



o/c MSPCB

Website: www.tajcement.com
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/04

Date: 16/08/22

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

Subject: Reports on Ambient Air Quality test, Stack Emission test, Fugitive Emission, Waste Water Analysis (STP) & Noise Level Measurement Test for the month of July 2022

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of **July 2022** 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.

Authorised Signatory

Copy To: - The Joint Director (S), Ministry of Environment, Forest & Climate Change
NE Regional Office, Lumbatngen, Shillong 793021 for information

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



Report No.: ENV/HCLL/22-23/AA-07/01

Date : 08/08/2022

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

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	In-front of Guest House	17.07.2022	26.4	42.1	<5.0	<6.0
02	Near Crusher Area	17.07.2022	30.9	53.7	6.2	7.1
03	In- Front of Compressor House (Cement Mill)	18.07.2022	29.6	50.6	6.6	6.9
04	Near Mines	18.07.2022	27.5	48.3	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Barua

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 (CIP), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCL/22-23/N-07/01

Date : 08/08/2022

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

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	17.07.2022	52.6	75	43.4	70
2	Near Crusher Area	17.07.2022	71.9	75	62.7	70
3	In- Front of Compressor House (Cement Mill)	18.07.2022	73.4	75	64.2	70
4	Near Mines	18.07.2022	50.2	75	40.7	70



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

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Report No.: ENV/HCLL/22-23/SE-07/01

Date : 08/08/2022

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-07/01		
02	Date of Sampling	17.07.2022		
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)	174		
07	Exit Velocity of Gas (m/sec)	13.9		
08	Flow Rate (Nm³/hr)	235839		
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/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	654	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	369	mg/Nm³	800

*NA: Not Applicable

Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCL/22-23/SE-07/02

Date : 08/08/2022

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

Date : 08/04/2021

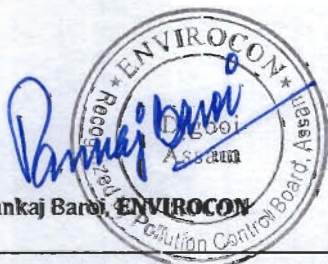
Report Issued To: **HILLS CEMENT COMPANY LIMITED**

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-07/02		
02	Date of Sampling	17.07.2022		
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)	11.6		
08	Flow Rate (Nm³/hr)	43445		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	17	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	501	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	264	mg/Nm³	800

Checked By: Mr. Pankaj Baroi



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Report No.: ENV/HCL/22-23/SE-07/03

Date : 08/08/2022

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-07/03		
02	Date of Sampling	18.07.2022		
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)	216		
07	Exit Velocity of Gas (m/sec)	5.4		
08	Flow Rate (Nm³/hr)	83424		
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/22-23/WW-07/01

Date : 08/08/2022

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-3107/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 31.07.2022
Sample Received On : 02.08.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.82	5.5 - 9.0
2.	Temperature	°C	23.1	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	27	100
4.	Biochemical Oxygen Demand	mg/l	19	30
5.	Chemical Oxygen Demand	mg/l	85	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	2.2	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.1	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



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