

Report No.: ENV/GGC/SIV/21-22/DW-01  
Date : 23/03/2022

Order No.: Telecon  
Date :

Report Issued To : **GARGAON COLLEGE**  
Simaluguri, Sivasagar - 785686, Assam

### DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GGC/2022/DW-1603/01  
Collected On : 16-03-2022

Sample Source : Canteen  
Received On : 16-03-2022

Sample Type : Drinking Water  
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.2	1	5
5.	pH	6.84	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	92	500	2000
7.	Calcium (as Ca), mg/l, Max	16	75	200
8.	Chloride (as Cl), mg/l, Max	6.7	250	1000
9.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
10.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
11.	Magnesium (as Mg), mg/l, Max	1	30	100
12.	Nitrate (as NO <sub>3</sub> ), mg/l, Max	<0.1	45	No Relaxation
13.	Sulfate (as SO <sub>4</sub> ), mg/l, Max	22	200	400
14.	Total Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max	45	200	600
15.	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	59	200	600
16.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
17.	E. Coli / 100 ml	Absent	Absent	Absent

\*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



*Deaheta*  
Principal  
Gargaon College  
Simaluguri, Sivasagar (Assam)



Checked By: Mr. Pankaj Baroi, ENVIROCON

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**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
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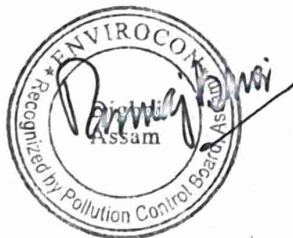
### TEST RESULTS

Sample Ref. No. : GGC/2021/S-1503/01  
Collected On : 15-03-2022

Sample Source : College Playground  
Received On : 16-03-2022

Sample Type : Soil Sample  
Collected By : Envirocon Representative

Sl. No.	Parameters	Results
1.	pH of Water Extract	6.21
2.	% Carbon (dry wt.)	1.33
3.	% Nitrogen (dry wt.)	0.19
4.	Nitrogen & Organic Matter Status	Good
5.	Available K <sub>2</sub> O, ppm	137
6.	Available Potash Status	High
7.	Available Sulphur, ppm	35



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Gargaon College  
Simaluguri Sivasagar (Assam)



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Format No.: ENV/R/TR/19/AA-01

Rev. No.: 00

Report No.	ENV/GGC/SIV/22-23/AA-02	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/AA-02	Sample Source:	Front of College Auditorium (26.92838, 94.74311)	Weather Condition:	Clear & Calm
Date of Sampling:	12.07.2022	Sample Receipt Date:	13.07.2022	Instrument Used:	Fine Dust Sampler & RDS
Analysis Start Date:	15.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
1.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	IS 5182 (Part 24)	24	µg/m <sup>3</sup>	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	IS 5182 (Part 23)	49	µg/m <sup>3</sup>	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 2)	8	µg/m <sup>3</sup>	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO <sub>2</sub> )	IS 5182 (Part 6)	11	µg/m <sup>3</sup>	80 (24 Hours Average)

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per CPCB Guidelines

**Remarks:** Tested results are found to be within limit.



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Principal  
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Simaluguri, Sivasagar (Assam).



Authorised By: Mr. Pankaj Baroi (CEO)

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Report No.	ENV/GGC/SIV/22-23/AA-01	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/AA-01	Sample Source:	Front of Girls Hostel (26.92964, 94.74221)	Weather Condition:	Clear & Calm
Date of Sampling:	12.07.2022	Sample Receipt Date:	13.07.2022	Instrument Used:	Fine Dust Sampler & RDS
Analysis Start Date:	15.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
1.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	IS 5182 (Part 24)	21	µg/m <sup>3</sup>	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	IS 5182 (Part 23)	42	µg/m <sup>3</sup>	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 2)	6	µg/m <sup>3</sup>	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO <sub>2</sub> )	IS 5182 (Part 6)	8	µg/m <sup>3</sup>	80 (24 Hours Average)

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per CPCB Guidelines

Remarks: Tested results are found to be within limit.



Authorised By: Mr. Pankaj Baroi (CEO)



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Report No.	ENV/GGC/SIV/22-23/N-01	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Source:	Around College Campus	Weather Condition:	Clear & Calm	Date of Monitoring:	12.07.2022
Sound Meter Used:	SL-4010/Lutron	Sampled By:	Jadav Dey		

### TEST RESULTS

Sl. No.	Locations	Time Duration	Lmax (dB-A)	Lmin (dB-A)	Leq (dB-A)
1.	Front of Administrative Office	10:15 - 10:30	48.2	42.6	44.5
2.	Front of Girls Hostel	10:45 - 11:00	46.3	38.4	42.9
3.	Front of Auditorium	11:30 - 11:45	51.2	41.7	47.8

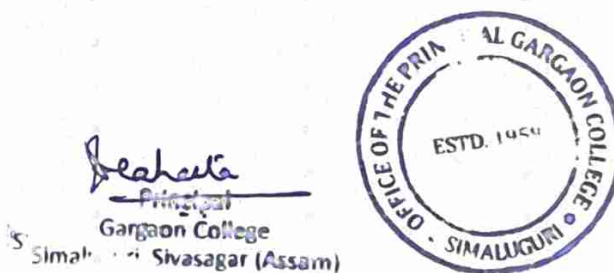
\*\*\*\*\*End of Report\*\*\*\*\*

**Limit :** As per CPCB Guidelines Leq < 50 dB-A

**Remarks:** Tested results are found to be within limit.



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Date : 23/03/2022

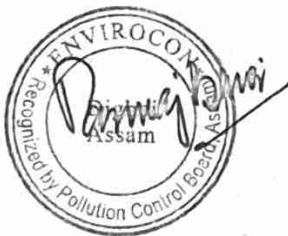
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Simaluguri, Sivasagar - 785686, Assam

**AMBIENT AIR QUALITY TEST RESULTS**

Sl. No.	LOCATION(S) ↓ LIMIT(S) →	Date of Sampling	PM 2.5 (µg/m <sup>3</sup> )	PM 10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
		---	60	100	80	80
01	Front of Girls Hostel	15.03.2022	17	37	7	10
02	Front of College Auditorium	15.03.2022	24	43	12	15

Analysis Protocol: IS 5182



*Dehata*  
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**AMBIENT NOISE LEVEL MEASUREMENT RESULTS**

Sl. No.	Location(s)	Date Of Measurement	Day Time Leq (dB-A)
1	Near College Main Gate	15.03.2022	47.9
2	Front of Girls Hostel	15.03.2022	39.6
3	Front of Auditorium	15.03.2022	44.6
4	Front of Administrative Building	15.03.2022	40.8

**Limit: Day Time- 50 dB-A.**



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Report No.	ENV/GGC/SIV/22-23/DW-01	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/DW-01	Sample Source:	Drinking Water Tap	Sample Type:	Drinking/Potable Water.
Date of Sampling:	13.07.2022	Sample Receipt Date:	13.07.2022	Sample Quantity:	2 Litre
Analysis Start Date:	14.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units	IS 3025 (Part 4)	1	-	5	15
2.	Odour	IS 3025 (Part 05)	No Odour	-	Agreeable	Agreeable
3.	Taste	IS 3025 (Part 07)	No Taste	-	Agreeable	Agreeable
4.	Turbidity	IS 3025 (Part 10)	0.2	NTU	1	5
5.	pH	IS 3025 (Part 11)	6.79	-	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids	IS 3025 (Part 16)	95	mg/l	500	2000
7.	Calcium (as Ca)	IS 3025 (Part 40)	14	mg/l	75	200
8.	Chloride (as Cl)	IS 3025 (Part 32)	6.2	mg/l	250	1000
9.	Copper (as Cu)	IS 3025 (Part 42)	BDL [MDL: 0.001]	mg/l	0.05	1.5
10.	Fluorides (as F)	IS 3025 (Part 60)	BDL [MDL: 0.1]	mg/l	1.0	1.5
11.	Free Residual Chlorine	IS 3025 (Part 26)	BDL [MDL: 0.01]	mg/l	0.2	1
12.	Iron (as Fe)	IS 3025 (Part 53)	BDL [MDL: 0.001]	mg/l	0.3	No Relaxation
13.	Magnesium (as Mg)	IS 3025 (Part 46)	2	mg/l	30	100
14.	Manganese (as Mn)	IS 3025 (Part 59)	BDL [MDL: 0.001]	mg/l	0.1	0.3
15.	Zinc (as Zn)	IS 3025 (Part 49)	BDL [MDL: 0.01]	mg/l	5.0	15
16.	Nitrate (as NO <sub>3</sub> )	IS 3025 (Part 34)	0.8	mg/l	45	No Relaxation
17.	Sulfate (as SO <sub>4</sub> )	IS 3025 (Part 24)	BDL [MDL: 1.0]	mg/l	200	400
18.	Total Alkalinity(as CaCO <sub>3</sub> )	IS 3025 (Part 23)	54	mg/l	200	600
19.	Total Hardness, (as CaCO <sub>3</sub> )	IS 3025 (Part 21)	41	mg/l	200	600
20.	Total Arsenic (as As)	IS 3025 (Part 37)	BDL [MDL: 0.001]	mg/l	0.01	0.05
21.	Total Chromium, (as Cr)	IS 3025 (Part 52)	BDL [MDL: 0.001]	mg/l	0.05	No Relaxation

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per IS 10500:2012

Remarks: Tested results are found to be within limit.

Authorised By: Mr. Pankaj Baroi (CEO)



*Jadav Dey*  
Gargaon  
Simal

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Simaluguri, Sivasagar - 785686, Assam

### TEST RESULTS

Sample Ref. No. : GGC/2021/S-1503/01  
Collected On : 15-03-2022

Sample Source : College Playground  
Received On : 16-03-2022

Sample Type : Soil Sample  
Collected By : Envirocon Representative

Sl. No.	Parameters	Results
1.	pH of Water Extract	6.21
2.	% Carbon (dry wt.)	1.33
3.	% Nitrogen (dry wt.)	0.19
4.	Nitrogen & Organic Matter Status	Good
5.	Available K <sub>2</sub> O, ppm	137
6.	Available Potash Status	High
7.	Available Sulphur, ppm	35



*Deahata*  
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### DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GGC/2022/DW-1603/01  
Collected On : 16-03-2022

Sample Source : Canteen  
Received On : 16-03-2022

Sample Type : Drinking Water  
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.2	1	5
5.	pH	6.84	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	92	500	2000
7.	Calcium (as Ca), mg/l, Max	16	75	200
8.	Chloride (as Cl), mg/l, Max	6.7	250	1000
9.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
10.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
11.	Magnesium (as Mg), mg/l, Max	1	30	100
12.	Nitrate (as NO <sub>3</sub> ), mg/l, Max	<0.1	45	No Relaxation
13.	Sulfate (as SO <sub>4</sub> ), mg/l, Max	22	200	400
14.	Total Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max	45	200	600
15.	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	59	200	600
16.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
17.	E. Coli / 100 ml	Absent	Absent	Absent

\*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/AA-03	Sample Source:	Backside of Geology Department (26.93063, 94.74376)	Weather Condition:	Clear & Calm
Date of Sampling:	12.07.2022	Sample Receipt Date:	13.07.2022	Instrument Used:	Fine Dust Sampler & RDS
Analysis Start Date:	15.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
1.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	IS 5182 (Part 24)	12	µg/m <sup>3</sup>	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	IS 5182 (Part 23)	33	µg/m <sup>3</sup>	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 2)	BDL [MDL: 5.0]	µg/m <sup>3</sup>	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO <sub>2</sub> )	IS 5182 (Part 6)	BDL [MDL: 6.0]	µg/m <sup>3</sup>	80 (24 Hours Average)

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per CPCB Guidelines

Remarks: Tested results are found to be within limit.



*Deahata*  
Principal  
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Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/AA-01	Sample Source:	Front of Girls Hostel (26.92964, 94.74221)	Weather Condition:	Clear & Calm
Date of Sampling:	12.07.2022	Sample Receipt Date:	13.07.2022	Instrument Used:	Fine Dust Sampler & RDS
Analysis Start Date:	15.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

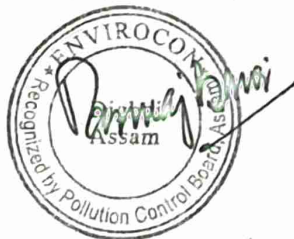
### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
1.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	IS 5182 (Part 24)	21	µg/m <sup>3</sup>	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	IS 5182 (Part 23)	42	µg/m <sup>3</sup>	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 2)	6	µg/m <sup>3</sup>	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO <sub>2</sub> )	IS 5182 (Part 6)	8	µg/m <sup>3</sup>	80 (24 Hours Average)

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per CPCB Guidelines

Remarks: Tested results are found to be within limit.



*Debarshi*  
Principal  
Gargaon College  
Simaluguri, Sivasagar (Assam)



Authorised By: Mr. Pankaj Baroi (CEO)

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
  2. Results refer only to the particular parameters tested.
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Format No.: ENV/R/TR/19/AA-01

Rev. No.: 00

Report No.	ENV/GGC/SIV/22-23/AA-02	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Ref. No.:	ENV/GGC/AA-02	Sample Source:	Front of College Auditorium (26.92838, 94.74311)	Weather Condition:	Clear & Calm
Date of Sampling:	12.07.2022	Sample Receipt Date:	13.07.2022	Instrument Used:	Fine Dust Sampler & RDS
Analysis Start Date:	15.07.2022	Analysis End Date:	18.07.2022	Sampled By:	Jadav Dey

### TEST RESULTS

Sl. No.	Parameters	Test Method	Results	Units	Limits*
1.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	IS 5182 (Part 24)	24	µg/m <sup>3</sup>	60 (24 Hours Average)
2.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	IS 5182 (Part 23)	49	µg/m <sup>3</sup>	100 (24 Hours Average)
3.	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 2)	8	µg/m <sup>3</sup>	80 (24 Hours Average)
4.	Nitrogen Dioxide (as NO <sub>2</sub> )	IS 5182 (Part 6)	11	µg/m <sup>3</sup>	80 (24 Hours Average)

\*\*\*\*\*End of Report\*\*\*\*\*

\*Limits as per CPCB Guidelines

Remarks: Tested results are found to be within limit.



*Jadav Dey*  
Principal  
Gargaon College  
Simaluguri, Sivasagar (Assam)



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Format No.: ENV/R/TR/19/N-01

Rev. No.: 00

Report No.	ENV/GGC/SIV/22-23/N-01	Issue Date	19/07/2022
Order No.	Telecon	Order Date	07/07/2022
Report Issued To	GARGAON COLLEGE Simaluguri, Sivasagar - 785686, Assam		

Sample Source:	Around College Campus	Weather Condition:	Clear & Calm	Date of Monitoring:	12.07.2022
Sound Meter Used:	SL-4010/Lutron	Sampled By:	Jadav Dey		

**TEST RESULTS**

Sl. No.	Locations	Time Duration	Lmax (dB-A)	Lmin (dB-A)	Leq (dB-A)
1.	Front of Administrative Office	10:15 - 10:30	48.2	42.6	44.5
2.	Front of Girls Hostel	10:45 - 11:00	46.3	38.4	42.9
3.	Front of Auditorium	11:30 - 11:45	51.2	41.7	47.8

\*\*\*\*\*End of Report\*\*\*\*\*

**Limit :** As per CPCB Guidelines Leq < 50 dB-A

**Remarks:** Tested results are found to be within limit.



*Jadav Dey*  
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