

A Report
on
Extension Activity
Visit to nearby Schools

Asutosh College
Kolkata
2019

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Introduction

An extension activity had been organized in the year, 2019 to Bhowanipur Girls High School and Sahapur Mathuranath Vidyapith (HS) 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 : 19-03-2019

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 : 21.03.2019.

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

Sir, A group of teachers from the Asutosh College, Kolkata, have conducted a survey on 21/03/2019, 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 parameters.

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: 21.03.2019

Date of Report Submitted: **03.04.2019**

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	6.92	6.5-8.5
Conductivity (ms/cm)	0.424	
Chloride (mg/l)	31.10	<250
Hardness (ppm)	52.40	<200
Dissolved Oxygen (DO) (mg/l)	5.45	6-8
Total Dissolved Solid (mg/l)	220	<500
Total Coliform	Nil	

Recommendations:

- The parameters of sample water analysed are 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	39
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:

51 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 (partly)	Yes (partly)
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: 200 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 went to the Bhowanipur Girls High School on 11th March 2019 to check the electrical wiring system thoroughly. We have observed that overall, the authority maintained the electrical wiring system satisfactorily. However, there were some minor faults in the wiring systems that needed to be rectified on priority basis to avoid any accidents. The authority of the school is informed about the findings and guided how to rectify those 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.

Date.

To
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



[Signature]
12.2.19

TAPAS CHATTOPADHYAY
Headmaster



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

Date: 12.02.19
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: 11.03.2019

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

Sir,

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

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

Faculties who performed their tasks are as followed:

- i) Suryasarathi Bhattacharya
- ii) Mithu Biswas
- iii) Keya Ghosh
- iv) Anindita Dey

Thanking you,

Yours faithfully

 11.3.19

Tapas Chattopadhyay
Headmaster

SAHAPUR MATHURANATH 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: 11.03.2019

Date of Report Submitted: 19.03.2019

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	6.82	6.5-8.5
Conductivity (ms/cm)	0.418	
Chloride (mg/l)	30.12	<250
Hardness (ppm)	50.07	<200
Dissolved Oxygen (DO) (mg/l)	5.98	6-8
Total Dissolved Solid (mg/l)	210	<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	39
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:

34 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, as per the requirement	Yes, as per the requirement
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: 340

Teaching and non-teaching staff: 20

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

Sahapur Mathuranath Vidyapith



We went to the Sahapur Mathuranath Vidyapith and checked the electrical wiring system thoroughly. We have observed that overall, the authority maintained the electrical wiring system satisfactorily. However, few open joint boxes are visible at places which appears unsafe. We have advised school authority to take prompt action regarding the matter. We have also advised them to use LED lights wherever possible for cost effective and environment friendly power management.

Report Prepared by :



- 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



Vice-Principal
Asutosh College