



O/c MSPCB

Website: www.tajcement.com
CIN: U26942ML2003PLC007295

HCCL/MSPCB/22-23/01

Date: 20/05/22

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

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

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of April 2022 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

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/HCL/22-23/AA-04/01
Date : 10/05/2022

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	18.04.2022	27.6	46.3	<5.0	<6.0
02	Near Crusher Area	18.04.2022	30.9	52.8	5.6	7.2
03	In- Front of Compressor House (Cement Mill)	19.04.2022	29.7	51.3	6.6	7.1
04	Near Mines	19.04.2022	30.4	49.3	<5.0	<6.0

Analysis Protocol: IS 5182



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

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Report No.: ENV/HCCL/22-23/N-04/01
Date : 10/05/2022Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021Report 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	18.04.2022	50.3	75	43.9	70
2	Near Crusher Area	18.04.2022	72.5	75	62.4	70
3	In- Front of Compressor House (Cement Mill)	19.04.2022	73.7	75	64.9	70
4	Near Mines	19.04.2022	46.2	75	36.4	70



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Date : 10/05/2022Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021Report 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-04/01		
02	Date of Sampling	18.04.2022		
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)	180		
07	Exit Velocity of Gas (m/sec)	14.6		
08	Flow Rate (Nm ³ /hr)	244434		
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/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	613	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	368	mg/Nm ³	800

*NA: Not Applicable

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Report No.: ENV/HCLL/22-23/SE-04/02
Date : 10/05/2022

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-04/02		
02	Date of Sampling	19.04.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	54		
07	Exit Velocity of Gas (m/sec)	12.3		
08	Flow Rate (Nm ³ /hr)	47500		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	500	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	283	mg/Nm ³	800



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Date : 10/05/2022

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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-04/03		
02	Date of Sampling	19.04.2022		
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)	220		
07	Exit Velocity of Gas (m/sec)	5.9		
08	Flow Rate (Nm ³ /hr)	79065		
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/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 : 10/05/2022

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

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/22-23/WW-1804/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 18.04.2022
Sample Received On : 21.04.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.79	5.5 - 9.0
2.	Temperature	°C	23.4	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	87	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	2.3	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.3	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



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