



AMBIENT AIR QUALITY TEST RESULTS

M/s HILLS CEMENT COMPANY LIMITED
Vill: Mynkree, 116 KM Stone, NH- 44
Sub Division: Khliehriat; Dist: Jaintia Hills
Meghalaya

(JUNE - 2015)

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	NO₂ (µg/m³)	SO₂ (µg/m³)
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)
In- Front of Guest House	17.06.2015	20.41	59.31	09.52	ND
Near Crusher Area	18.06.2015	54.36	79.58	14.22	04.17
In- Front of Compressor House (Cement Mill)	18.06.2015	49.67	74.29	16.71	06.91

Analysis Protocol: **IS 5182**

ND: Not Detected



Checked By: Pankaj Baroi; ENVIROCON

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STACK EMISSION TEST RESULTS

M/s HILLS CEMENT COMPANY LIMITED

Vill: Mynkree, 116 KM Stone, NH- 44

Sub Division: Khliehriat; Dist: Jaintia Hills

Meghalaya

(JUNE - 2015)

01	Stack Emission Ref. No.	ENV/HCCL/01/June/2015
02	Date of Sampling	18.06.2015
03	Material of Construction	M.S.
04	Stack Attached To	B.F. of Crusher
05	Flue Gas Temperature (°C)	34
06	Exit Velocity of Gas (m/sec)	4.1
07	Flow Rate (Nm ³ /hr)	11,254
08	Type of Fuel Used	NA
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	42.4


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STACK EMISSION TEST RESULTS

M/s HILLS CEMENT COMPANY LIMITED

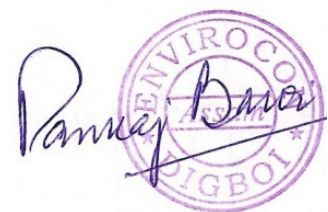
Vill: Mynkree, 116 KM Stone, NH- 44

Sub Division: Khliehriat; Dist: Jaintia Hills

Meghalaya

(JUNE- 2015)

01	Stack Emission Ref. No.	ENV/HCCL/02/June/2015
02	Date of Sampling	18.06.2015
03	Material of Construction	M.S.
04	Stack Attached To	R.A.B.H
05	Flue Gas Temperature (°C)	166
06	Exit Velocity of Gas (m/sec)	13.2
07	Flow Rate (Nm ³ /hr)	2,28,043
08	Type of Fuel Used	NA
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	34.2



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**STACK EMISSION TEST RESULTS**

M/s HILLS CEMENT COMPANY LIMITED

Vill: Mynkree, 116 KM Stone, NH- 44

Sub Division: Khliehriat; Dist: Jaintia Hills

Meghalaya

(JUNE- 2015)

01	Stack Emission Ref. No.	ENV/HCCL/03/June/2015
02	Date of Sampling	17.06.2015
03	Material of Construction	M.S
04	Stack Attached To	Coal Mill
05	Flue Gas Temperature (°C)	67
06	Exit Velocity of Gas (m/sec)	8.4
07	Flow Rate (Nm ³ /hr)	29,980
08	Type of Fuel Used	Coal
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	43.7

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STACK EMISSION TEST RESULTS

M/s HILLS CEMENT COMPANY LIMITED

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Meghalaya

(JUNE- 2015)

01	Stack Emission Ref. No.	ENV/HCCL/04/June/2015
02	Date of Sampling	17.06.2015
03	Material of Construction	M.S
04	Stack Attached To	Cooler E.S.P
05	Flue Gas Temperature (°C)	238
06	Exit Velocity of Gas (m/sec)	17.1
07	Flow Rate (Nm ³ /hr)	2,21,083
08	Type of Fuel Used	Coal
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	29.3

Pankaj Baroi

Checked By: Pankaj Baroi; ENVIROCON

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**STACK EMISSION TEST RESULTS**

M/s HILLS CEMENT COMPANY LIMITED

Vill: Mynkree, 116 KM Stone, NH- 44

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Meghalaya

(JUNE- 2015)

01	Stack Emission Ref. No.	ENV/HCCL/05/June/2015
02	Date of Sampling	17.06.2015
03	Material of Construction	M.S
04	Stack Attached To	Cement Mill
05	Flue Gas Temperature (°C)	64
06	Exit Velocity of Gas (m/sec)	8.1
07	Flow Rate (Nm ³ /hr)	29,166
08	Type of Fuel Used	NA
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	38.1

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Meghalaya

(JUNE- 2015)

01	Stack Emission Ref. No.	ENV/HCCL/06/June/2015
02	Date of Sampling	18.06.2015
03	Material of Construction	M.S
04	Stack Attached To	Cement Packing House
05	Flue Gas Temperature (°C)	35
06	Exit Velocity of Gas (m/sec)	4.2
07	Flow Rate (Nm ³ /hr)	7,354
08	Type of Fuel Used	NA
09	Analysis Result of Flue Gas	
	1. Particulate Matter (mg/Nm ³)	39.7

ENVIROCON
DIGBOI

Checked By: Pankaj Baroi; ENVIROCON

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NOISE LEVEL MEASUREMENT RESULTS

M/s HILLS CEMENT COMPANY LIMITED

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Meghalaya

(JUNE- 2015)

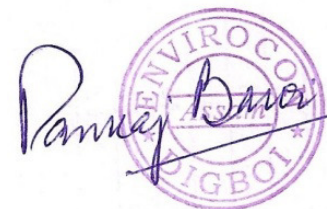
Measurement Date: **18.06.2015**

(Day Time)

Sl. No.	Location	Maximum (dB-A)	Minimum (dB-A)	Leq (dB-A)
1	Near Kiln Area	81	72	75
2	Near CCR Building	67	62	64
3	Main Gate	70	65	69
4	Near Main Building	66	58	62

(Night Time)

Sl. No.	Location	Maximum (dB-A)	Minimum (dB-A)	Leq (dB-A)
1	Near Kiln Area	75	69	71
2	Near CCR Building	63	54	58
3	Main Gate	67	57	60
4	Near Main Building	60	51	53


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AMBIENT NOISE LEVEL STANDARDS

SCHEDULE

[Rule 3(1) and 4(1) of Noise Pollution (Regulation & Control) Rules, 2000]

Area Code	Category of Area/ Zone	Limit in dB (A) in Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

NB:

Silence Zone is an area comprising an area not less than 100 m around Hospitals, Educational Institutions, Courts, Religious Places or any other area which is declared as such by the competent authority.

Specific SHE Standard: Workplace Noise

Ambient Noise Level	Personal Noise Exposure < 85 dB (A) Leq (8h)	Personal Noise Exposure => 85 dB (A) Leq (8h)
< 85 dB (A) Leq	No action required	PPE Mandatory
=> 85dB (A) Leq < 90 dB (A) Leq	Hearing protection zone. PPE Advisory.	Hearing protection zone. PPE Mandatory.
=> 90 dB (A) Leq	Hearing protection zone. PPE Mandatory.	Hearing protection zone. PPE Mandatory.
