

**A Report**  
**on**  
**Extension Activity**  
**Visit to nearby Schools**

**Asutosh College**  
**Kolkata**  
**2021**

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## **Introduction**

An extension activity had been organized in the year, 2021 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 :- A<sub>3</sub>-112 ( GOVT. SPONSORED ) H. S. CODE : 101294  
42-B , SUHASINI GANGULY SARANI , BHOWANIPORE , KOLKATA – 700 025.  
EMAIL : [bhowanipore\\_girls@rediffmail.com](mailto:bhowanipore_girls@rediffmail.com)

Ref. No \_\_\_\_\_

Date : 24-03-2021

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



**BHOWANIPORE GIRLS' HIGH SCHOOL**

INDEX NO.: A<sub>3</sub>\_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 : 28.03.2021

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 28/03/2021 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 measure.

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

Thanking you.

Dipika Bera.

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

Name of the School: **BHOWANIPORE GIRLS' HIGH SCHOOL**

Date of Visit: 28.03.2022

Date of Report Submitted: 06.04.2021

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	6.89	6.5-8.5
Conductivity (ms/cm)	0.392	
Chloride (mg/l)	34.15	<250
Hardness (ppm)	47.05	<200
Dissolved Oxygen (DO) (mg/l)	5.24	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:

Sl No.	Type of Sample	Microbiological Parameters	Result
1	Drinking Water	MPN test	64
2	Drinking Water	Presence/Absence of <i>E coli</i>	Absent/100 ml sample
3	Tank Water	MPN test	120
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:

48 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, 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

## 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: 215                      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



We studied the electrical wiring system thoroughly and observed that the school maintained the electrical wiring system with proper safety. However, there were some minor faults which needed to be rectified to avoid any accidents. The authorities of the school are also informed about the faults.

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



*[Handwritten Signature]*  
17.2.21

TAPAS CHATTOPADHYAY  
Headmaster

Date: 17.02.21  
Place: New Alipore, Kolkata

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

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](mailto:sahapurmathuranath@gmail.com)

Date: 18.03.2021

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

Sir,

Following groups of faculties have collected noise level, water sample for analysis, drainage system, mental health and solid waste disposal management.

The faculties performed the following tasks:

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

Faculties who performed their tasks are as followed:

- i) Rahul Mondal
- ii) Tapan Kumar Roy
- iii) Poulami Khan
- iv) Shyamalina Halder

Thanking you,

Yours faithfully

*alk 18.3.21*

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: 18.03.2021

Date of Report Submitted: 25.03.2021

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.

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Parameter	Sample	BIS Standard
Taste	Agreeable	
Odour	Agreeable	
pH	7.02	6.5-8.5
Conductivity (ms/cm)	0.392	
Chloride (mg/l)	32.15	<250
Hardness (ppm)	48.05	<200
Dissolved Oxygen (DO) (mg/l)	5.94	6-8
Total Dissolved Solid (mg/l)	190	<500
Total Coliform	Nil	

### Recommendations:

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

### Microbiological Test Results:

Sl 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	75
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:

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



## 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, when required	Yes, when required
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: 350                      Teaching and non-teaching staff: 29

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.

## The Status of Electrical Wiring



We went to the Sahapur Mathuranath Vidyapith and checked the electrical wiring system thoroughly. We observed that the school maintained the electrical wiring system with proper safety. Sahapur Mathuranath Vidyapith School uses Led lights at different places as per our previous advice, which is cost effective and environment friendly. However, switch box appears broken over a classroom which appears unsafe. We have informed school authority about the faults and guided accordingly.



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..... 15/02/2020

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,

  
15/02/21  
**RAJA DEY**  
Headmaster  
Mitra Institution,  
Bhowanipur Branch  
H.S. Govt. Sponsd.  
Bhowanipur, Kolkata-25



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

# 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. 18-03-2021

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 18-03-2021,  
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.

Thanking you,

Truly yours,



  
18/03/21  
Headmaster  
Mitra Institution,  
Bhowanipur Branch  
H.S. Govt. Spond.  
Bhowanipur, Kolkata-25

Name of the School: **MITRA INSTITUTION**

Date of Visit: 18.03.2021

Date of Report Submitted: 25.03.2021

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	6.98	6.5-8.5
Conductivity (ms/cm)	0.412	
Chloride (mg/l)	33.01	<250
Hardness (ppm)	42.11	<200
Dissolved Oxygen (DO) (mg/l)	6.11	6-8
Total Dissolved Solid (mg/l)	204	<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:

Sl 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	75
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:

52 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.

<b>Serial No.</b>	<b>Criteria</b>	<b>Standard Practices</b>	<b>Survey Report</b>
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, once per year	Yes, once per year
8.	Is there anybody assigned to look after the drainage/overall cleanliness of the campus?	No. The school authority looks after it.	No. The school authority looks after 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: 1070

Teaching and non-teaching staff: 50

Number of classrooms: 30

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



We went to the Mitra Institution and checked the electrical wiring system thoroughly. We have observed that the school maintained the electrical wiring system with proper safety. However, there were some minor faults like loose and uncovered wires from fans and tube lights in some class rooms and these were needed to be rectified on urgent basis to avoid any accidents. The authority of the school is also informed about the faults and guided accordingly.

## Report Prepared by :



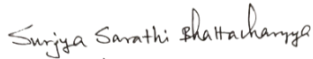
- Smt. Shramana Roy Barman, Assistant Professor in Environmental Science



- Dr. Rimjhim Ray, Assistant Professor in Psychology



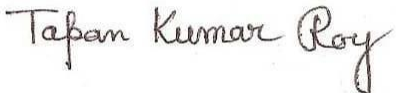
- Dr. Anindita Dey, Assistant Professor in Botany



- Dr. Surjya Sarathi Bhattacharyya, Assistant Professor in Physics



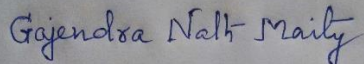
- Dr. Mithu Biswas, Assistant Professor in Botany



- 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**