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HCCL/MSPCB/23-24/021

Date: 12.03.2024

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

Subject: Monthly monitoring reports of Ambient Air Quality, Stack Emission, Waste Water Analysis (STP) & Noise Level Measurement for the month of **February, 2024**.

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of **February, 2024** 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


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 HQ,
Shillong-793014



HILLS CEMENT COMPANY LIMITED

CORPORATE OFFICE: "SHIVAM COMPLEX", Bharalumukh, A.T. Road, Guwahati, Assam, PIN-781009 | Ph.: (0361) 4083974 | E: hr@hccl.in | info@hccl.in
REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone (NH44), Sub Div: Khliehriat, Dist: Jaintia Hills, Meghalaya, Pin-793200

Report No.: ENV/HCLL/23-24/AA-02/01
Date : 08/03/2024

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/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	22.02.2024	29.3	57.2	<5.0	<6.0
02	Near Crusher Area	22.02.2024	36.7	58.4	7.9	8.8
03	In- Front of Compressor House (Cement Mill)	23.02.2024	39.1	58.7	7.7	8.5
04	Near Mines	23.02.2024	32.4	56.3	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

- NOTE:**
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Report No.: ENV/HCLL/23-24/N-02/01
Date : 08/03/2024

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	22.02.2024	62.3	75	57.2	70
2	Near Crusher Area	22.02.2024	72.4	75	66.8	70
3	In- Front of Compressor House (Cement Mill)	23.02.2024	71.6	75	67.4	70
4	Near Mines	23.02.2024	59.2	75	55.3	70


Date:

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Report No.: ENV/HCLL/23-24/SE-02/03
Date : 08/03/2024

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/2024/SE-02/03		
02	Date of Sampling	23.02.2024		
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)	173		
07	Exit Velocity of Gas (m/sec)	18.2		
08	Flow Rate (Nm ³ /hr)	309488		
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)	716	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	260	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.

Report No.: ENV/HCLL/23-24/SE-02/01
Date : 08/03/2024

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.	HCLL/2024/SE-02/01		
02	Date of Sampling	22.02.2024		
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)	11.3		
08	Flow Rate (Nm ³ /hr)	42062		
09	Type of Fuel Used	Coal		
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)	516	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	144	mg/Nm ³	800



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Report No.: ENV/HCCL/23-24/SE-02/02
Date : 08/03/2024

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/2024/SE-02/02		
02	Date of Sampling	22.02.2024		
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)	228		
07	Exit Velocity of Gas (m/sec)	10.2		
08	Flow Rate (Nm ³ /hr)	136097		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	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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Report No.: ENV/HCCL/23-24/WW-02/01
Date : 08/03/2024

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/2024/WW-2302/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 23.02.2024
Sample Received On : 26.02.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	7.14	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	32	100
4.	Biochemical Oxygen Demand	mg/l	24	30
5.	Chemical Oxygen Demand	mg/l	91	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	9.4	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0


Date:

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