



Pollution Control Board, Assam

Central Laboratory, Bamunimaidam, Guwahati

অসম প্রদূষণ নিয়ন্ত্ৰণ পৰিষদ

কেন্দ্ৰীয় পরীক্ষাগার, বামুনীমৈদাম, গুৱাহাটী



LiFE
Lifestyle for
Environment

No. WB/LAB-245/Pt-II/23-24/17

Dated Guwahati, the 5 th July, 2023

To

Dr. Gargee Chakraborty,
Principal, Mahendra Narayan Choudhury Balika Mahavidyalaya,
Nalbari, Assam, PIN- 781335.
E-mail- gargeechakraborty@gmail.com

Sub: Submission of Ambient Air Quality, Noise Level and Water quality analysis report of Mahendra Narayan Choudhury Balika Mahavidyalaya, Nalbari.

Ref: Your application for conducting air, noise and water test, dated 31.05.2023

Sir,

With reference to the subject cited above please find herewith the Ambient Air Quality, Noise Level monitoring and Water quality analysis report of your institute. Monitoring was carried out by our Lab scientist during 09.06.2023 to 10.06.2023.

Yours faithfully,

Enclosed: As stated.

(Manoj Saikia)

Addl. Chief Env. Scientist

Memo No. WB/LAB-245/Pt-II/23-24/17-A

Dated Guwahati, the 5 th July, 2023

Copy to:

1. The Member Secretary, Pollution Control Board, Assam for favour of information.

(Manoj Saikia)

Addl. Chief Env. Scientist.



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Test report

REPORT NO.	AA-24/2023		
SERVICE REQUEST NO.	12/2023	SERVICE REQUEST DATE	31.05.2023
DATE OF ISSUE	05.07.2023	SAMPLE RECEIVED DATE	10-06-2023
Location Details: : Mahendra Narayan Choudhury Balika Mahavidyalaya, Nalbari, Assam, PIN-781335			
Location Code	Location Description		GPS Co-Ordinates
L1	At the campus of Mahendra Narayan Choudhury Balika Mahavidyalaya.		Lat-26.44148, Long-91.441785

AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date and Time of Start of Sampling	09-06-2023 ; 1.30 PM
Date and Time of Completion of Sampling	10-06-2023; 1.30 PM
Sampling done by	Sri Chandradhar Deka,SA-I, Manoj Dutta,SA-III
Sampling duration	24 hrs
Date of analysis	12-06-2023
Sampling equipment used	Respirable Dust Sampler & Fine particulate sampler
Ambient Temperature ($^{\circ}\text{C}$)	Max: 35.7 ⁰ Min: 25.6 ⁰
Weather condition	Cloudy sky
Sampler location w.r.t. height from GL	4 to 10 meter

Test Result:

Sl. No	Parameters	Test Method	Sampling Method	Unit	Result	NAAQ Standards as per CPCB, 2009
					Location L1	
1	PM 10 or Particulate Matter of size $\leq 10\text{micron}$	IS:5182 (Part 23)-2006 (Re-affirmed 2017)	IS:5182 (Part 23)-2006 (Re-affirmed 2017)	$\mu\text{g}/\text{m}^3$	66	100
2	PM2.5 or Fine Particulate matter of size $\leq 2.5\text{ micron}$	IS:5182 (Part 24)-2019	IS:5182 (Part 24)-2019	$\mu\text{g}/\text{m}^3$	23	60
3	Sulphur Dioxide as SO_2	IS:5182(Part2)-2001 (Re-affirmed 2017)	IS:5182(Part2)-2001(Re-affirmed 2017)	$\mu\text{g}/\text{m}^3$	6	80
4	Oxides of Nitrogen as NO_2	IS:5182(Part6) (Re-affirmed 2022)	IS:5182(Part6) (Re-affirmed 2022)	$\mu\text{g}/\text{m}^3$	10	80

Note: 1. The results related to the parameter tested only.

Checked By

(G.K. Misra)
Sr. Env. Scientist

Reviewed & Authorized by

(Monoj Saikia)
Addl. Chief Env. Scientist



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Noise Level Monitoring Report

Lab Report No-AN- 67 /23

Date- 05/07/2023

Name of the Institute : Mahendra Narayan Choudhury Balika Mahavidyalaya
Address : Nalbari, Assam, Pin-781335
GPS Co-ordinate : Lat-26.44148, Long-91.441785
Instrument used : 'Casella' CEL-63X Sound Level Meter
Monitoring Carried by : Sri Chandradhar Deka, SA-I, Manoj Kr Dutta, SA-III
Date of Monitoring : 09.06.2023

Location	Noise Level in dB(A) in Leq	Remarks
Inside the College Campus	63.9	All data are collected during day time.

Noise (Ambient Standards) in dB (A) in Leq:

During day time (in between 6.00 AM & 10PM)		During night time (in between 10.00 PM & 6.00 AM)	
Industrial Zone	75	Industrial Zone	70
Commercial Zone	65	Commercial Zone	55
Residential Zone	55	Residential Zone	45
Silence Zone	50	Silence Zone	40

Authorized Signatory

Checked By

(G.K.Misra)
Sr.Env.Scientist

Reviewed & Authorized by

(Monoj Saikia)
Addl. Chief Env. Scientist



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TEST REPORT

REPORT NO.	GW-12/2023	PAGE	1
DATE OF ISSUE	05/07/2023	SERVICE REQUEST DATE	31.05.2023
SERVICE REQUEST NO	----	Sample received on	09.06.2023
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
Dr. Gargee Chakraborty Principal M.N.C Balika Mahavidyalaya Nalbari, Assam		Description: Sampling done by: C. Deka, SA Date of sampling: 09.06.2023 Sampling Location: Tap water from M.N.C Balika. Mahavidyalaya, Nalbari Sampling Protocol: PCBA/LAB/W&WW/SOP/02 Packing: Sealed Marking: Labeled Quantity: 2 Ltrs. Analysis start Date: 09.06.2023 Analysis end Date: 17.06.2023	

S. No.	Parameters	Unit	Results	Permissible Limit (IS 10500:2012)	Test Method
Physico-Chemical Parameter					
1	pH @25°C	-	6.9	6.5 – 8.5	APHA 23 rd Edition, 4500-H ⁺ B: 2017
2	Conductance	µs/cm	238	-----	APHA 23 rd Edition, 2510-B: 2017
3	Turbidity	NTU	4	5	APHA 23 rd Edition, 2130-B: 2017
4	Total Dissolved Solid (TDS)	mg/l	150.0	2000	APHA 23 rd Edition, 2540-C: 2017
5	Total Hardness as CaCO ₃	mg/l	74.0	600	APHA 23 rd Edition, 2340-C: 2017
6	Total Alkalinity as CaCO ₃	mg/l	76.0	600	APHA 23 rd Edition, 2320-B: 2017
7	Suspended Solid	mg/l	16.0		APHA 23 rd Edition, 2540-D: 2017
8	Chloride as Cl ⁻	mg/l	10.0	1000	APHA 23 rd Edition, 4500-Cl ⁻ B:2017
9	Calcium	mg/l	50.0	200	APHA 23 rd Edition, 3500-Ca B
10	Magnesium	mg/l	24.0	100	APHA 23 rd Edition, 3500-Na B
11	Sulphate	mg/l	18.4	400	APHA 23 rd Edition, 4500-SO ₄ ²⁻ E
12	Nitrate	mg/l	0.8	45	APHA 23 rd Edition, 4500-NO ₃ C
13	Fluoride	mg/l	0.14	1.5	APHA 23 rd Edition, 4500-F-C

End of Report

Note:

- The results given above are related to the tested sample, for various parameters as analyzed. The customer asked for the above tests only.
- This test will not be generated again, either wholly or in part, without written permission of the laboratory.
- The samples will be disposed-off after Fifteen days from the date of issue of test report, unless until specified / requested by the customer.
- For any further query related to analysis results please contact QM, PCBA, Central Laboratory,
- This test report cannot be reproduced except with the permission of the laboratory.


(Dr. N. Doley)
AEES

Checked By


(M. D. Adhikary)
Sr. Env. Scientist

Authorised Signatory

Head Office : Bamunimaidam, Guwahati - 781021, Assam : India.

Phone : 2652774 & 2550258; Website : www.pcbassam.org; E-mail: membersecretary@pcbassam.org



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Central Laboratory, Bamunimaidam, Guwahati

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S. No.	Parameters	Unit	Results	Permissible Limit (IS 10500:2012)	Test Method
Physico-Chemical Parameter					
1	Iron as Fe	mg/l	0.42	0.3	APHA23rd Edition, 3500-Fe B:2017
2	Total Coliform	MPN/100ml	Nil	Shall not be detectable in any 100 ml sample	APHA23rd Edition, 9221B:2017
3	Faecal Coliform	MP N/100ml	Nil	Shall not be detectable in any 100 ml of sample	APHA 23 rd Edition, 9221E:2017

End of Report

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(Dr. N. Doley)
AEES

Checked By


(M. D. Adhikary)
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Head Office : Bamunimaidam, Guwahati - 781021, Assam : India.

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