



q/c MSPCB

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

HCCL/MSPCB/22-23/11

Date: ..28/03/2023

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 February 2023

Dear Sir,

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

Sl 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.**

*Tejash Kumar Bora*

**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

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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/22-23/AA-02/01

Date : 09/03/2023

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

Date : 08/04/2021

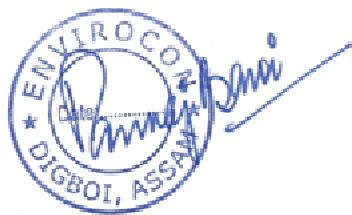
Report Issued To : **HILLS CEMENT COMPANY LIMITED**

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	17.02.2023	28.3	50.6	<5.0	<6.0
02	Near Crusher Area	17.02.2023	36.7	58.2	7.6	8.9
03	In- Front of Compressor House (Cement Mill)	18.02.2023	32.4	54.7	7.3	8.2
04	Near Mines	18.02.2023	31.9	51.3	<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/22-23/N-02/01

Date : 07/03/2023

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	17.02.2023	51.4	75	44.9	70
2	Near Crusher Area	17.02.2023	69.7	75	67.3	70
3	In- Front of Compressor House (Cement Mill)	18.02.2023	70.4	75	66.1	70
4	Near Mines	18.02.2023	52.6	75	47.8	70

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

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Report No.: ENV/HCL/22-23/SE-02/02

Date : 09/03/2023

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/22-23/SE-02/02		
02	Date of Sampling	18.02.2023		
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)	178		
07	Exit Velocity of Gas (m/sec)	15.3		
08	Flow Rate (Nm³/hr)	257290		
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)	721	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	356	mg/Nm³	800

\*NA: Not Applicable

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

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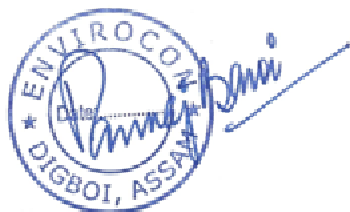
Date : 08/04/2021

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/22-23/SE-02/01		
02	Date of Sampling	17.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	10.8		
08	Flow Rate (Nm³/hr)	40449		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	561	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	263	mg/Nm³	800

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Date : 09/03/2023

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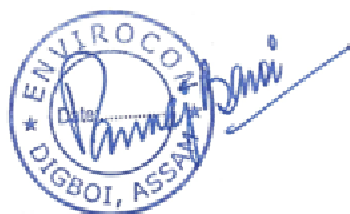
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

**STACK EMISSION TEST RESULTS**

01	Test Ref. No.	HCCL/22-23/SE-02/03		
02	Date of Sampling	18.02.2023		
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)	223		
07	Exit Velocity of Gas (m/sec)	8.1		
08	Flow Rate (Nm³/hr)	107891		
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/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/22-23/WW-02/01

Date : 09/03/2023

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/22-23/WW-2702/01  
Sample Type/Source : Waste Water (Treated)/STP Outlet  
Sample Collected By : Representative of ENVIROCON  
Sample Collected On : 27.02.2023  
Sample Received On : 01.03.2023  
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.86	5.5 – 9.0
2.	Temperature	°C	24.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	33	100
4.	Biochemical Oxygen Demand	mg/l	22	30
5.	Chemical Oxygen Demand	mg/l	89	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	3.9	50
9.	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	12.5	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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