

**Goldstone Cements Limited**

CIN: U26940ML2007PLC008298

o/c

No: GSCL/EHS/2024-25/93

Dated: 08.10.2024

To,  
The Member Secretary,  
Meghalaya State Pollution Control Board,  
Arden, Lumpynggad,  
Shillong, Meghalaya - 793014

Sub: Submission of Monthly Environmental Monitoring Reports

Dear Sir,

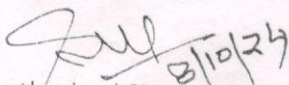
In reference to the above subject, we are submitting Umtyra Mines Monthly Environmental Monitoring Report for the month of September-2024.

We request you to acknowledge receipt of the same.....

Thanking You,

Yours faithfully.

For Goldstone Cements Limited

  
Authorized Signatory

Encl: As above



**CORPORATE OFFICE**

PS Srijan Corporate Park, Block GP-G2, Tower-1,  
Unit No. 1908, 19th Floor, Salt Lake, Sector-V,  
Kolkata (India) - 700091

**BLACK  
TIGER**

**SALES & MARKETING OFFICE**

5A, 5th Floor, Shine Tower, 57, Sati Jaymati Road,  
Arya Chowk, Rehabari, Guwahati,

Report No.: ENV/GSCL/24-25/AA-05/02

Date : 07/10/2024

Order No.: FFE/7500005406

Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

**AMBIENT AIR QUALITY TEST RESULTS**

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	LIMIT(S) →	---	60	100	80	80
01	Near Umtyra Mines Office	23.09.2024	34.8	58.2	<5.0	<6.0
02	Near Umtyra Mines View Point	23.09.2024	36.2	61.7	<5.0	<6.0

Analysis Protocol: IS 5182

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

**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.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/24-25/N-05/02

Date : 07/10/2024

Order No.: FFE/7500005406

Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

**NOISE LEVEL MEASUREMENT RESULTS**

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Near Umtyra Mines Office	23.09.2024	64.5	75	55.4	70
2	Near Umtyra Mines View Point	23.09.2024	64.3	75	57.1	70
3	Near Umtyra Mines Loading Point	23.09.2024	68.1	75	63.9	70
4	Near Umtyra Mines Haul Road	23.09.2024	70.5	75	62.7	70

**Note:** The results reported above are the instantaneous recorded data of sound level.Checked By: Mr. Pankaj Baroi, **ENVIROCON**

- 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.
  3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/24-25/N-05/02

Date : 07/10/2024

Order No.: FFE/7500005406

Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

### FUGITIVE EMISSION TEST RESULTS

Sl. No.	Location	Date of Sampling	SPM ( $\mu\text{g}/\text{m}^3$ )	Limit ( $\mu\text{g}/\text{m}^3$ )
1.	Near Loading Area Umtyra Mines	23.09.2024	1728	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

**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.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/24-25/SW-09/01  
Date : 07/10/2024

Order No.: FFE/7500005406  
Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**  
Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/SW-2309/01  
Collected On : 23-09-2024

Sample Source : Mines Nala Upstream  
Received On : 26-09-2024

Sample Type : Surface Water  
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	12	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	25.4	--
4.	pH Value	6.75	6.5 - 8.5
5.	Suspended Solids	41	--
6.	Total Dissolved Solids, mg/l, Max.	143	500
7.	Conductivity, $\mu\text{S}/\text{cm}$	244	--
8.	Dissolved Oxygen, mg/l, Min.	6.6	--
9.	Biochemical Oxygen Demand, mg/l, Max.	11.4	--
10.	Chemical Oxygen Demand, mg/l, Max.	40	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as $\text{CaCO}_3$ ), mg/l, Max.	8.7	200
14.	Calcium (as Ca), mg/l, Max.	23	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.069	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	5.6	--
18.	Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max.	34	--
19.	Free Ammonia (as $\text{NH}_3$ ), mg/l, Max.	<0.01	--

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

**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.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No.: ENV/GSCL/24-25/SW-09/02

Date : 07/10/2024

Order No.: FFE/7500005406

Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

**SURFACE WATER ANALYSIS RESULTS**

Sample Ref. No. : GSCL/2024/SW-2309/02

Sample Source : Mines Nala Downstream

Sample Type : Surface Water

Collected On : 23-09-2024

Received On : 26-09-2024

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	10	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	25.7	--
4.	pH Value	6.70	6.5 - 8.5
5.	Suspended Solids	36	--
6.	Total Dissolved Solids, mg/l, Max.	137	500
7.	Conductivity, $\mu\text{S}/\text{cm}$	238	--
8.	Dissolved Oxygen, mg/l, Min.	7.2	--
9.	Biochemical Oxygen Demand, mg/l, Max.	9.2	--
10.	Chemical Oxygen Demand, mg/l, Max.	58	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as $\text{CaCO}_3$ ), mg/l, Max.	8.5	200
14.	Calcium (as Ca), mg/l, Max.	13	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.053	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	6.2	--
18.	Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max.	34.8	--
19.	Free Ammonia (as $\text{NH}_3$ ), mg/l, Max.	<0.01	--

Analysis Protocol: IS 3025

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

**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.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/24-25/DW-09/01

Date : 07/10/2024

Order No.: FFE/7500005406

Date : 20/06/2024

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

### DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/DW-2309/01

Sample Source : Mines Office

Sample Type : Drinking Water

Collected On : 23-09-2024

Received On : 26-09-2024

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour , Hazen Units, Max	3	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.22	1	5
5.	Ph	6.85	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	63	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	15	75	200
10.	Chloride (as Cl), mg/l, Max	4.1	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	0.014	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	3	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO <sub>3</sub> ), mg/l, Max	<0.1	45	No Relaxation
19.	Sulfate (as SO <sub>4</sub> ), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

\*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

**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.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.