

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

**Asutosh College
Kolkata
2022**

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Introduction

An extension activity had been organized in the year, 2022 to Bhowanipur Girls High School, Sahapur Mathuranath Vidyapith (Hs), Mitra Institution and Patha Bhavan 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
- To check the status of student's Mental Health

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.

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 - Letter from Patha Bhavan for visit
 - Letter from Patha Bhavan after visit

- Report on water quality Water, Noise, Drainage System, Solid Waste, Electrical Wiring and student's mental health of Patha Bhavan

Introduction

An extension activity had been organized in the year, 2022 to Bhowanipur Girls High School, Sahapur Mathuranath Vidyapith (Hs), Mitra Institution and Patha Bhavan 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
- To check the status of student's Mental Health

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 : 08-02-2022

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'rend, 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.: 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 : 29.03.2022

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 29/03/2022, 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 Bera

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

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

Date of Visit: 29.03.2022

Date of Report Submitted: 04.04.2022

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	6.91	6.5-8.5
Conductivity (ms/cm)	0.410	
Chloride (mg/l)	37.08	<250
Hardness (ppm)	50.15	<200
Dissolved Oxygen (DO) (mg/l)	5.08	6-8
Total Dissolved Solid (mg/l)	211	<500
Total Coliform	Nil	

Recommendations: The water parameters 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	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:

49 dBA (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 & under renovation	Yes & under renovation
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: 212

Teaching and non-teaching staff: 10

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

Bhowanipur Girls High School



We visited the Bhowanipur Girls High School and studied the electrical wiring system thoroughly. It has been observed that overall the school maintained the electrical wiring system thoroughly and improved the faults reported in the previous years. However, some minor faults are found that need to be rectified to avoid any accidents. The authorities of the school are informed about the findings.

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



[Handwritten Signature]
8.2.22

TAPAS CHATTOPADHYAY
Headmaster

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

Date: 08.02.22
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: 29.03.2022

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

Sir,

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

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

Faculties who performed their tasks are as followed:

- i) Gajendra Nath Maity
- ii) Pranab Kumar Das
- iii) Shramana Roy Barman
- iv) Arundhati Ganguly
- v) Kunal Sinha

Thanking you,

Yours faithfully

TK
29.3.22

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: 29.03.2022

Date of Report Submitted: **04.04.2022**

Component Analysed:

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

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	6.91	6.5-8.5
Conductivity (ms/cm)	0.410	
Chloride (mg/l)	37.08	<250
Hardness (ppm)	50.15	<200
Dissolved Oxygen (DO) (mg/l)	5.08	6-8
Total Dissolved Solid (mg/l)	211	<500
Total Coliform	Nil	

Recommendations: The water parameters 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	20
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:

40 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, 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?	Yes	Yes
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, sweeper & person attached with cleanliness look after it.	No, sweeper & person attached with cleanliness look 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: 360

Teaching and non-teaching staff: 29

Number of classrooms: 08

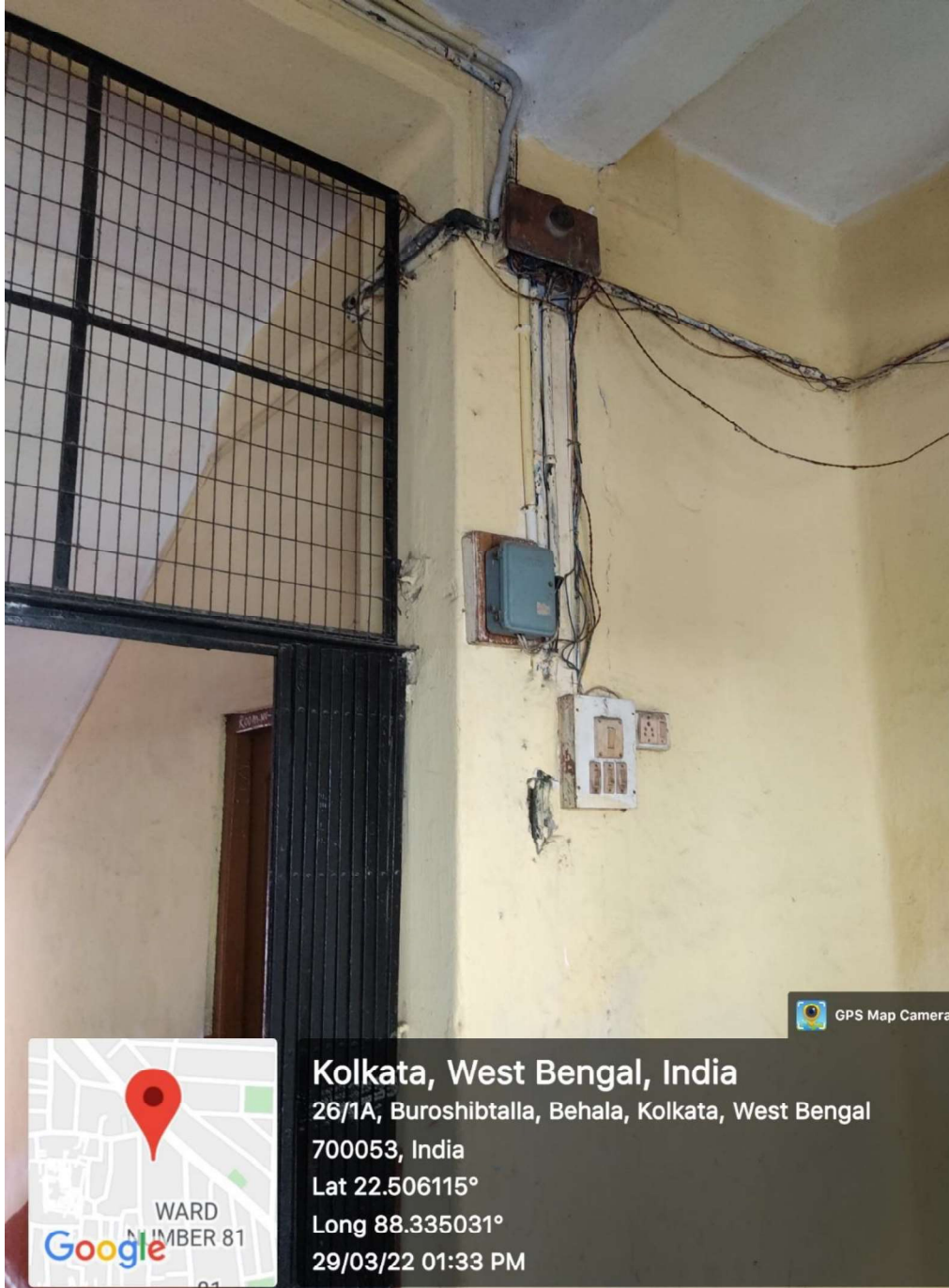
Number of office rooms: 02

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 have visited the Sahapur Mathuranath Vidyapith School and studied the electrical wiring system thoroughly. It has been observed that overall the school maintained the electrical wiring system thoroughly and improved the faults reported in the previous years. At Sahapur Mathuranath Vidyapith School open joint boxes are visible at places which appears unsafe. We have advised school authority to take prompt action.

The Status of Student's Mental Health

ASSESSED FOR- Status of mental health of school students in post covid situation

SAMPLE- Grade 7 and 8 students

SAMPLING METHOD-

Randomization **MATERIAL USED-**

- GHQ Questionnaire
- Semi-Structured Interview of teachers and students

REPORT-

SI NO.	A	B	C	D	Total Score	Remark
1	4	3	3	4	14	HIGH
2	1	1	0	0	2	LOW
3	0	1	1	0	2	LOW
4	1	2	4	2	9	HIGH
5	0	0	1	1	2	LOW
6	2	2	2	1	7	LOW
7	0	0	1	1	2	LOW
8	1	2	1	4	8	LOW
9	1	1	1	2	5	LOW
10	0	0	0	1	1	LOW
TOTAL	10	12	14	16	52	
MEAN	1	1.2	1.4	1.6	5.2	

INDEX- A- Somatic symptoms, B- Anxiety and Insomnia, C- Social Dysfunction, D- Severe Depression.

From the above data collected, it is seen that the total score of the participants in General Health Questionnaire- 28 is 5.2 OR 5 [where, n(total)=13] whereas, the maximum possible total score is 28 which can be interpreted as the subjects are having mild psychological distress and not

possessing good psychological wellbeing owing to COVID-19.

IMPRESSION- It was known through the interview that the students belonged mostly from the lower economic strata and quite a few of them were the only child in their family. They were very realistic in their outlook of the entire situation and were aware of their responsibilities but although the overall result does not indicate any psychological distress it was seen in their interview that some faced problems in decision making and some lacked insight when asked about their future. They were also specifically ignorant of their own mental health unless asked specifically one wouldn't know that a few of them had unpleasant and negative thoughts. Some of them faced family problems including some witnessing domestic abuse and some concerns were noticed about their view of their family pattern. Although they showed a positive attitude about going back to normal and coming back to offline classes, in their interview they mentioned having problems concentrating and focusing in class.

SUGGESTION- Psycho-education can be introduced so that the children can get an insight on their behaviors and actions as well as their thought process.

PREPARED BY- ANANDITA CHAKRABORTY, ANJALI RANGARAJAN, ANOUSHKA CHAKRABORTY, MAHIMA DAS, POUHALI CHAKRABORTY, PRAJATA KAR, PRIYANKA SINGH, RAI MUKHERJEE, RIMA SEN [SEM VI, DEPARTMENT OF PSYCHOLOGY, ASUTOSH COLLEGE]



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... 15/02/2022

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,

15/02/22

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 29-03.....2022

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 29-03-2022,
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.

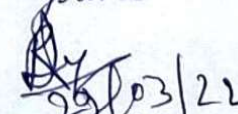
The teachers will prepare a report on the
basis of aforesaid parameter.

Thanking you,

Shyamara Ray Barman
Utpal Kumar Barman

Truly yours,




29/03/22
Headmaster
Mitra Institution,
Bhowanipur Branch
H.S. Govt. Sponsd.
Bhowanipur, Kolkata-25

Name of the School: **MITRA INSTITUTION**

Date of Visit: 29.03.2022

Date of Report Submitted: 04.04.2022

Component Analysed:

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

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	7.08	6.5-8.5
Conductivity (ms/cm)	0.408	
Chloride (mg/l)	26.05	<250
Hardness (ppm)	41.1	<200
Dissolved Oxygen (DO) (mg/l)	6.14	6-8
Total Dissolved Solid (mg/l)	194	<500
Total Coliform	Nil	

Recommendations:

- The quality of the water is good and safe for drinking purposes.

Date of Collection: 29 March 2022

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	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:

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	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: 1100

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

Mitra Institution



We have visited the Mitra Institution and studied the electrical wiring system thoroughly. It has been observed that overall the school maintained the electrical wiring system thoroughly and improved the faults reported in the previous years. However, some open and loose wiring are found in the staffroom which need to be rectified to avoid any accidents. The authorities of the school are informed about the observation and advised accordingly.

The Status of Student's Mental Health

ASSESSED FOR- Status of mental health of school students in post covid situation

SAMPLE- Grade 7 and 8 students

SAMPLING METHOD- Randomization

MATERIAL USED-

- GHQ Questionnaire
- Semi-Structured Interview of teachers and students

REPORT-

SI NO	A	B	C	D	TOTAL SCORE	REMARKS
1	0	3	2	1	6	HIGH
2	0	0	0	0	0	LOW
3	0	3	1	0	4	LOW
4	0	5	2	0	7	HIGH
5	1	0	1	0	2	LOW
6	0	0	0	2	2	LOW
7	0	0	2	1	3	LOW
8	1	1	0	1	3	LOW
9	0	0	3	1	4	LOW
10	0	0	2	0	2	LOW
11	2	2	0	1	5	HIGH
12	0	1	0	1	1	LOW
13	3	4	0	0	7	HIGH

TOTAL	7	18	13	7	46	
MEAN	0.5	0.6	1	0.5	3.5	

INDEX- A- Somatic symptoms, B- Anxiety and Insomnia, C- Social Dysfunction, D- Severe Depression.

From the above data collected, it is seen that the total score of the participants in General Health Questionnaire- 28 is 4 [where, n(total)=13] whereas, the maximum possible total score is 28, which can be interpreted as the subjects are having good psychological well-being and doesn't suffer from any psychological distress or psychiatric disorder.

IMPRESSION- It was known through the interview that the students belonged mostly from the lower economic strata and quite a few of them were the only child in their family. They were very realistic in their outlook of the entire situation and were aware of their responsibilities but although the overall result does not indicate any psychological distress it was seen in their interview that some faced problems in decision making and some lacked insight when asked about their future. They were also specifically ignorant of their own mental health unless asked specifically one wouldn't know that a few of them had unpleasant and negative thoughts. Some of them faced family problems and some concerns were noticed about their view of their family pattern. Although they showed a positive attitude about going back to normal and coming back to offline classes, in their interview they mentioned having problems concentrating and focusing in class.

SUGGESTION- Psycho-education can be introduced so that the children can get an insight on their behaviors and actions as well as their thought process.

PREPARED BY- ANANDITA CHAKRABORTY, ANJALI RANGARAJAN, ANOUSHKA CHAKRABORTY, MAHIMA DAS, POUHALI CHAKRABORTY, PRAJATA KAR, PRIYANKA SINGH, RAI MUKHERJEE, RIMA SEN

[SEM VI, DEPARTMENT OF PSYCHOLOGY, ASUTOSH COLLEGE]



Ph. : 033 2460 8485/8301
2460 3261(H.S.)

PATHA-BHAVAN

A SCHOOL FOR BOYS & GIRLS

103 A & C, BALLYGUNGE PLACE, KOLKATA 700019

H.S. Building : Merlin Park, 8/2 Gariahat Road, Kolkata 700019

e-mail : info@pathabhavan.in • info.pathabhavan@gmail.com

website : www.pathabhavan.in

Inst. Code No. W.B. Board-A3-070, H.S. Council 101165

Date: 29-02-22

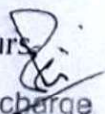
To,
The Vice-Principal
Asutosh College
92, S.P. Mukherjee Road,
Kolkata- 700026

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,


Teacher-in-charge
Patha-Bhavan



033 24902495 (Main Bldg.)
266025 36553 (Main Bldg.)
033 25501999 (Main Bldg.)
033 79637544 (H.S. Bldg.)

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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 29/03/2022, 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,


(SABYASACHI PRAMANIK)
Asstt. Teacher-in-charge
PATHA-BHAVAN

Name of the School: **PATHA BHAVAN**

Date of Visit: 29.03.2022

Date of Report Submitted: 04.04.2022

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.

Sample Collection Date: **29-03-2022**

Parameter	Sample	BIS Standard
Taste	Agreeable	
Odour	Agreeable	
pH	6.92	6.5-8.5
Conductivity (ms/cm)	0.418	
Chloride (mg/l)	29.12	<250
Hardness (ppm)	49.07	<200
Dissolved Oxygen (DO) (mg/l)	5.91	6-8
Total Dissolved Solid (mg/l)	196	<500
Total Coliform	Nil	

Recommendations:

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

Date of Collection: 29 March 2022

- 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	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:

16 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?	Yes	Yes
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, sweeper & person attached with cleanliness look after it.	No, sweeper & person attached with cleanliness look 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: 750

Teaching and non-teaching staff: 38

Number of classrooms: 10

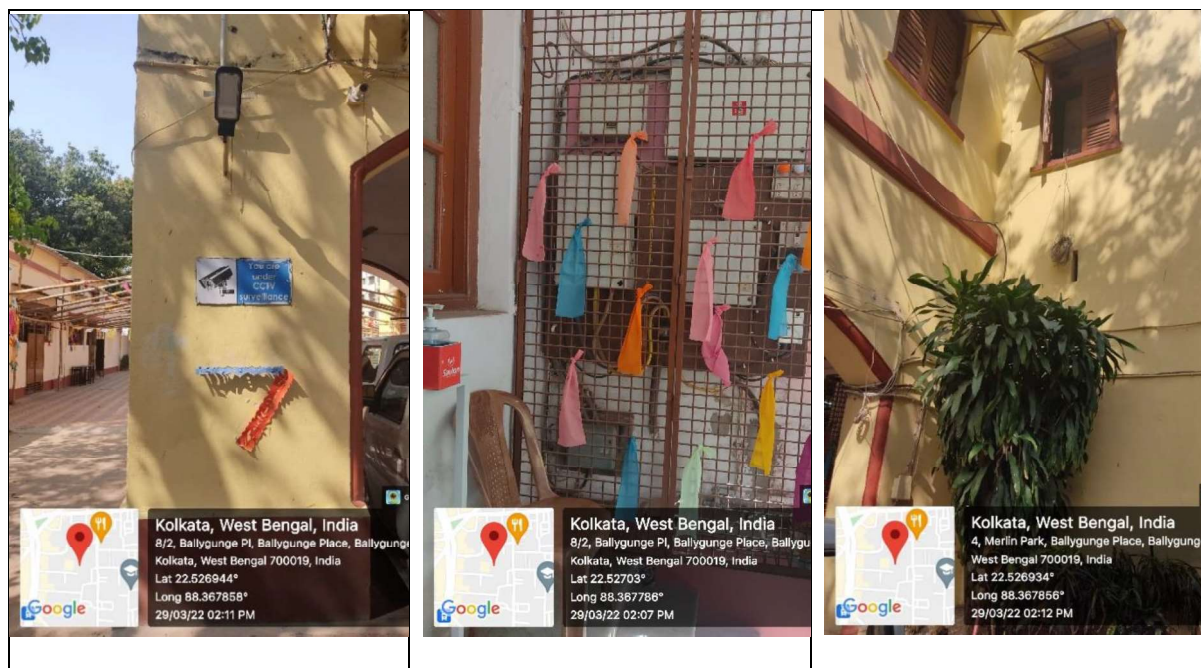
Number of office rooms: 2

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 have visited the Patha Bhavan School and studied the electrical wiring system thoroughly. Patha Bhavan School uses Led lights at different places, which is cost effective and environment friendly. They also use CCTV cameras for surveillance and security purposes. Wires lead off from the neighbourhood's power lines and connected to individual school building is well maintained.

However, school should improve the electrical distribution networks at certain places, avoiding temporary arrangements. As visible in above picture, the electricity line is hanging and tied using a thread with window. Such arrangements should be avoided, as this may cause accidents.

Report Prepared by :



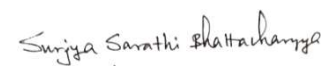
- Smt. Shramana Roy Barman, Assistant Professor in Environmental Science



- Dr. Rimjhim Ray, Assistant Professor in Psychology



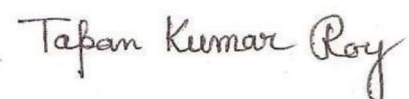
- Dr. Anindita Dey, Assistant Professor in Botany



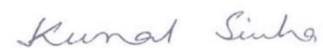
- Dr. Surjya Sarathi Bhattacharyya, Assistant Professor in Physics



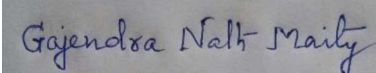
- Dr. Mithu Biswas, Assistant Professor in Botany



- 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