



O/c MSPCB

Website: www.tajcement.com
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/07

Date: 21/11/22

To,
The Member Secretary,
✓ Meghalaya State Pollution Control Board
ARDEN Lumpynggad
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 Oct 2022

Dear Sir,

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


Authorized Signatory
Authorized Signatory

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



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21/11/22

HILLS CEMENT COMPANY LIMITED

Report No.: ENV/HCL/22-23/AA-10/01
Date : 05/11/2022

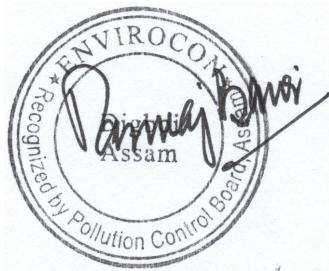
Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

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	In-front of Guest House	20.10.2022	27.3	43.3	<5.0	<6.0
02	Near Crusher Area	20.10.2022	31.7	51.6	6.9	7.5
03	In- Front of Compressor House (Cement Mill)	21.10.2022	28.4	48.9	6.8	7.3
04	Near Mines	21.10.2022	28.9	49.5	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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Report No.: ENV/HCLL/22-23/N-10/01
Date : 05/11/2022

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

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	20.10.2022	53.9	75	45.4	70
2	Near Crusher Area	21.10.2022	70.5	75	65.7	70
3	In- Front of Compressor House (Cement Mill)	21.10.2022	71.4	75	67.3	70
4	Near Mines	20.10.2022	52.6	75	42.4	70



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Report No.: ENV/HCL/22-23/SE-10/03
Date : 05/11/2022

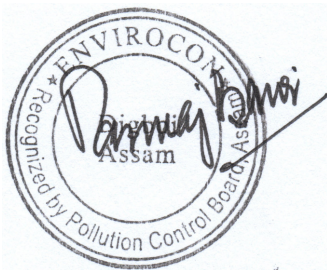
Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

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-10/03		
02	Date of Sampling	21.10.2022		
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)	177		
07	Exit Velocity of Gas (m/sec)	14.3		
08	Flow Rate (Nm ³ /hr)	241008		
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
ii.	Sulphur Dioxide (as SO ₂)	683	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	368	mg/Nm ³	800

*NA: Not Applicable



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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.

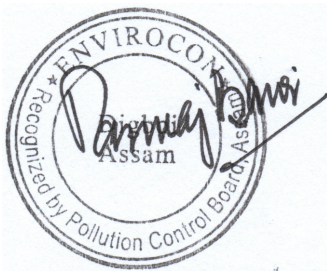
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STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-10/01		
02	Date of Sampling	20.10.2022		
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)	12.6		
08	Flow Rate (Nm ³ /hr)	47580		
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/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	464	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	272	mg/Nm ³	800



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

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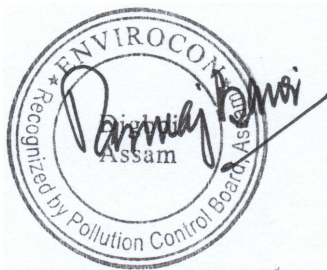
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STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/22-23/SE-10/02		
02	Date of Sampling	20.10.2022		
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)	219		
07	Exit Velocity of Gas (m/sec)	7.4		
08	Flow Rate (Nm ³ /hr)	99368		
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
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit



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Date : 05/11/2022

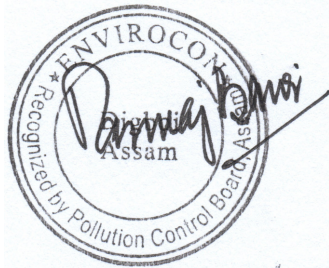
Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/22-23/WW-2210/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 22.10.2022
Sample Received On : 23.10.2022
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	24.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	29	100
4.	Biochemical Oxygen Demand	mg/l	17	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	2.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.7	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



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