



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.11.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
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 **October'2025** for Limestone mining for an area of 31.05 Ha, at South Khliehji.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**



[Signature]
Authorized Signatory

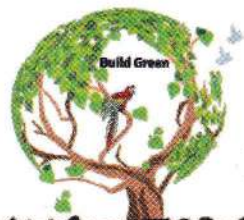


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Sector-1, Kolkata - 700 064
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Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District: East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : 03655 278324 / 363 / 364
Fax : 03655 278327
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



Report No.: ENV/MCL/25-26/AA-10/01
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	CO (mg/m ³)	O ₃ (µg/m ³)	B(a)P (ng/m ³)	C ₆ H ₆ (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)
Wahiajer Village	15.10.2025	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)
		18.4	39.6	<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/25-26/AA-10/02
Date : 07/11/2025

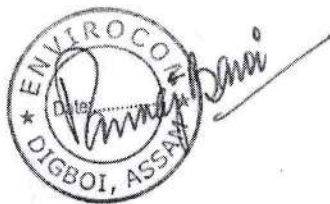
Order No.: 4700036589
Date : 11/10/2025

Report Issued To: **M/S. MEGHALAYA CEMENTSLIMITED**
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	15.10.2025	28.2	61.2	6.7	9.2
02	Near Haul Road	15.10.2025	32.5	64.3	9.5	12.3
03	Near Lease Boundary	15.10.2025	30.3	62.5	6.4	7.7

Analysis Protocol: IS 5182



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Report No.: ENV/MCL/25-26/N-10/02

Date : 07/11/2025

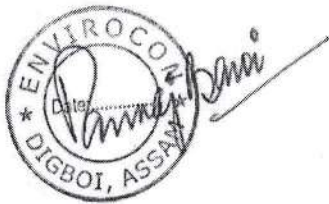
Order No.: 4700036589

Date : 11/10/2025

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	Mines Haul Road	15.10.2025	63.3	75	54.7	70
2	Near Soil Dump	15.10.2025	55.1	75	52.2	70
3	Near Lease Boundary	15.10.2025	60.8	75	51.4	70



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Report No.: ENV/MCL/25-26/WW-10/01
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

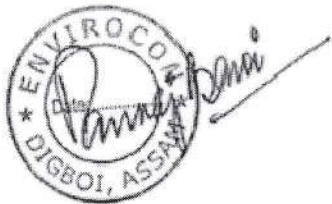
Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/ETP-1710/01 Sample Source : ETP Outlet (MCL) Sample Type : ETP Treated Water
Collected On : 17-10-2025 Received On : 23-10-2025 Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Limit [G.S.R. 422(E), 19.05.1993]
1	Ph	6.74	6.5 – 9.0
2	Temperature, °C	25.8	shall not exceed 5°C above the receiving water temperature
3	Total Suspended Solids (as TSS), mg/l	21	100
4	Biochemical Oxygen Demand (as BOD), mg/l	24	30
5	Chemical Oxygen Demand (as COD), mg/l	78	250
6	Oil & Grease, mg/l	<4.0	10.0
7	Total Residual Chlorine, mg/l	<0.01	1.0
8	Ammonical Nitrogen (as N), mg/l	9.7	50
9	Total Kjeldahl Nitrogen (as NH ₃), mg/l	27	100
10	Free Ammonia (as NH ₃), mg/l	<0.01	5.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/WW-10/02

Date : 07/11/2025

Order No.: 4700036589

Date : 11/10/2025

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

Sample Ref. No.: MCL/2025/STP-1710/01

Sample Source : STP Outlet (MCL)

Sample Type : STP Treated Water

Collected On : 17-10-2025

Received On : 23-10-2025

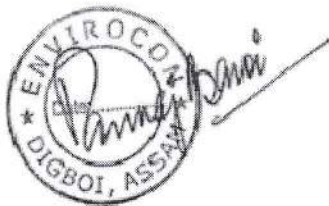
Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Limit [G.S.R. 1265 (E), 2017]
1	Ph	7.12	6.5 - 9.0
2	Total Suspended Solids (as TSS), mg/l	27	<100
3	Fecal Coliform (as FC), MPN/100 ml	634	<1000
4	Biochemical Oxygen Demand (as BOD), mg/l	23	30
5	Chemical Oxygen Demand (as COD), mg/l	89	250*
6	Oil & Grease, mg/l	<4.0	10.0*
7	Total Residual Chlorine, mg/l	0.06	1.0*
8	Ammonical Nitrogen (as N), mg/l	6.7	50*
9	Total Kjeldahl Nitrogen (as NH ₃), mg/l	19	100*
10	Free Ammonia (as NH ₃), mg/l	<0.01	5.0*

Analysis Protocol: IS 3025

MPN: Most Probable Number

*Limit as per G.S.R. 422(E), 19.05.1993



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Report No.: ENV/MCL/25-26/DW-10/01

Date : 07/11/2025

Order No.: 4700036589

Date : 11/10/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/01

Sample Source : Residential Colony

Sample Type : Drinking Water

Collected On : 17-10-2025

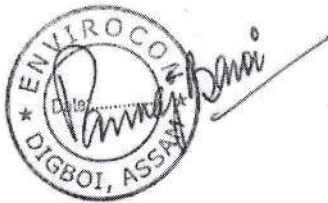
Received On : 23-10-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	2	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.03	1	5
5.	pH	6.82	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	41	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	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	4.4	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	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	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 ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/01
Collected On : 17-10-2025

Sample Source : Residential Colony
Received On : 23-10-2025

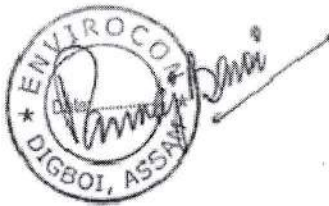
Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/l, Max	37	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	5.6	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



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MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.11.2025

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 **October'2025** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



Mukul...
Authorized Signatory



Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
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Kolkata :
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HELPLINE NO : 18001233666



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Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

Report Issued To: **MEGHALAYA CEMENTS LIMITED**
Village: Thangskai, P.O: Lumshnong, 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)	C ₆ H ₆ (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)
Wahajer Village	15.10.2025	18.4	39.6	<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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Report No.: ENV/MCL/25-26/AA-10/03
Date : 07/11/2025

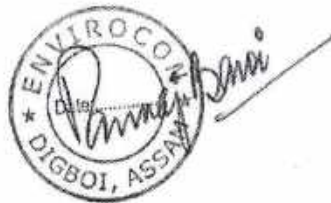
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Village: Thangskai; PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near CCR Building	16.10.2025	31.3	62.1	7.1	8.2
02	Near Residential Colony	16.10.2025	27.5	57.2	6.2	6.8
03	Near L/S Crusher	16.10.2025	33.5	66.7	9.3	11.5

Analysis Protocol: IS 5182



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Report No.: ENV/MCL/25-26/SE-10/05
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/05		
02	Date of Sampling	16.10.2025		
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)	4.3		
08	Flow Rate (Nm ³ /hr)	17048		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	15	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/06
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/06		
02	Date of Sampling	16.10.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Secondary Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature [°C]	30		
07	Exit Velocity of Gas (m/sec)	4.5		
08	Flow Rate (Nm ³ /hr)	12515		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	18	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/12
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/12		
02	Date of Sampling	17.10.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	VRM		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature [°C]	63		
07	Exit Velocity of Gas (m/sec)	10.1		
08	Flow Rate (Nm ³ /hr)	37564		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	22	mg/Nm ³	30



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-10/11
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/11		
02	Date of Sampling	17.10.2025		
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)	178		
07	Exit Velocity of Gas (m/sec)	15.8		
08	Flow Rate (Nm ³ /hr)	265698		
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	19	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	631	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	315	mg/Nm ³	600
iv.	Carbon Monoxide (as CO)	236	mg/Nm ³	NA
v.	Carbon Dioxide (as CO ₂)	6.2	%	NA
vi.	Oxygen (as O ₂)	12.8	%	NA

NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/10
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/10		
02	Date of Sampling	17.10.2025		
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)	173		
07	Exit Velocity of Gas (m/sec)	15.6		
08	Flow Rate (Nm ³ /hr)	231084		
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	22	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	639	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	317	mg/Nm ³	600
iv.	Carbon Monoxide (as CO)	251	mg/Nm ³	NA
v.	Carbon Dioxide (as CO ₂)	6.9	%	NA
vi.	Oxygen (as O ₂)	12.2	%	NA



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Report No.: ENV/MCL/25-26/SE-10/03
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/03		
02	Date of Sampling	15.10.2025		
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)	7.2		
08	Flow Rate (Nm ³ /hr)	123875		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/04
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/04		
02	Date of Sampling	15.10.2025		
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)	114		
07	Exit Velocity of Gas (m/sec)	7.9		
08	Flow Rate (Nm ³ /hr)	134864		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	28	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-10/01
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/01		
02	Date of Sampling	15.10.2025		
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)	64		
07	Exit Velocity of Gas (m/sec)	11.7		
08	Flow Rate (Nm ³ /hr)	42129		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/02

Date : 07/11/2025

Order No.: 4700036589

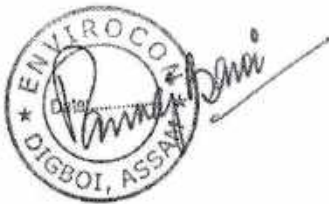
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/02		
02	Date of Sampling	15.10.2025		
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)	61		
07	Exit Velocity of Gas (m/sec)	12.6		
08	Flow Rate (Nm ³ /hr)	45777		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/25-26/SE-10/07
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/07		
02	Date of Sampling	16.10.2025		
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)	13.4		
08	Flow Rate (Nm ³ /hr)	13237		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-10/08
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/08		
02	Date of Sampling	16.10.2025		
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)	30		
07	Exit Velocity of Gas (m/sec)	11.3		
08	Flow Rate (Nm ³ /hr)	31427		
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



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Report No.: ENV/MCL/25-26/SE-10/09

Date : 07/11/2025

Order No.: 4700036589

Date : 11/10/2025

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-10/09		
02	Date of Sampling	17.10.2025		
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)	95		
07	Exit Velocity of Gas (m/sec)	7.1		
08	Flow Rate (Nm ³ /hr)	104068		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	42	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	426	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	185	mg/Nm ³	300



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Report No.: ENV/MCL/25-26/N-10/01

Date : 07/11/2025

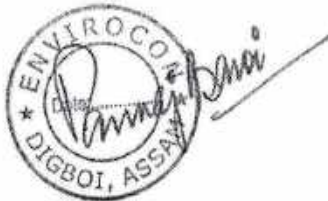
Order No.: 4700036589

Date : 11/10/2025

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	Near L/S Crusher	16.10.2025	71.3	75	67.1	70
2	Residential Colony	16.10.2025	47.4	75	41.4	70
3	Wahijjer Village	15.10.2025	42.5	55	39.2	45
4	Near CCR Building	16.10.2025	67.2	75	59.5	70



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Report No.: ENV/MCL/25-26/DW-10/01

Order No.: 4700036589

Date : 07/11/2025

Date : 11/10/2025

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/01

Sample Source : Residential Colony

Sample Type : Drinking Water

Collected On : 17-10-2025

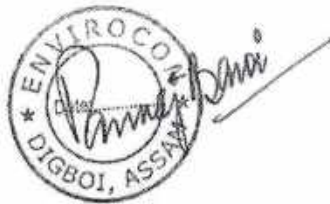
Received On : 23-10-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	2	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.03	1	5
5.	pH	6.82	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	41	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	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	4.4	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	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	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 ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ 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



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Report No.: ENV/MCL/25-26/DW-10/01

Date : 07/11/2025

Order No.: 4700036589

Date : 11/10/2025

 Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/01

Sample Source : Residential Colony

Sample Type : Drinking Water

Collected On : 17-10-2025

Received On : 23-10-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	37	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	5.6	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.


Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/DW-10/02

Date : 07/11/2025

Order No.: 4700036589

Date : 11/10/2025

 Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/02

Sample Source : CCR Building

Sample Type : Drinking Water

Collected On : 17-10-2025

Received On : 23-10-2025

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	0.05	1	5
5.	pH	6.81	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	47	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	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	5.6	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	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	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 ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ 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



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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/25-26/DW-10/02
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/DW-1710/02
Collected On : 17-10-2025

Sample Source : CCR Building
Received On : 23-10-2025

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/l, Max	38	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	5.9	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



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/MCL/25-26/WW-10/02
Date : 07/11/2025

Order No.: 4700036589
Date : 11/10/2025

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

WASTE WATER ANALYSIS RESULTS

Sample Ref. No.: MCL/2025/STP-1710/01 Sample Source: STP Outlet (MCL) Sample Type: STP Treated Water
Collected On : 17-10-2025 Received On : 23-10-2025 Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Limit [G.S.R. 1265 (E), 2017]
1	Ph	7.12	6.5 – 9.0
2	Total Suspended Solids (as TSS), mg/l	27	<100
3	Fecal Coliform (as FC), MPN/100 ml	634	<1000
4	Biochemical Oxygen Demand (as BOD), mg/l	23	30
5	Chemical Oxygen Demand (as COD), mg/l	89	250*
6	Oil & Grease, mg/l	<4.0	10.0*
7	Total Residual Chlorine, mg/l	0.06	1.0*
8	Ammonical Nitrogen (as N), mg/l	6.7	50*
9	Total Kjeldahl Nitrogen (as NH ₃), mg/l	19	100*
10	Free Ammonia (as NH ₃), mg/l	<0.01	5.0*

Analysis Protocol: IS 3025

MPN: Most Probable Number

*Limit as per G.S.R. 422(E), 19.05.1993



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.

etc



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.11.2025

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

Dear Sir,

We are herewith submitting the Process Fugitive Emission report of the month **October'2025** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

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
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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/25-26/FE-10/01

Date : 07/11/2025

Order No.: 4700036589

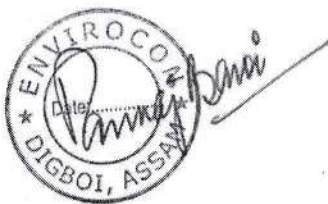
Date : 11/10/2025

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	17.10.2025	1348	2000
02	CPP Coal Yard	17.10.2025	1257	2000
03	Clinker Loading Point	16.10.2025	3326	5000
04	Raw Material Yard	16.10.2025	3109	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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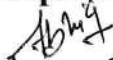
Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

PROCESS FUGITIVE EMISSION TEST RESULTS

October'2025

Date of Testing	Location	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	As per the Standard Limit ($\mu\text{g}/\text{m}^3$)
21.10.2025	Lime stone Storage Area	2581	5000
22.10.2025	Coal Storage Area	1291	2000
23.10.2025	Clinker Loading Area	2754	5000
24.10.2025	Cement Loading Area	2921	5000
25.10.2025	Coal Storage Area (CPP)	1236	2000
27.10.2025	Fly Ash Silo Area (CPP)	1189	2000

Prepared by


(Abhigyan Gautam)

Checked & Verified by


(Ujjwal Anurag)





MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125

etc



To,

Date: 10.11.2025

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

Dear Sir,

We are herewith submitting the water consumption report of **10 MW Captive Power Plant** for the month of **October'2025**.

Month

Water Consumption

October'2025

15,396m³

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**



Mukul Kumar
Authorized Signatory

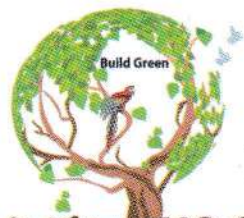


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District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : 03655 278324 / 363 / 364
Fax : 03655 278327
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666





MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.11.2025

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 **October'2025**.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



[Handwritten Signature]
Authorized Signatory

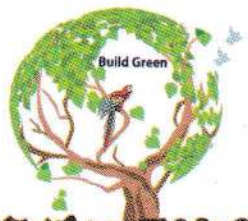


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HELPLINE NO : 18001233666



MEGHALAYA CEMENTS LIMITED

FORM - I
(See Rule 4)

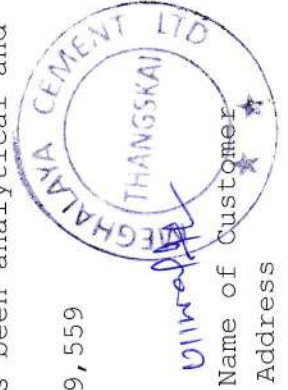
Return: Water consumed during the month of October'2025

Name and Address of the consumer	2	3	4	5	6	7	8	9
	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 Kiloliters	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								
MEGHALAYA Cements Ltd. Village - Thangskai P.O - Lumshnong Pin No 793210 Jaintia Hills - MEGHALAYA	Domestic purpose	River	(a)490184 (b)80909 (c)889317	(a) 492196 (b) 82452 (c) 891472	5,710	-	-	Qty. of water consumed from river water =5,710+ 1,2956= 18,666KL
	Industrial cooling (Cement Plant)	River	(a)412687 (b)483276 (c)1011670	(a) 419679 (b) 497244 (c) 1018000	1,2956	-	-	Qty of water circulation & returned = 10,365+ 3,969 = 14,334 KL
	Industrial cooling (WHRS)	River	-	-	6,569	-	-	Used for WHRS

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 = 31, 09, 559
Final reading of the return line flow meter at end of month= 31, 22, 515

(2) Initial reading of S.T.P flow meter at the beginning of the month = 2, 28, 338
Final reading of S.T.P flow meter at the end of the month= 2, 32, 307



Name of Customer
Address