

o/c



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.09.2024

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpyngngad,
Shillong, Meghalaya.

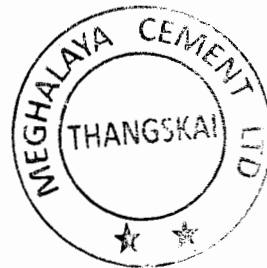
Dear Sir,

We are herewith submitting the Ambient Air Quality Survey report, Ambient Noise Survey report and Water Analysis report for the month of August'2024 for Limestone mining for an area of 31.05 Ha, at South Khliehjeri.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



Mul...
Authorized Signatory



Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshrong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : 03655 278324 / 363 / 364
Fax : 03655 278327
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666





Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.I. (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171
Ph: 03751-264414, 9435008657, 9876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/MCL/24-25/AA-08/01
Date : 09/09/2024

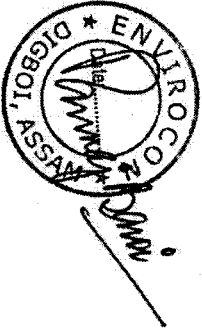
Order No.: 4700031573
Date : 14/08/2024

Report Issued To: **MEGHALAYA CEMENTS LIMITED**
Village: Thangskai, PO: Lumshong, Meghalaya

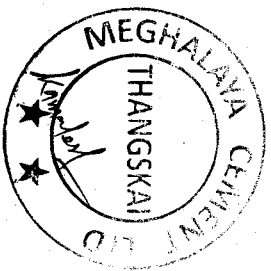
AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)	NH ₃ (µg/m³)	CO (mg/m³)	O ₃ (µg/m³)	B(a)P (ng/m³)	CH ₄ (µg/m³)	NI (ng/m³)	As (ng/m³)	Pb (µg/m³)
LIMITS →	-	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Near Residential Colony	27.08.2024	29.6	53.4	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Wahajer Village	28.08.2024	20.7	40.6	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, ENVIROCON



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

Report No.: ENV/MCL/24-25/AA-08/02
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
	LIMIT(S) →	---	60	100	80	80
01	Near Soil Dump	28.08.2024	30.5	53.7	7.5	7.9
02	Near Haul Road	28.08.2024	33.8	57.2	8.7	9.3
03	Near Lease Boundary	28.08.2024	29.4	52.9	7.3	7.6

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON



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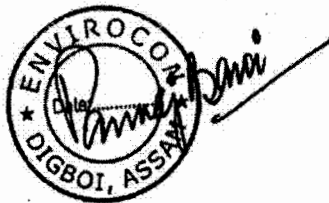
Report No.: ENV/MCL/24-25/N-08/02
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	Mines Haul Road	28.08.2024	68.4	75	61.9	70
2	Near Soil Dump	28.08.2024	63.9	75	59.3	70
3	Near Lease Boundary	28.08.2024	65.7	75	61.4	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/N-08/01

Date : 09/09/2024

Order No.: 4700031573

Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

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	Residential Colony	27.08.2024	47.3	55	41.4	45
2	Near L.S Crusher	27.08.2024	70.4	75	66.7	70
3	Thangskai Village	27.08.2024	40.9	55	35.4	45
4	Near CCR Building	27.08.2024	69.2	75	65.8	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SW-08/01
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2808/01
Collected On : 28-08-2024

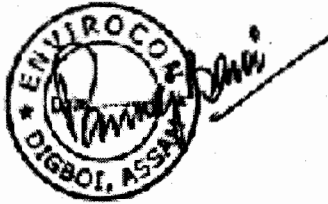
Sample Source : Um-Lunar River Upstream
Received On : 31-08-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.69	6.5 - 8.5	No Relaxation
5.	Suspended Solids	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	131	500	2000
7.	Conductivity, μ S/cm	183	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.4	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	27	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	8.5	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	5.7	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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/MCL/24-25/SW-08/02
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2808/02
Collected On : 28-08-2024

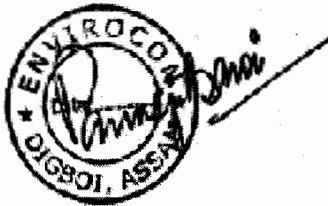
Sample Source : Um-Lunar River Downstream
Received On : 31-08-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	15	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.63	6.5 - 8.5	No Relaxation
5.	Suspended Solids	58	--	--
6.	Total Dissolved Solids, mg/l, Max.	141	500	2000
7.	Conductivity, μ S/cm	189	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	38	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	8.9	200	600
14.	Calcium (as Ca), mg/l, Max.	23	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	2.7	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	6.9	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON



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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.



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.09.2024

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

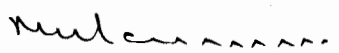
Dear Sir,

We are herewith submitting the Ambient Air Quality survey report along with stack analysis report, Ambient Noise survey report and Water analysis report for the month of August'2024 for 2600 TPD Cement Manufacturing Plant along with 10 MW Captive Power Plant report respectively.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED


Authorized Signatory



Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
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E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : 03655 278324 / 363 / 364
Fax : 03655 278327
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



Report No.: ENV/MCL/24-25/AA-08/03
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
	LIMIT(S) →	---	60	100	80	80
01	Near CCR Building	27.08.2024	26.3	46.2	<5.0	<6.0
02	Near LS Crusher	27.08.2024	33.9	54.7	6.9	7.4
03	Near CPP Area	27.08.2024	34.1	55.2	7.3	7.9

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-08/11

Date : 09/09/2024

Order No.: 4700031573

Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/11		
02	Date of Sampling	29.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Stack Diameter (Meter)	1.19		
06	Flue Gas Temperature (°C)	28		
07	Exit Velocity of Gas (m/sec)	4.4		
08	Flow Rate (Nm ³ /hr)	17444		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	12	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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/MCL/24-25/SE-08/12
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/12		
02	Date of Sampling	29.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Secondary Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	32		
07	Exit Velocity of Gas (m/sec)	4.7		
08	Flow Rate (Nm ³ /hr)	12986		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Particulate Matter	16	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-08/07
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/07		
02	Date of Sampling	28.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	RABH (Kiln & Raw Mill)- 1		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	171		
07	Exit Velocity of Gas (m/sec)	16.8		
08	Flow Rate (Nm ³ /hr)	286968		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	608	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	338	mg/Nm ³	600



Checked By: Mr. Pankaj Baroi, ENVIROCON

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ENVIROCON

Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/MCL/24-25/SE-08/08
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/08		
02	Date of Sampling	28.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	RABH (Kiln & Raw Mill)- 2		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	165		
07	Exit Velocity of Gas (m/sec)	16.2		
08	Flow Rate (Nm ³ /hr)	244355		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	611	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	277	mg/Nm ³	600



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Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/01		
02	Date of Sampling	27.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill - 1		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	12.2		
08	Flow Rate (Nm ³ /hr)	44182		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-08/02
 Date : 09/09/2024

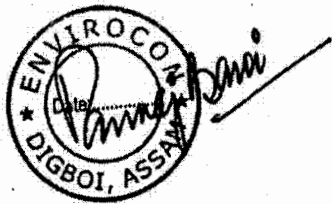
Order No.: 4700031573
 Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/02		
02	Date of Sampling	27.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill - 2		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	47		
07	Exit Velocity of Gas (m/sec)	10.9		
08	Flow Rate (Nm ³ /hr)	39967		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	21	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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Report No.: ENV/MCL/24-25/SE-08/05
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/05		
02	Date of Sampling	28.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P. - 1		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	111		
07	Exit Velocity of Gas (m/sec)	7.4		
08	Flow Rate (Nm ³ /hr)	127316		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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/MCL/24-25/SE-08/06

Date : 09/09/2024

Order No.: 4700031573

Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya**STACK EMISSION TEST RESULTS**

01	Test Ref. No.	MCL/2024/SE-08/06		
02	Date of Sampling	28.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P. - 2		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	116		
07	Exit Velocity of Gas (m/sec)	7.9		
08	Flow Rate (Nm ³ /hr)	134171		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i	Particulate Matter	25	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/SE-08/09
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/09		
02	Date of Sampling	29.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 1		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	65		
07	Exit Velocity of Gas (m/sec)	12.4		
08	Flow Rate (Nm ³ /hr)	44518		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/SE-08/10
Date : 09/09/2024

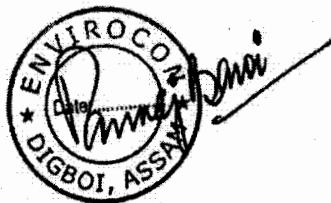
Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/10		
02	Date of Sampling	29.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 2		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	68		
07	Exit Velocity of Gas (m/sec)	14.9		
08	Flow Rate (Nm ³ /hr)	53022		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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/MCL/24-25/SE-08/03

Date : 09/09/2024

Order No.: 4700031573

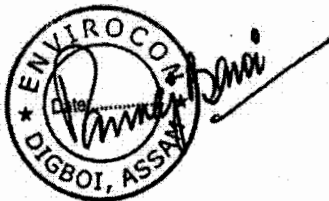
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/03		
02	Date of Sampling	27.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant No. 1		
05	Stack Diameter (Meter)	0.6		
06	Flue Gas Temperature (°C)	29		
07	Exit Velocity of Gas (m/sec)	12.6		
08	Flow Rate (Nm ³ /hr)	12447		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/SE-08/04
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/04		
02	Date of Sampling	27.08.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant No. 2		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	31		
07	Exit Velocity of Gas (m/sec)	14.7		
08	Flow Rate (Nm ³ /hr)	40748		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-08/13
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-08/13		
02	Date of Sampling	29.08.2024		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Stack Diameter (Meter)	2.53		
06	Flue Gas Temperature (°C)	97		
07	Exit Velocity of Gas (m/sec)	7.8		
08	Flow Rate (Nm ³ /hr)	113710		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	41	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	409	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	160	mg/Nm ³	300
iv.	Mercury (as Hg)	<0.001	mg/Nm ³	0.03



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/N-08/01
 Date : 09/09/2024

Order No.: 4700031573
 Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

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	Residential Colony	27.08.2024	47.3	55	41.4	45
2	Near L.S Crusher	27.08.2024	70.4	75	66.7	70
3	Thangskai Village	27.08.2024	40.9	55	35.4	45
4	Near CCR Building	27.08.2024	69.2	75	65.8	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SW-08/01
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2808/01
Collected On : 28-08-2024

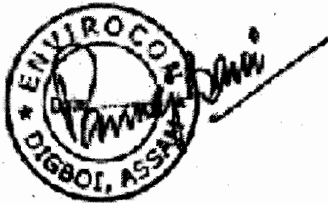
Sample Source : Um-Lunar River Upstream
Received On : 31-08-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.69	6.5 - 8.5	No Relaxation
5.	Suspended Solids	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	131	500	2000
7.	Conductivity, μ S/cm	183	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.4	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	27	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	8.5	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	5.7	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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/MCL/24-25/SW-08/02
Date : 09/09/2024

Order No.: 4700031573
Date : 14/08/2024

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No.: MCL/2024/SW-2808/02
Collected On : 28-08-2024

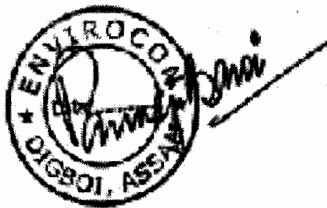
Sample Source : Um-Lunar River Downstream
Received On : 31-08-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	15	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.63	6.5 - 8.5	No Relaxation
5.	Suspended Solids	58	--	--
6.	Total Dissolved Solids, mg/l, Max.	141	500	2000
7.	Conductivity, μ S/cm	189	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	38	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	8.9	200	600
14.	Calcium (as Ca), mg/l, Max.	23	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	2.7	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	6.9	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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.



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.09.2024

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpyngngad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the Process Fugitive Emission report of the month August'2024 for 2600 TPD Cement Manufacturing Plant along with 10 MW Captive Power Plant report respectively.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



[Signature]
Authorized Signatory



Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : 03655 278324 / 363 / 364
Fax : 03655 278327
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



Report No.: ENV/MCL/24-25/FE-08/01
Date : 09/09/2024

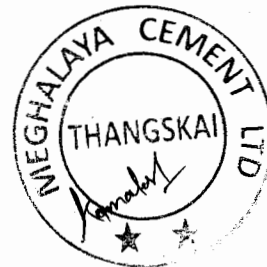
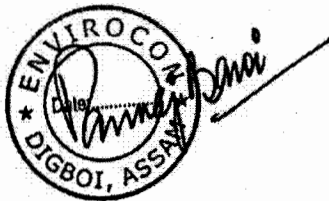
Order No.: 4700031573
Date : 14/08/2024

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Cement Loading Point	29.08.2024	831	2000
02	CPP Coal Storage	29.08.2024	765	2000
03	Clinker Loading Point	28.08.2024	1952	5000
04	Raw Material Yard	28.08.2024	739	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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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.

MEGHALAYA CEMENTS LIMITED

PROCESS FUGITIVE EMISSION TEST RESULTS


August'2024

Date of Testing	Location	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	As per the Standard Limit ($\mu\text{g}/\text{m}^3$)
03.08.2024	Lime stone Storage Area	1856	5000
05.08.2024	Coal Storage Area	1034	2000
9.08.2024	Clinker Loading Area	2073	5000
10.08.2024	Cement Loading Area	2675	5000
12.08.2024	Coal Storage Area (CPP)	1268	2000
14.08.2024	Fly Ash Silo Area (CPP)	934	2000

Prepared by


(Abhigyan Gautam)

Checked & Verified by


(Kamlesh Kr. Choudhary)



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 10.09.2024

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpyngngad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the water consumption report of 10 MW Captive Power Plant for the month of August'2024.

Month

August'2024

Water Consumption

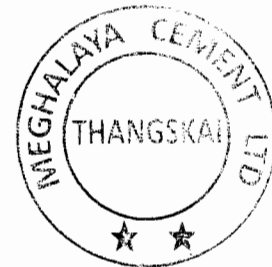
17,075m³

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Mul...
Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17785 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 10.09.2024

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

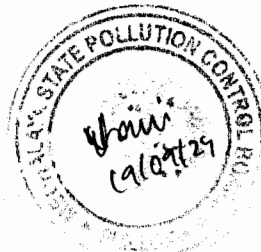
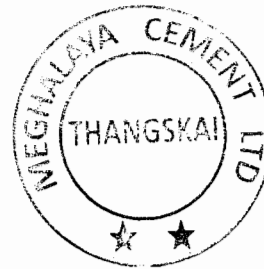
Dear Sir,

We are herewith submitting the water consumption report of 2600 TPD Cement Manufacturing Plant for the month of August'2024.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



Mul...
Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
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Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

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Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17765 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666

MEGHALAYA CEMENTS LIMITED

FORM - I

(See Rule 4)

Return: Water consumed during the month of August'2024

Name and Address of the consumer	Purpose for which water consumed	Source Tube Well, River etc	Reading at the beginning of the first day of the calendar month under report	Reading at the end of the last day of the calendar month under report	Quantity of water consumed in Kilolitres	If the meter was out of order the monthly average consumption of water for the previous 3 month of working periods	Quantity of water qualifying for rebate according to the assesses	Remarks (*)
1	2	3	4	5	6	7	8	9
MEGHALAYA Cements Ltd. Village - Thangskai P.O - Lumshnong Pin No 793210 Jaintia Hills - MEGHALAYA	Domestic purpose Industrial cooling Industrial Purpose	River River	(a) 462047 (b) 63934 (c) 864244 (a) 320878 (b) 325331 (c) 905781	(a) 463758 (b) 64964 (c) 865173 (a) 326978 (b) 335465 (c) 911867	3970 10,375 Nil	- - -	- - -	Qty. of water consumed from river water = 3,670 + 10,075 = 14,045 KL Qty of water circulation & returned = 9,465 + 2,481 = 11,946 KL

For claiming the rebate under the column 7, the assesses has indicated in this column that has been analytical and the test report were annexed in this return to support the claim.

Note: (1) Initial reading of the return line flow meter at the beginning of the month = 29, 52, 637
 reading of the return line flow meter at end of month = 1, 86, 138
 (2) Initial reading of S.T.P flow meter at the beginning of the month = 1, 88, 613
 Final reading of S.T.P flow meter at the end of the month = 1, 88, 613

