

Report No.: ENV/HCLL/AAQ/Jun/17-18/01

Date : 28/06/2017

M/s 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)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	In-front of Guest House	15.06.2017	23.7	46.3	ND	ND
2.	Near Crusher Area	14.06.2017	48.5	81.9	9.6	5.2
3.	In- Front of Compressor House (Cement Mill)	15.06.2017	36.9	66.1	11.4	6.1

ND: Not Detected

Analysis Protocol: **IS 5182**

Sampled & Analysed by: ENVIROCON, Digboi



Checked By: Pankaj Baroi, **ENVIROCON**

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M/s HILLS CEMENT COMPANY LIMITED

Village: Mynkree, 116 KM Stone, NH-44

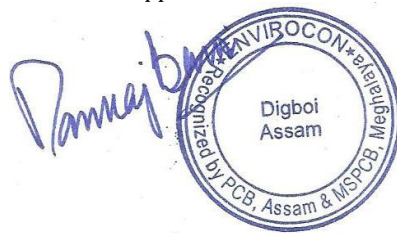
Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/01		
02	Date of Sampling	14.06.2017		
03	Material of Construction	M. S.		
04	Stack Attached To	B. F. of Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	30		
07	Exit Velocity of Gas (m/sec)	5.1		
08	Flow Rate (Nm ³ /hr)	14,184		
09	Type of Fuel Used	NA*		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	28.3	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/HCCL/SE/Jun/17-18/02

Date : 28/06/2017

M/s HILLS CEMENT COMPANY LIMITED

Village: Mynkree, 116 KM Stone, NH-44

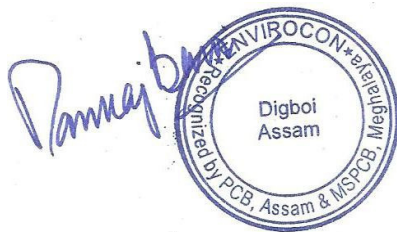
Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/02		
02	Date of Sampling	14.06.2017		
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)	184		
07	Exit Velocity of Gas (m/sec)	12.6		
08	Flow Rate (Nm ³ /hr)	2,09,104		
09	Type of Fuel Used	NA*		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	24.8	mg/Nm ³	30

*NA: Not Applicable



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Date : 28/06/2017

M/s HILLS CEMENT COMPANY LIMITED

Village: Mynkree, 116 KM Stone, NH-44

Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/03		
02	Date of Sampling	14.06.2017		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	61		
07	Exit Velocity of Gas (m/sec)	9.1		
08	Flow Rate (Nm ³ /hr)	33,061		
09	Type of Fuel Used	Coal		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	28.9	mg/Nm ³	30



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Report No.: ENV/HCCL/SE/Jun/17-18/04

Date : 28/06/2017

M/s HILLS CEMENT COMPANY LIMITED

Village: Mynkree, 116 KM Stone, NH-44

Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/04		
02	Date of Sampling	15.06.2017		
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)	216		
07	Exit Velocity of Gas (m/sec)	13.7		
08	Flow Rate (Nm ³ /hr)	1,85,094		
09	Type of Fuel Used	Coal		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	23.8	mg/Nm ³	30



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Report No.: ENV/HCCL/SE/Jun/17-18/05

Date : 28/06/2017

M/s HILLS CEMENT COMPANY LIMITED

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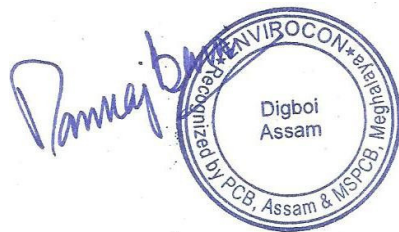
Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/05		
02	Date of Sampling	15.06.2017		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	61		
07	Exit Velocity of Gas (m/sec)	10.3		
08	Flow Rate (Nm ³ /hr)	39,238		
09	Type of Fuel Used	NA*		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	26.7	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/HCCL/SE/Jun/17-18/06

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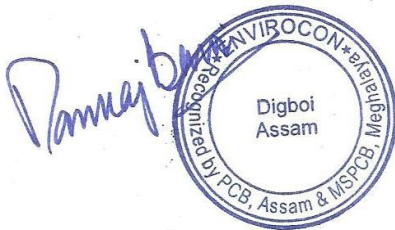
Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	HCCL/SE/Jun/17-18/06		
02	Date of Sampling	15.06.2017		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing House		
05	Stack Diameter (Meter)	0.8		
06	Flue Gas Temperature (°C)	42		
07	Exit Velocity of Gas (m/sec)	8.5		
08	Flow Rate (Nm ³ /hr)	14,553		
09	Type of Fuel Used	NA*		
10	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	28.4	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/HCCL/NLM/Jun/17-18/01

Date : 28/06/2017

M/s HILLS CEMENT COMPANY LIMITED

Village: Mynkree, 116 KM Stone, NH-44


Sub Division: Khliehriat, Dist.: Jaintia Hills

Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Measurement Date: 15.06.2017

Sl. No.	Locations	Day Time				Night Time			
		Max. (dB-A)	Min. (dB-A)	L _{eq} (dB-A)	Limit (dB-A)	Max. (dB-A)	Min. (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	Near Kiln Area	74	71	73	75	70	65	68	70
2	Near CCR Building	65	59	63	75	62	54	57	70
3	Main Gate	59	55	58	75	49	37	45	70
4	Near Main Building	58	52	56	75	52	45	49	70

Pankaj Baroi


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