



O/C MSPCB

Website: www.tajcement.com
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/10

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 January 2023

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of January 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.

Authorised Signatory
Authorised Signatory

Copy To: - (1) The Joint Director (S), Ministry of Environment, Forest & Climate Change
NE Regional Office, Lumbatngan, Shillong 793021 for information
(2) The Regional Director Regional Directorate (NE), Central Pollution
Control Board, TUM-SIR, Lower Motinagar, Near Fire Brigade HO
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, info@hccl.in
REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone(NH 44), Sub Div: Khliehriat, Dist: Jaintia Hills, Meghalaya, PIN-793200

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Report No.: ENV/HCL/22-23/AA-01/01

Date : 07/02/2023

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

Date : 08/04/2021

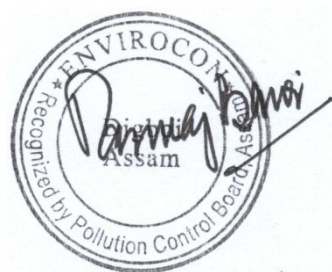
Report Issued To : **HILLS CEMENT COMPANY LIMITED**

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 ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	14.01.2023	29.3	48.6	<5.0	<6.0
02	Near Crusher Area	14.01.2023	35.6	56.9	7.3	8.2
03	In- Front of Compressor House (Cement Mill)	15.01.2023	33.8	53.7	7.1	7.8
04	Near Mines	15.01.2023	30.3	51.8	<5.0	<6.0

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.

Report No.: ENV/HCL/22-23/N-01/01

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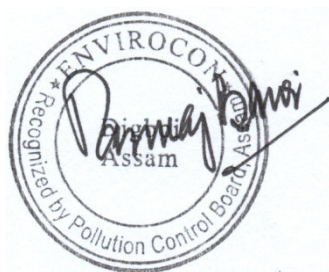
Date : 08/04/2021

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

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

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	In-front of Guest House	14.01.2023	53.4	75	43.8	70
2	Near Crusher Area	14.01.2023	67.6	75	65.9	70
3	In- Front of Compressor House (Cement Mill)	15.01.2023	71.3	75	67.6	70
4	Near Mines	15.01.2023	55.9	75	46.1	70

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Date : 07/02/2023

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

Date : 08/04/2021

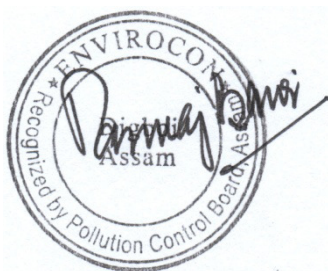
Report Issued To : **HILLS CEMENT COMPANY LIMITED**

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-01/01		
02	Date of Sampling	14.01.2023		
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)	181		
07	Exit Velocity of Gas (m/sec)	15.8		
08	Flow Rate (Nm³/hr)	263942		
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/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	721	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	356	mg/Nm³	800

*NA: Not Applicable



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STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-01/02		
02	Date of Sampling	14.01.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	53		
07	Exit Velocity of Gas (m/sec)	11.5		
08	Flow Rate (Nm³/hr)	42806		
09	Type of Fuel Used	Coal		
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)	561	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	263	mg/Nm³	800



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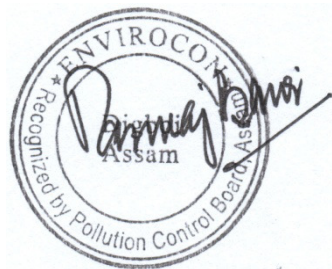
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-01/03		
02	Date of Sampling	15.01.2023		
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)	219		
07	Exit Velocity of Gas (m/sec)	7.2		
08	Flow Rate (Nm³/hr)	96683		
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/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



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Date : 08/04/2021

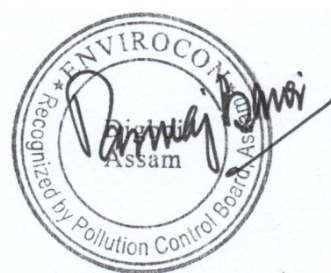
Report Issued To : **HILLS CEMENT COMPANY LIMITED**

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

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/22-23/WW-3001/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 30.01.2023
Sample Received On : 31.01.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.89	5.5 – 9.0
2.	Temperature	°C	24.8	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	31	100
4.	Biochemical Oxygen Demand	mg/l	21	30
5.	Chemical Oxygen Demand	mg/l	83	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	3.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	11.4	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0

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