

HCCL/MSPCB/21-22/06

Date: 20 12 21

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 November 2021

Dear Sir,

Please find enclosed herewith to this letter the reports for the month of November 2021 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 (Treated)	STP Water Analysis	
6	Noise Level Measurement Test	-	

Thanking you,

For Hills Cement Company Ltd HILLS CEMENT COMPANY LTD.

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

HILLS CEMENT COMPANY LIMITED





HCCL/MSPCB/21-22/06

Date: 20/12/21

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ARDEN Lumpyngngad
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Authorized Signatory Authorised Signatory

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Envirocon Building, I.O.C.L (AOD) New Market P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171 Ph: 03751-264414, 9435008657, 8876028672 E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified ISO 45001:2018 Certified

Report No.: ENV/HCCL/21-22/AA-11/01

:08/12/2021 Date

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

: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)↓	N(S)↓ Date of Sampling		PM 10 (μg/m³)	SO ₂ (μg/m ³)	NO ₂ (μg/m ³)
	LIMIT(S) →	***	60	100	80	80
01	In-front of Guest House	15.11.2021	24.2	46.7	<5.0	<6.0
02	Near Crusher Area	15.11.2021	28.6	53.4	5.9	7.1
03	In- Front of Compressor House (Cement Mill)	16.11.2021	23.9	47.2	6.6	7.6
04	Near Mines	16.11.2021	31.6	55.6	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

 $1. \ Results \ reported \ are \ valid \ at \ the \ time \ of \ and \ under \ the \ prevailing \ conditions \ of \ measurement.$ NOTE:

2. Results refer only to the particular parameters tested.



Recognised By Pollution Control Board, Assam

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Report No.: ENV/HCCL/21-22/N-11/01

:08/12/2021

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

Bu all	Location(s)	Date Of Measurement	Day Time		Night Time	
Sl. No.			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	15.11.2021	50.2	75	42.1	70
2	Near Crusher Area	15.11.2021	71.9	75	61.6	70
3	In- Front of Compressor House (Cement Mill)	15.11.2021	71.3	75	66.4	70
4	Near Mines	16.11.2021	48.5	75	35.7	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Date : 08/12/2021

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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.	н	HCCL/21-22/SE-11/01			
02	Date of Sampling		15.11.2021			
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)		178			
07	Exit Velocity of Gas (m/sec)		15.6			
08	Flow Rate (Nm³/hr)		251672			
09	Type of Fuel Used		NA*			
	Analy	sis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Result(s) Unit(s)			
i. ,	Particulate Matter	21	21 mg/Nm³			
ii.	Sulphur Dioxide (as SO ₂)	721	721 mg/Nm ³			
iii.	Oxides of Nitrogen (as NO _x)	414	mg/Nm³	800		

*NA: Not Applicable



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Date : 08/12/2021

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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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	Н	HCCL/21-22/SE-11/02			
02	Date of Sampling		15.11.2021			
03	Material of Construction		M. S.			
04	Stack Attached To		Coal Mill			
05	Stack Diameter (Meter)		1.2			
06	Flue Gas Temperature (°C)		64			
07	Exit Velocity of Gas (m/sec)		11.6			
08	Flow Rate (Nm ³ /hr)		41769			
09	Type of Fuel Used		Coal			
	Analy	sis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Result(s) Unit(s)			
i.	Particulate Matter	26	26 mg/Nm³			
ii.	Sulphur Dioxide (as SO ₂)	669	669 mg/Nm ³ 1			
111.	Oxides of Nitrogen (as NO _x)	239	mg/Nm³	800		



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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/21-22/SE-11/03				
02	Date of Sampling		16.11.2021			
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)		10.9			
08	Flow Rate (Nm³/hr)		146367			
09	Type of Fuel Used		NA*			
	Analy	sis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)		
i.	Particulate Matter	20	20 mg/Nm ³			
ii.	Sulphur Dioxide (as SO ₂)	BDL#	BDL# mg/Nm ³			
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm³	800		

*NA: Not Applicable

#BDL: Below Detectable Limit



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:08/12/2021 Date

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Date :08/04/2021

HILLS CEMENT COMPANY LIMITED Report Issued To:

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

E-mail: envirocon@rediffmail.com

WASTE WATER ANALYSIS RESULTS

Sample Ref. No.

: HCCL/21-22/WW-1611/01

Sample Type/Source

: Waste Water (Treated)/STP Outlet

Sample Collected By

: Representative of ENVIROCON

Sample Collected On

: 16.11.2021

Sample Received On

: 20.11.2021

Analysis Protocol

: IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	рН	-	6.79	5.5 - 9.0
2.	Temperature	oC.	24.9	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	21	100
4.	Biochemical Oxygen Demand	mg/l	24	30
5.	Chemical Oxygen Demand	mg/l	98	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	2.8	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.2	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



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