



O/C MSPCB

Website: [www.tajcement.com](http://www.tajcement.com)  
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/15

Date: 15/05/2023

To,

The Member Secretary,  
Meghalaya State Pollution Control Board  
ARDEN Lumpyngngad  
Shillong (Meghalaya) -793014

Subject: Reports on Ambient Air Quality test, Stack Emission test, Waste Water Analysis (STP) & Noise Level Measurement Test for the month of April 2023

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of April 2023 for the following test results:

SI No.	Test Results	Purpose
1	Ambient Air Quality	-
2	Stack Emission	R.A.B.H
3	Stack Emission	Coal Mill
4	Stack Emission	Cooler E.S.P
5	Waste Water Analysis Result	STP Water Analysis
6	Noise Level Measurement Test	

Thanking you,

For Hills Cement Company Ltd

HILLS CEMENT CO. LTD.

Teyash Baird

Authorised Signatory  
Authorised Signatory

Copy To: - (1) The Joint Director (S), Ministry of Environment, Forest & Climate Change

NE Regional Office, Lumbatngen, Shillong 793021 for information  
(2) The Regional Director Regional Directorate (NE), Central Pollution Control Board, TUM-SIR, Lower Motinagar, Near Fire Brigade HQ, Shillong-793014

**HILLS CEMENT COMPANY LIMITED**

CORPORATE OFFICE: "SHIVAM COMPLEX", Bharalumukh, A.T. Road, Guwahati, Assam, PIN-781009 | Ph: (0361)2735527/52 E: [hr@hccl.in](mailto:hr@hccl.in), [info@hccl.in](mailto:info@hccl.in)  
REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone(NH 44), Sub Div: Khliehriat, Dist: Jaintia Hills, Meghalaya, PIN-793200



O/C CPCB

Website: www.tajcement.com  
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/17

Date: 15/05/2023

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Meghalaya State Pollution Control Board  
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Shillong (Meghalaya) -793014

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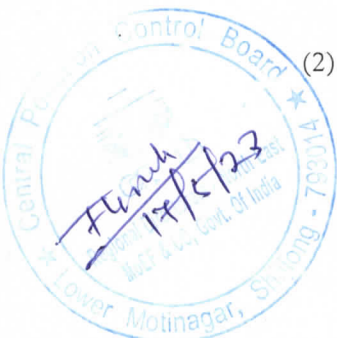
Tyash Band

Authorised Signatory

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REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone(NH 44), Sub Div: Khliehriat, Dist: Jaintia Hills, Meghalaya, PIN-793200



O/C MOEFCC

Website: [www.tajcement.com](http://www.tajcement.com)  
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/16

Date: 15/05/2023

To,  
The Member Secretary,  
Meghalaya State Pollution Control Board  
ARDEN Lumpynggad  
Shillong (Meghalaya) -793014

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*Tejash Bar*

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REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone(NH 44), Sub Div: Khliehriat, Dist: Jaintia Hills, Meghalaya, PIN-793200

Report No.: ENV/HCL/23-24/AA-04/01

Date : 10/05/2023

Order No.: HCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**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	In-front of Guest House	14.04.2023	27.9	52.4	<5.0	<6.0
02	Near Crusher Area	14.04.2023	38.2	56.1	7.8	8.6
03	In- Front of Compressor House (Cement Mill)	15.04.2023	34.6	55.7	7.1	8.5
04	Near Mines	15.04.2023	33.5	53.9	<5.0	<6.0

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.



Report No.: ENV/HCLL/23-24/N-04/01

Date : 10/05/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**NOISE LEVEL MEASUREMENT RESULTS**

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L <sub>eq</sub> (dB-A)	Limit (dB-A)	L <sub>eq</sub> (dB-A)	Limit (dB-A)
1	In-front of Guest House	14.04.2023	53.6	75	46.1	70
2	Near Crusher Area	14.04.2023	68.2	75	65.3	70
3	In- Front of Compressor House (Cement Mill)	15.04.2023	72.7	75	67.4	70
4	Near Mines	15.04.2023	53.9	75	49.2	70

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

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Report No.: ENV/HCL/23-24/SE-04/01

Date : 10/05/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-04/01		
02	Date of Sampling	14.04.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	179		
07	Exit Velocity of Gas (m/sec)	17.3		
08	Flow Rate (Nm³/hr)	298668		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	19	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	711	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	349	mg/Nm³	800

\*NA: Not Applicable



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

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Report No.: ENV/HCL/23-24/SE-04/02

Date : 10/05/2023

Order No.: HCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**STACK EMISSION TEST RESULTS**

01	Test Ref. No.	HCCL/2023/SE-04/02		
02	Date of Sampling	14.04.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	52		
07	Exit Velocity of Gas (m/sec)	12.4		
08	Flow Rate (Nm³/hr)	46441		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	567	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	258	mg/Nm³	800

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

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Report No.: ENV/HCL/23-24/SE-04/03

Date : 10/05/2023

Order No.: HCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**STACK EMISSION TEST RESULTS**

01	Test Ref. No.	HCCL/2023/SE-04/03		
02	Date of Sampling	15.04.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	221		
07	Exit Velocity of Gas (m/sec)	8.3		
08	Flow Rate (Nm³/hr)	111002		
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/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL#	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	BDL#	mg/Nm³	800

\*NA: Not Applicable

#BDL: Below Detectable Limit

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

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Report No.: ENV/HCL/23-24/WW-04/01

Date : 10/05/2023

Order No.: HCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**WASTE WATER ANALYSIS RESULTS**Sample Ref. No. : HCL/2023/WW-3004/01  
Sample Type/Source : Waste Water (Treated)/STP Outlet  
Sample Collected By : Representative of ENVIROCON  
Sample Collected On : 30.04.2023  
Sample Received On : 02.05.2023  
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.83	5.5 – 9.0
2.	Temperature	°C	25.6	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	34	100
4.	Biochemical Oxygen Demand	mg/l	21	30
5.	Chemical Oxygen Demand	mg/l	92	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.1	50
9.	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	12.7	100
10.	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

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

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