	Agreeable	
Odour	Agreeable	
pH	7.03	6.5-8.5
Conductivity (ms/cm)	0.498	
Chloride (mg/l)	35.1	<250
Hardness (ppm)	62.14	<200
Dissolved Oxygen (DO) (mg/l)	5.30	6-8
Total Dissolved Solid (mg/l)	243	<500
Total Coliform	Nil	

Recommendations:

- The water parameters of the sample water analysed are within the permissible limit and safe for drinking purposes.

Microbiological Test Results:

Sl No.	Type of Sample	Microbiological Parameters	Result
1	Drinking Water	MPN test	21
2	Drinking Water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample
3	Tank Water	MPN test	93
4	Tank water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample

- Specification:
- E coli* shall not be detected in any 100 ml sample, as per BIS Standards for drinking water.

Measurement of Noise Level

Noise level inside the school premises:

45 dB (The permissible noise limit in the school area is 50 dB during the day)

Checking the Status of Drainage System

A report on DRAINAGE SYSTEM IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Serial No.	Criteria	Standard Practices	Survey Report
1.	Is there any unwanted stagnation of water in the campus?	No	No
2.	Is the drainage system complete/integrated in the campus?	Yes	Yes
3.	Is there any regular/periodical clearance of the drain inside the campus?	Yes, periodically	Yes, periodically
4.	Is the drainage system open/covered?	Covered	Covered
5.	Where does the main drain open outside the campus?	Outside	Outside
6.	Are there any application of larvicides against the mosquito larva?	No	No
7.	Are there any awareness program against vector-borne diseases like Dengue, Malaria etc.?	No	No
8.	Is there anybody assigned to look after the drainage/overall cleanliness of the campus?	No	No

Status of Solid Waste Management

A report on SOLID WASTE MANAGEMENT IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Total student strength: 210 Teaching and non-teaching staff: 10

Number of classrooms: 06 Number of office rooms: 02

Sl.No	Criteria	Standard Practices	Survey Report	
1.	Kitchen / canteen waste composting facility	Yes	Yes	No ✓
2.	*Waste separated in recyclable and general waste	Yes	Yes	No ✓
3.	Quality of waste bins	Covered and tidy	Covered and tidy ✓	Uncovered
4.	Waste haulers	KMC for daily collection	Yes ✓	No
		Local waste dealer	Yes ✓	No
		Pvt. agency for e-waste	Yes	No ✓
5.	Dumpsters present	Yes	Yes	No ✓
6.	Provision for reducing trash volume	Yes	Yes	No ✓
7.	Availability of recycling facility	Yes	Yes	No ✓
8.	Allocation of separate fund on waste management	Yes	Yes ✓	No
9.	Activity / fun learning for reduce- reuse-recycle of waste	Yes	Yes	No ✓
10.	Waste management education in course curriculum	Yes	Yes ✓	No

***Recyclable waste:** Glass, paper, wood (furniture), cardboard, plastic, batteries, textiles and metals. Biodegradable waste such as kitchen or food waste and garden waste can be composted and recycled.

***General waste:** Ceramic, polystyrene packaging, paper towel, sanitary waste, snack wrappers and metals that cannot be recycled.

The status of Electrical Wiring

Bhowanipur Girls High School



We visited the Bhowanipur Girls High School and checked the electrical wiring system carefully. We saw that although the school building is very old, but overall, the electrical wiring system is maintained well by the school authority to avoid any major electrical accidents. The school authority uses CCTV for overall monitoring. The meter boxes and cable wires are well covered and protected from the students.

However, we also found some wires and boards that need to be taken care so that no accidents can take place there. The authorities of the school are informed about these observations.

From :
Secretary / Headmaster

Phone : (033)2400 6413

ESTD - 1953

SAHAPUR MATHURANATH VIDYAPITH (H.S.)

Index No. C1-222 (Recognised & Govt. Aided Higher Secondary School) H.S. Code -02096

3, KAILASH PANDIT LANE, KOLKATA-700 053

Ref.
To

Date.

The Vice-Principal

Asutosh College

92, S.P.Mukherjee Road

Kolkata-700026

SUB-PRAYER FOR WATER TESTING CONSULTANCY

Sir,

We request the departments of Environmental Science, Biochemistry, Chemistry and Zoology your college to provide guidance /consultancy in testing the water quality of our water tanks / reservoirs, checking the drainage, air pollution and solid waste disposal management of our school. Awaiting an affirmative response from your end, and thanking you in anticipation,

Sincerely Yours



@k 5.02.20

TAPAS CHATTOPADHYAY
Headmaster

Headmaster
Sahapur Mathuranath Vidyapith (H.S.)
Kailash Pandit Lane, Kolkata-700053

Date: 05.02.20
Place: New Alipore, Kolkata

SAHAPUR MATHURANATH VIDYAPITH (H.S.)

SAHAPUR MATHURANATH VIDYAPITH (H.S)

3, KAILASH PANDIT LANE, NEW ALIPORE, KOLKATA -700053

MADHYAMIK INDEX-C1222 H.S INDEX 4003102096

ESTD -1953

CONTACT: (033)2400-6413, 9433239734

E-MAIL ID: sahapurmathuranath@gmail.com

Date: 12.03.2020

To
The Vice-Principal
Asutosh College
92, S.P.Mukherjee Road
Bhowanipore
Kolkata-700026

Sir,

Following groups of faculties have collected solid waste disposal management and they have collected mental health, noise level, water sample for analysis of potability of water and drainage system. The faculties performed the following tasks:

- i) solid waste disposal management
- ii) mental health
- iii) noise level
- iv) water sample for analysis of potability of water
- v) drainage system

Faculties who performed their tasks are as followed:

- i) Shramana Roy Barman
- ii) Arundhati Ganguly
- iii) Kunal Sinha
- iv) Utpal Barman

Thanking you,

Yours faithfully

Tapas
12.3.20

Tapas Chattopadhyay
Headmaster

SAHAPUR MATHURANTH VIDYAPITH (H.S.)

Headmaster

Sahapur Mathuranath Vidyapith (H.S.)
3, Kailash Pandit Lane, Kolkata-700 053
(Govt. Sponsored H.S. School)

Name of the School: SAHAPUR MATHURANATH VIDYAPITH
(HS)

Date of Visit: 12.03.2020

Date of Report Submitted: **18.03.2020**

Component Analysed:

1. Water
2. Noise
3. Drainage System
4. Solid Waste
5. Electrical Wiring

Analysis of Drinking Water Quality

A report on Drinking Water quality analysis in School, prepared by Extension Activity team based on analysis of drinking water collected from school premises.

Parameter	Sample	BIS Standard
Taste	Agreeable	
Odour	Agreeable	
pH	6.59	6.5-8.5
Conductivity (ms/cm)	0.398	
Chloride (mg/l)	38.1	<250
Hardness (ppm)	51.14	<200
Dissolved Oxygen (DO) (mg/l)	5.21	6-8
Total Dissolved Solid (mg/l)	218	<500
Total Coliform	Nil	

Recommendations:

- The parameters of sample water analysed have been found to be within the permissible limit and safe for drinking purposes.

Microbiological Test Results:

SI No.	Type of Sample	Microbiological Parameters	Result
1	Drinking Water	MPN test	43
2	Drinking Water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample
3	Tank Water	MPN test	64
4	Tank water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample

- Specification:
- E coli* shall not be detected in any 100 ml sample, as per BIS Standards for drinking water.

Measurement of Noise Level

Noise level inside the school premises:

46 dB (The permissible noise limit in the school area is 50 dB during the day as per CPCB)

Checking the Status of Drainage System

A report on DRAINAGE SYSTEM IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Serial No.	Criteria	Standard Practices	Survey Report
1.	Is there any unwanted stagnation of water in the campus?	No	No
2.	Is the drainage system complete/integrated in the campus?	Yes	Yes
3.	Is there any regular/periodical clearance of the drain inside the campus?	Yes, according to the requirements	Yes, according to the requirements
4.	Is the drainage system open/covered?	Covered	Covered
5.	Where does the main drain open outside the campus?	On KMC road	On KMC road
6.	Are there any application of larvicides against the mosquito larva?	No	No
7.	Are there any awareness program against vector-borne diseases like Dengue, Malaria etc.?	No	No
8.	Is there anybody assigned to look after the drainage/overall cleanliness of the campus?	No	No

The Status of Solid Waste Management

A report on SOLID WASTE MANAGEMENT IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Total student strength: 300 Teaching and non-teaching staff: 22

Number of classrooms: 08 Number of office rooms: 02

Sl.No	Criteria	Standard Practices	Survey Report	
1.	Kitchen / canteen waste composting facility	Yes	Yes	No ✓
2.	*Waste separated in recyclable and general waste	Yes	Yes	No ✓
3.	Quality of waste bins	Covered and tidy	Covered and tidy	Uncovered ✓
4.	Waste haulers	KMC for daily collection	Yes ✓	No
		Local waste dealer	Yes ✓	No
		Pvt. agency for e-waste	Yes	No ✓
5.	Dumpsters present	Yes	Yes	No ✓
6.	Provision for reducing trash volume	Yes	Yes	No ✓
7.	Availability of recycling facility	Yes	Yes	No ✓
8.	Allocation of separate fund on waste management	Yes	Yes	No ✓
9.	Activity / fun learning for reduce- reuse-recycle of waste	Yes	Yes	No ✓
10.	Waste management education in course curriculum	Yes	Yes ✓	No

***Recyclable waste:** Glass, paper, wood (furniture), cardboard, plastic, batteries, textiles and metals. Biodegradable waste such as kitchen or food waste and garden waste can be composted and recycled.

***General waste:** Ceramic, polystyrene packaging, paper towel, sanitary waste, snack wrappers and metals that cannot be recycled.

Checking the status of Electrical Wiring

Sahapur Mathuranath Vidyapith



We have visited the Sahapur Mathuranath Vidyapith School and checked the electrical wiring system thoroughly. The electrical wirings are maintained well across the building which is capable of avoiding accidents. However, we have seen open wiring just above the door of a locked classroom. Also, some birds nest appeared over expensive electrical instrument. We have asked school authority to take prompt actions to repair electrical wiring and remove the nest for the benefit of the electrical equipment.



H. S. Code : 01149
Index No. : A3-062



Phone : 033-2455-4795

MITRA INSTITUTION

BHOWANIPUR BRANCH
(HIGHER SECONDARY)
(GOVT. SPONSORED)
16A, BALARAM BOSE GHAT ROAD
&
12, KEDAR BOSE LANE
KOLKATA-700 025
e-mail : mitrains.bhbr1905@gmail.com

Memo No.....

Date.....20

To,


The Vice-Principal
Asutosh College
92, S.P.Mukherjee Road,
Kolkata-700026

Sir,

We requested departments of Environmental Science, Biochemistry, Chemistry and Zoology your college provide guidance/ consultancy in testing the water quality of our water tanks/ reservoirs, checking the drainage, air pollution and solid waste disposal management of our school.

Awaiting an affirmative response from your end, and thanking you in anticipation,

Sincerely Yours,


20/01/2020
RAJA DEY
Headmaster
Mitra Institution,
Bhowanipur Branch
H.S. Govt. Sponsd.
Bhowanipur, Kolkata-25



H. S. Code : 01149
Index No. : A3-062

Phone : 033-2455-4795

MITRA INSTITUTION

BHOWANIPUR BRANCH
(HIGHER SECONDARY)
(GOVT. SPONSORED)
16A, BALARAM BOSE GHAT ROAD

&
12, KEDAR BOSE LANE
KOLKATA - 700 025

e-mail : mitrains.bhbr1905@gmail.com

Memo No.

Date 12-03-2020

To
The Vice Principal
Asutosh College,
92, S.P. Mukherjee Road,
Kolkata - 700026,

Sir,
A group of 25 teachers from the Asutosh
College, Kolkata, have conducted a survey on 12-03-2020,
in order to examine the following:

- (a) Collect water sample to analyse the quality of water.
- (b) Check the level of noise pollution.
- (c) Examine the solid waste disposal system.
- (d) Check the electricity safety measures.

The teachers will prepare a report on the
basis of aforesaid parameter.

Name of teachers visited

Mithu Biswas
Anindita Dey
Keya Ghosh



Thanking you,

Truly yours,

12/03/20
Headmaster
Mitra Institution,
Bhowanipur Branch
H.S. Govt. Spond.
Bhowanipur, Kolkata-25

Name of the School: MITRA INSTITUTION

Date of Visit: 12.03.2020

Date of Report Submitted: **18.03.2020**

Component Analysed:

1. Water
2. Noise
3. Drainage System
4. Solid Waste
5. Electrical Wiring

Analysis of Drinking Water Quality

A report on Drinking Water quality analysis in School, prepared by Extension Activity team based on analysis of drinking water collected from school premises.

Parameter	Sample	BIS Standard
Taste	Agreeable	
Odour	Agreeable	
pH	7.01	6.5-8.5
Conductivity (ms/cm)	0.398	
Chloride (mg/l)	34.2	<250
Hardness (ppm)	45.6	<200
Dissolved Oxygen (DO) (mg/l)	6.37	6-8
Total Dissolved Solid (mg/l)	210	<500
Total Coliform	Nil	

Recommendations:

- The parameters of sample water analysed have been found to be within the permissible limit and safe for drinking purposes.

Microbiological Test Results:

SI No.	Type of Sample	Microbiological Parameters	Result
1	Drinking Water	MPN test	21
2	Drinking Water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample
3	Tank Water	MPN test	43
4	Tank water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample

Specification:

E coli shall not be detected in any 100 ml sample, as per BIS Standards for drinking water.

Measurement of Noise Level

Noise level inside the school premises:

55 dB (The permissible noise limit in the school area is 50 dB during the day)

The Status of Drainage System

A report on DRAINAGE SYSTEM IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Serial No.	Criteria	Standard Practices	Survey Report
1.	Is there any unwanted stagnation of water in the campus?	No	No
2.	Is the drainage system complete/integrated in the campus?	Yes	Yes
3.	Is there any regular/periodical clearance of the drain inside the campus?	Yes, periodical clearance thrice a month.	Yes, periodical clearance thrice a month.
4.	Is the drainage system open/covered?	Covered	Covered
5.	Where does the main drain open outside the campus?	Outside	Outside
6.	Are there any application of larvicides against the mosquito larva?	Yes	Yes
7.	Are there any awareness program against vector-borne diseases like Dengue, Malaria etc.?	Yes, annually	Yes, annually
8.	Is there anybody assigned to look after the drainage/overall cleanliness of the campus?	No. The school authority monitors it.	No. The school authority monitors it.

The Status of Solid Waste Management

A report on SOLID WASTE MANAGEMENT IN SCHOOL is prepared by Extension Activity team members of Asutosh College, based on a survey during school visit.

Total student strength: 1000

Teaching and non-teaching staff: 50

Number of classrooms: 26

Number of office rooms: 4

Sl.No	Criteria	Standard Practices	Survey Report	
1.	Kitchen / canteen waste composting facility	Yes	Yes	No ✓
2.	*Waste separated in recyclable and general waste	Yes	Yes	No ✓
3.	Quality of waste bins	Covered and tidy	Covered and tidy	Uncovered ✓
4.	Waste haulers	KMC for daily collection	Yes ✓	No
		Local waste dealer	Yes ✓	No
		Pvt. agency for e-waste	Yes	No ✓
5.	Dumpsters present	Yes	Yes	No ✓
6.	Provision for reducing trash volume	Yes	Yes	No ✓
7.	Availability of recycling facility	Yes	Yes	No ✓
8.	Allocation of separate fund on waste management	Yes	Yes	No ✓
9.	Activity / fun learning for reduce- reuse-recycle of waste	Yes	Yes	No ✓
10.	Waste management education in course curriculum	Yes	Yes ✓	No

***Recyclable waste:** Glass, paper, wood (furniture), cardboard, plastic, batteries, textiles and metals. Biodegradable waste such as kitchen or food waste and garden waste can be composted and recycled.

***General waste:** Ceramic, polystyrene packaging, paper towel, sanitary waste, snack wrappers and metals that cannot be recycled.

The status of Electrical Wiring

Mitra Institution



We have visited the Mitra Institution and checked the electrical wiring system carefully. We saw that the authority maintained the electrical wiring system of the old school building well so that no major electrical accident can take place. The school authority also uses CCTV for overall monitoring of the school premises.

However, we also found some loose and uncovered wires and boards in the common corridor that need to be taken care so that no accidents can take place there. The authority of the school is informed about these observations.

Report Prepared by :



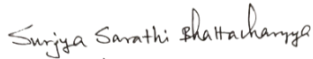
- Smt. Shramana Roy Barman, Assistant Professor in Environmental Science



- Dr. Rimjhim Ray, Assistant Professor in Psychology



- Dr. Anindita Dey, Assistant Professor in Botany



- Dr. Surjya Sarathi Bhattacharyya, Assistant Professor in Physics



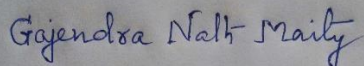
- Dr. Mithu Biswas, Assistant Professor in Botany



- Dr. Tapan Kumar Roy, Assistant Professor in Zoology



- Dr. Kunal Sinha, Assistant Professor in Electronics



- Sri Gajendra Nath Maity, Assistant Professor in Microbiology

Shyamalina Haldar

- Dr. Shyamalina Haldar, Assistant Professor in Bio-Chemistry

Poulami Khan

- Dr. Poulami Khan, Assistant Professor in Bio- Chemistry

Arundhati Ganguly

- Smt Arundhati Ganguly, Assistant Professor in Environmental Science

Aray

Vice-Principal
Asutosh College