

HCIL(NGH)-ENV-F-101/2021/

The Member Secretary
M.P. Pollution Control Board
Paryavaran Parishar,
E-5, Arera Colony, Bhopal – 462016

HeidelbergCement India Limited
CIN: L26942HR1958FLC042301
Village and P. O. Narsingarh
District Damoh,
Madhya Pradesh 470675
Phone +91-7601-241301, 02 & 05
Fax +91-7601-241235
Website: www.mycemco.com

Jun 07, 2021**Sub.: Monthly Environmental Monitoring Reports for May 2021**

Sir,

Please find enclosed herewith the Environmental Monitoring Report of the following for the month of **May- 2021**.


S. No.	Name of Plant / Mines	Monitoring Details
1.	Clinkerisation Unit, Narsingarh (including WHRPP)	Ambient Air Quality Monitoring including Ambient Noise Monitoring, Stack Monitoring, STP Water Quality Analysis Report, ETP Water Quality Analysis Report, Performance of ESPs & Bag Houses, Energy meter reading, Online monitoring data of CAAQMS.
2.	Grinding Unit, Imlai	Ambient Air Quality Monitoring including Ambient Noise Monitoring, Stack Monitoring, STP Water Quality Analysis Report, Performance of Bag Houses, Energy meter reading and Online monitoring data of CAAQMS.
3.	Lime Stone Mines, Patharia	Ambient Air Quality Monitoring including Ambient Noise Monitoring, Work zone Noise, Stack Monitoring, Waste water Quality Analysis Reports, and Mine Pit water Analysis Report, Online monitoring data of CAAQMS.

This is submitted for your kind perusal please.

Thanking you,

Yours faithfully,

For Diamond Cements
(Prop.: HeidelbergCement India Ltd.)


Sandeep Kumar Tiwari
Manager – Environment

Encl: as above

CC: **The Zonal Officer (Central)**, Central Pollution Control Board, E-5, Link Rd Number 3, Ekant Park, Arera Colony, Bhopal, Madhya Pradesh 462016CC: **The Regional Officer**, MP Pollution Control Board, Deen Dayal Nagar, Housing Board Colony, Sagar (MP)CC: **Sr. G.M. Mines** – For kind information & record pleaseCC: **VP (T) Imlai** – For kind information & record pleaseCC: **Office Copy**

Registered Office:
2nd Floor, Plot No. 68, Sector-44,
Gurugram, Haryana 122002



ENVIRONMENTAL MONITORING REPORT

of

M/s Diamond Cements
(Prop. HeidelbergCement India Limited)
Village & Post: Narsingarh,
District : Damoh

for

May, 2021

Prepared by:



Certificate No.: T-2202

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Ecomen Laboratories Pvt. Ltd.

(An approved Laboratory from NABL & MoEF&CC)

Flat No 5-8, 2nd Floor Arif Chamber-V, Sector-H

Aliganj, Lucknow 226024 (U.P)

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ECOMEN LABORATORIES PVT. LTD.

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FORMAT NO. : ECO/QS/D/FORMAT/01
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/A:05-08 & M:05-08/05/21
ISSUE DATE : 31.05.2021

Month: May-2021

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Clinkerisation Unit
(Prop. HeidelbergCement India Limited), Narsingarh, Damoh (M.P.)

AAQMS	Date/ Time*	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	Time	CO (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
		06.05.2021	05.05.2021		06.05.2021	06.05.2021	06.05.2021
Near Hospital	06.00 am	28.50	41.58	06:00 am to 10:00 am	330	10.96	14.71
				10:00 am to 02:00 pm		9.67	13.61
				02:00 pm to 06:00 pm	350	10.94	14.21
				06:00 pm to 10:00 pm		10.38	13.11
				10:00 pm to 02:00 am	370	7.86	13.22
				02:00 am to 06:00 am		9.75	14.51
				Average Value	350	9.92	13.90
Near Gate of Mine Pit No.1	06.00 am	37.30	52.28	06:20 am to 10:20 am	380	10.20	12.89
				10:20 am to 02:20 pm		9.32	13.21
				02:20 pm to 06:20 pm	410	9.65	12.95
				06:20 pm to 10:20 pm		10.23	13.38
				10:20 pm to 02:20 am	360	9.95	13.02
				02:20 am to 06:20 am		9.05	13.15
				Average Value	383	9.73	13.10
Near STP Area	06.00 am	31.61	56.52	06:40 am to 10:40 am	390	10.23	11.07
				10:40 am to 02:40 pm		10.88	11.59
				02:40 pm to 06:40 pm	370	9.70	13.82
				06:40 pm to 10:40 pm		9.62	13.31
				10:40 pm to 02:40 am	330	7.96	12.91
				02:40 am to 06:40 am		9.72	13.75
				Average Value	363	9.68	12.74
Near Worker Colony	06.00 am	26.48	44.64	07:00 am to 11:00 am	370	8.46	13.32
				11:00 am to 03:00 pm		10.23	11.07
				03:00 pm to 07:00 pm	360	10.21	12.55
				07:00 pm to 11:00 pm		10.88	13.45
				11:00 pm to 03:00 am	390	9.11	13.62
				03:20 am to 07:00 am		7.84	13.88
				Average Value	373	9.46	12.98

Air (Ambient Standard) - The Environment (Protection) Rules, 1986 [NAAQMS]							
S.NO.	Standard	Time	PM 2.5	PM 10	SO2	NO2	CO
1	(µg/m ³)	24 hours	60	100	80	80	2000
2		Annual	40	60	50	40	-

* Time mentioned above is the initial Time of Sampling.

SO₂ BDL < 4.0 (µg/m³) and NO₂ BDL < 6.1 (µg/m³)

Archan
Checked by

Abhishek
Authorized Signatory

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TEST REPORT NO. : ECO LAB/D/A:09-12 & M:09-12/05/21
ISSUE DATE : 31.05.2021

Month: May-2021

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Grinding Unit
(Prop. HeidelbergCement India Limited), Imlai, Damoh (M.P.)

AAQMS	Date/ Time*	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	Time	CO (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
		13.05.2021	15.05.2021		15.05.2021	15.05.2021	15.05.2021
Near Admin Bld.	06.00 am	30.63	45.68	06:00 am to 10:00 am	390	9.76	12.96
				10:00 am to 02:00 pm		10.78	13.09
				02:00 pm to 06:00 pm	360	10.20	12.66
				06:00 pm to 10:00 pm		8.02	12.46
				10:00 pm to 02:00 am	400	8.53	13.03
				02:00 am to 06:00 am		9.79	13.15
				Average Value	383	9.51	12.89
Near Water Storage Tank (Behind D.G. Set)	06.00 am	34.68	57.11	06:20 am to 10:20 am	410	10.18	14.00
				10:20 am to 02:20 pm		8.40	13.93
				02:20 pm to 06:20 pm	420	9.67	13.45
				06:20 pm to 10:20 pm		9.09	14.41
				10:20 pm to 02:20 am	380	7.82	13.11
				02:20 am to 06:20 am		8.53	13.08
				Average Value	403	8.95	13.86
Near Railway Siding	06.00 am	36.64	58.40	06:40 am to 10:40 am	370	10.94	14.21
				10:40 am to 02:40 pm		9.65	14.34
				02:40 pm to 06:40 pm	390	9.00	13.81
				06:40 pm to 10:40 pm		9.72	13.49
				10:40 pm to 02:40 am	400	9.00	14.75
				02:40 am to 06:40 am		10.88	12.29
				Average Value	387	9.86	13.81
Near Worker Colony	06.00 am	27.61	50.60	07:00 am to 11:00 am	410	9.72	14.68
				11:00 am to 03:00 pm		10.99	13.35
				03:00 pm to 07:00 pm	390	9.07	13.67
				07:00 pm to 11:00 pm		9.63	14.07
				11:00 pm to 03:00 am	380	7.98	13.32
				03:20 am to 07:00 am		10.88	13.55
				Average Value	393	9.71	13.77

Air (Ambient Standard) - The Environment (Protection) Rules,1986 [NAAQMS]							
S.NO.	Standard	Time	PM 2.5	PM 10	SO2	NO2	CO
1	(µg/m ³)	24 hours	60	100	80	80	2000
2		Annual	40	60	50	40	-

* Time mentioned above is the initial Time of Sampling.

SO₂ BDL<4.0 (µg/m³) and NO₂ BDL<6.1 (µg/m³)

Archana
Checked by

Abhishek
Authorized Signatory

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ISSUE DATE : 31.05.2021

Month: May-2021

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

Lime Stone Mines, Patharia-Diamond Cements
(Prop. HeidelbergCement India Limited), Damoh (M.P.)

AAQMS	Date/ Time*	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	Time	CO (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
		04.05.2021	03.05.2021		03.05.2021	03.05.2021	03.05.2021
Near Main Office	06.00 am	25.57	46.78	06:00 am to 10:00 am	380	8.31	12.81
				10:00 am to 02:00 pm		8.53	13.77
				02:00 pm to 06:00 pm	400	9.09	13.48
				06:00 pm to 10:00 pm		10.28	13.68
				10:00 pm to 02:00 am	370	9.63	14.07
				02:00 am to 06:00 am		7.84	13.76
				Average Value	383	8.95	13.60
Near Back Filling Area	06.00 am	35.57	55.63	06:20 am to 10:20 am	380	10.38	13.81
				10:20 am to 02:20 pm		9.75	13.65
				02:20 pm to 06:20 pm	410	9.67	13.45
				06:20 pm to 10:20 pm		8.95	13.28
				10:20 pm to 02:20 am	360	10.23	15.06
				02:20 am to 06:20 am		9.65	14.11
				Average Value	383	9.77	13.89
Near Mine Pit	06.00 am	33.39	51.73	06:40 am to 10:40 am	380	8.46	15.22
				10:40 am to 02:40 pm		9.70	14.18
				02:40 pm to 06:40 pm	370	10.41	14.08
				06:40 pm to 10:40 pm		8.46	12.75
				10:40 pm to 02:40 am	350	9.50	13.15
				02:40 am to 06:40 am		10.30	14.19
				Average Value	367	9.47	13.93
Near Temple	06.00 am	32.81	40.35	07:00 am to 11:00 am	360	9.60	13.81
				11:00 am to 03:00 pm		9.14	13.78
				03:00 pm to 07:00 pm	400	10.87	14.45
				07:00 pm to 11:00 pm		9.77	14.75
				11:00 pm to 03:00 am	380	7.84	13.52
				03:20 am to 07:00 am		10.28	12.75
				Average Value	380	9.58	13.84

Air (Ambient Standard) - The Environment (Protection) Rules,1986 [NAAQMS]							
S.NO.	Standard	Time	PM 2.5	PM 10	SO2	NO2	CO
1	(µg/m ³)	24 hours	60	100	80	80	2000
2		Annual	40	60	50	40	-

* Time mentioned above is the initial Time of Sampling.

SO₂ BDL < 4.0 (µg/m³) and NO₂ BDL < 6.1 (µg/m³)

Archang
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Abhishek
Authorized Signatory

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TEST REPORT NO. : ECO LAB/D/A:13-16 & M:13-16/05/21
ISSUE DATE : 31.05.2021

Month: May-2021

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

Lime Stone Mines, Patharia-Diamond Cements

(Prop. HeidelbergCement India Limited), Damoh (M.P.)

AAQMS	Date/ Time*	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	Time	CO ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
		18.05.2021	17.05.2021		17.05.2021	17.05.2021	17.05.2021
Near Main Office	06.00 am	23.72	43.31	06:00 am to 10:00 am	400	10.38	14.30
				10:00 am to 02:00 pm		10.26	14.95
				02:00 pm to 06:00 pm	380	8.38	12.63
				06:00 pm to 10:00 pm		10.33	16.08
				10:00 pm to 02:00 am	360	8.53	13.55
				02:00 am to 06:00 am		10.28	14.74
				Average Value	380	9.69	14.37
Near Back Filling Area	06.00 am	29.64	53.25	06:20 am to 10:20 am	390	11.22	14.68
				10:20 am to 02:20 pm		8.42	13.38
				02:20 pm to 06:20 pm	380	9.70	14.18
				06:20 pm to 10:20 pm		8.55	13.93
				10:20 pm to 02:20 am	400	11.16	13.91
				02:20 am to 06:20 am		9.79	13.38
				Average Value	390	9.81	13.91
Near Mine Pit	06.00 am	24.65	54.21	06:40 am to 10:40 am	380	10.99	13.58
				10:40 am to 02:40 pm		7.92	13.78
				02:40 pm to 06:40 pm	370	11.63	13.61
				06:40 pm to 10:40 pm		11.57	13.35
				10:40 pm to 02:40 am	390	9.70	13.70
				02:40 am to 06:40 am		10.77	12.69
				Average Value	380	10.43	13.45
Near Temple	06.00 am	22.58	42.55	07:00 am to 11:00 am	400	7.84	13.41
				11:00 am to 03:00 pm		9.70	13.25
				03:00 pm to 07:00 pm	410	8.49	13.48
				07:00 pm to 11:00 pm		10.23	13.84
				11:00 pm to 03:00 am	390	9.65	14.50
				03:20 am to 07:00 am		10.18	14.23
				Average Value	400	9.35	13.79

Air (Ambient Standard) - The Environment (Protection) Rules,1986 [NAAQMS]							
S.NO.	Standard	Time	PM 2.5	PM 10	SO2	NO2	CO
1	($\mu\text{g}/\text{m}^3$)	24 hours	60	100	80	80	2000
2		Annual	40	60	50	40	-

* Time mentioned above is the initial Time of Sampling.

SO₂ BDL < 4.0 ($\mu\text{g}/\text{m}^3$) and NO₂ BDL < 6.1 ($\mu\text{g}/\text{m}^3$)

Archana
Checked by

Allo...
Authorized Signatory

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TEST REPORT NO. : ECO LAB/D/N:01/05/21
ISSUE DATE: 31.05.2021

Month: : May-2021

TEST REPORT OF AMBIENT NOISE MONITORING

Name of Plant/Mines : M/s Diamond Cements - Clinkerisation -Clinkerisation Unit
(Prop. Heidelberg Cement India Limited), Narsingarh, Damoh (M.P.)

Date of Monitoring : 05.05.2021

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Hospital	48.5	42.4
2.	Near Gate of Mine Pit No.1	58.1	52.3
3.	Near STP Area	62.4	58.5
4.	Near Worker Colony	48.4	43.1

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Abhishek
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Ph. 2746282, Fax:2745726.

Noise (Ambient Standard) - Noise Pollution (Prevention & Control Rule 2000)

Area Code	Category of area	Limit in dB (A) 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

Note:

1	Day time is reckoned in between 6:00 AM and 10:00 PM.
2	Night time is reckoned in between 10:00 PM and 6:00 AM
3	Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
4	Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

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REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/N:02/05/21
ISSUE DATE: 31.05.2021

Month: : May-2021

TEST REPORT OF AMBIENT NOISE MONITORING

Name of Plant/Mines : M/s Diamond Cements -Grinding Unit
(Prop. Heidelberg Cement India Limited), Imlai, Damoh (M.P.)

Date of Monitoring : 15.05.2021

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near ADM Bld.	52.1	46.3
2.	Near Worker Colony	49.5	43.3
3.	Near Railway Siding	63.1	60.2
4.	Near Water Storage Tank (Behind D.G.Set)	62.4	56.1

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Ph.-2746282, Fax:2745726

Noise (Ambient Standard) - Noise Pollution (Prevention & Control Rule 2000)

Area Code	Category of area	Limit in dB (A) 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

Note:

1	Day time is reckoned in between 6:00 AM and 10:00 PM.
2	Night time is reckoned in between 10:00 PM and 6:00 AM
3	Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
4	Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

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REV. NO. : 00

TEST REPORT NO. : ECOLAB/D/N:03/05/21
ISSUE DATE: 31.05.2021

Month: : May-2021

TEST REPORT OF AMBIENT NOISE MONITORING

Name of Plant/Mines : Lime Stone Mines, Patharia- Diamond Cements
(Prop. Heidelberg Cement India Limited), Damoh (M.P.)

Date of Monitoring : 17.05.2021

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Main Office	55.4	50.5
2.	Near Back Filling Area	50.9	47.2
3.	Near Mine Pit	60.2	58.1
4.	Near Temple	53.5	44.1

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Archana
Authorized Signatory

Noise (Ambient Standard) - Noise Pollution (Prevention & Control Rule 2000)

Area Code	Category of area	Limit in dB (A) 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

Note:

1	Day time is reckoned in between 6:00 AM and 10:00 PM.
2	Night time is reckoned in between 10:00 PM and 6:00 AM
3	Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
4	Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

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ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Clinkerisation Unit
(Prop. HeidelbergCement India Limited), Narsingarh, Damoh (M.P.)

Location	S-1	S-2	S-3
Date of Monitoring	04.05.2021	06.05.2021	15.05.2021
Stack Details			
Material of Construction (Stack/Duct)	M.S.	M.S.	M.S.
Stack Attached to	Coal Mill No-1	Coal Mill No-2	Coal Mill No-3
Name of Air Pollution Control Device	Bag House	Bag House	Bag House
Stack Height above the Groundlevel (m)	30.4	37	72.7
Stack Top	Circular	Circular	Circular
Inside Diameter of Stack (m)	1.45	1.45	2.12
Cross sectional area of Duct/Stack (m ²)	1.65	1.65	3.53
Ambient Temp (°C)	33	31	26
Stack Gas Temp (°C)	57	63	68
Exit Velocity of Gas (m/sec.)	7.48	8.86	11.91
Flow Rate (Nm ³ / sec.)	10.63	12.08	33.70
(Test Conducted)			
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	13.6	12.2	16.4

Stack Emission Standard = 30 mg/NM³

* Plant was under Planned shutdown, Hence Stack Monitoring could not be conducted.

Note:S-1 : Coal Mill No-1
S-2 : Coal Mill No-2
S-3 : Coal Mill No-3
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Page No. 08

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FORMAT NO. : ECO/QS/D/FORMAT/03
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/S:01,02&06/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Clinkerisation Unit
(Prop. HeidelbergCement India Limited), Narsingarh, Damoh (M.P.)

Location	S-4	S-5	S-6	
Date of Monitoring	03.05.2021	11.05.2021	11.05.2021	
Stack Details				
Material of Construction (Stack/Duct)	M.S.	M.S.	M.S.	
Stack Attached to	Kiln / Raw Mill No-1	Kiln / Raw Mill No-2	Kiln / Raw Mill No-3	
Name of Air Pollution Control Device	Hybrid Filter	Hybrid Filter	RABH	
Stack Height above the Groundlevel (m)	76.4	98	110	
Stack Top	Circular	Circular	Circular	
Inside Diameter of Stack (m)	2.4	2.65	4.5	
Cross sectional area of Duct/Stack (m ²)	4.52	5.51	15.90	
Ambient Temp (°C)	31	40	40	
Stack Gas Temp (°C)	151	162	163	
Exit Velocity of Gas (m/sec.)	21.3	20.87	15.07	
Flow Rate (Nm ³ / sec.)	61.69	73.41	155.75	
Test Conducted				
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	14.7	15.9	18.2	
Oxygen (O ₂) (%)	11.7	8.9	8.5	
Sulphur Dioxide (SO ₂)	(mg/Nm ³)	12.2	22.6	15.3
	at 10 % O ₂ Correction (mg/Nm ³)	14.4	20.5	13.5
Nitrogen Dioxides (NO _x)	(mg/Nm ³)	542.3	520.4	584.8
	at 10 % O ₂ Correction (mg/Nm ³)	641.4	473.1	514.6
Standard				
PM	-	30 mg/Nm ³		
SO ₂	-	100 mg/Nm ³ at 10 % O ₂		
NO _x	-	800 mg/Nm ³ at 10 % O ₂		

Note: * Plant was under Planned shutdown, Hence Stack Monitoring could not be conducted.

S-4 : Kiln / Raw Mill No-1

S-5 : Kiln / Raw Mill No-2

S-6 : Kiln / Raw Mill No-3

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TEST REPORT NO. : ECO LAB/D/S:14,09,03&12/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines : M/s Diamond Cements -Clinkerisation Unit
(Prop. HeidelbergCement India Limited), Narsingarh, Damoh (M.P.)

Location	S-7	S-8	S-9	S-10
Date of Monitoring	03.05.2021	06.05.2021	17.05.2021	21.05.2021
Stack Details				
Material of Construction (Stack/Duct)	M.S.	M.S.	M.S.	M.S.
Stack Attached to	Clinker Cooler No-1	Clinker CoolerNo-2	Clinker Cooler No-3	Crusher
Name of Air Pollution Control Device	ESP	ESP	ESP	Bag House
Stack Height above the Groundlevel (m)	40	44.45	45.6	17
Stack Top	Circular	Circular	Circular	Circular
Inside Diameter of Stack (m)	2.976	3.75	3.75	0.8
Cross sectional area of Duct/Stack (m ²)	6.95	11.05	11.05	0.282
Ambient Temp (°C)	33	32	30	34
Stack Gas Temp (°C)	127	125	137	39
Exit Velocity of Gas (m/sec.)	7.91	7.64	11.50	6.90
Flow Rate (Nm ³ / sec.)	38.92	60.12	87.87	3.14
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	16.9	15.3	17.5	21.6

Stack Emission Standard = 30 mg/NM3

* Plant was under Planned shutdown, Hence Stack Monitoring could not be conducted.

Note:

S-7 : Clinker Cooler No-1

S-8 : Clinker Cooler No-2

S-9 : Clinker Cooler No-3

S-10 : Crusher

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FORMAT NO. : ECO/QS/D/FORMAT/03
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/S: 10,04&05/05/21
ISSUE DATE: : 31.05.2021

Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines : M/s Diamond Cements -Grinding Unit
(Prop. HeidelbergCement India Limited), Imlai, Damoh (M.P.)

Location	S-1	S-2	S-3
Date of Monitoring	10.05.2021	10.05.2021	20.05.2021
Stack Details			
Material of Construction (Stack/Duct)	M.S.	M.S.	M.S.
Stack Attached to	Cement Mill No-1	Cement Mill No-2	Cement Mill No-3
Name of Air Pollution Control Device	Bag House	Bag House	Bag House
Stack Height above the Groundlevel (m)	38	37.5	51
Stack Top	Circular	Circular	Circular
Inside Diameter of Stack (m)	1.45	1.5	1.12
Cross sectional area of Duct/Stack (m ²)	1.65	1.77	0.985
Ambient Temp (°C)	36	38	40
Stack Gas Temp (°C)	82	79	110
Exit Velocity of Gas (m/sec.)	6.65	9.04	14.1
Flow Rate (Nm ³ / sec.)	8.29	12.28	10.28
(Test Conducted)			
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	10.5	11.3	19.8

Stack Emission Standard = 30 mg/NM³

* Plant was under Planned shutdown, Hence Stack Monitoring could not be conducted.

Note:

S-1 : Cement Mill No-1
S-2 : Cement Mill No-2
S-3 : Cement Mill No-3

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Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines : M/s Diamond Cements -Grinding Unit
(Prop. HeidelbergCement India Limited), Imlai, Damoh (M.P.)

Location	S-4
Date of Monitoring	15.05.2021
Stack Details	
Material of Construction (Stack/Duct)	M.S.
Stack Attached to	Packing Plant No-3
Name of Air Pollution Control Device	Bag House
Stack Height above the Groundlevel (m)	30
Stack Top	Circular
Inside Diameter of Stack (m)	0.53
Cross sectional area of Duct/Stack (m ²)	0.22
Ambient Temp (°C)	32
Stack Gas Temp (°C)	39
Exit Velocity of Gas (m/sec.)	23.57
Flow Rate (Nm ³ / sec.)	4.75
(Test Conducted)	
Particulate Matter(PM) (mg/Nm ³ Samples)	(Isokinetic) 22.6

Stack Emission Standard = 30 mg/NM³

Note:

S-4 : Packer No-3

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FORMAT NO. : ECO/QS/D/FORMAT/03
 REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/S:13/05/21
 ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF STACK MONITORING

Name of Plant/Mines : Lime Stone Mines, Patharia-Diamond Cements
 (Prop. HeidelbergCement India Limited), Damoh (M.P.)

Location	S-01
Date of Monitoring	22.05.2021
Stack Details	
Material of Construction (Stack/Duct)	M.S.
Stack Attached to	Crusher
Name of Air Pollution Control Device	Bag House
Stack Height above the Groundlevel (m)	30
Stack Top	Circular
Inside Diameter of Stack (m)	1.5
Cross sectional area of Duct/Stack (m ²)	1.77
Ambient Temp (°C)	35
Stack Gas Temp (°C)	40
Exit Velocity of Gas (m/sec.)	15.70
Flow Rate (Nm ³ / sec.)	25.13
(Test Conducted)	
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	24.2

Stack Emission Standard = 30 mg/NM³

Note:

S-1 : Crusher

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FORMAT NO. : ECO/QS/D/FORMAT/06
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/ELW:14574-14575/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines : M/s Diamond Cements -Clinkerisation Unit
(Prop. Heidelbergcemen India Limited),Narsingarh Damoh (M.P.)

Date of Sample Collection : 22.05.2021

Source of Sample : Sewage Treatment Plant (STP)

Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.75	7.89	5.5 - 9.0
2	Total Suspended Solid (TSS)	380.1	7.4	10.0
3	Total Dissolved Solid (TDS)	816.5	355.2	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	170.1	5.8	10.0
5	Chemical Oxygen Demand (COD)	66.1	23.3	50.0
6	Oil & Grease (O&G)	1.5	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.7	0.74	-
8	Fecal Coliform (FC) MPN/100ml	-	72	1000

Note: All parameters are in mg/l except pH and SAR

Oil & Grease BDL < 1.0 (mg/l)

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FORMAT NO. : ECO/QS/D/FORMAT/06
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/ELW:14576-144577/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines : M/s Diamond Cements -Grinding Unit
(Prop. HeidelbergCement India Limited), Imlai, Damoh (M.P.)

Date of Sample Collection : 22.05.2021

Source of Sample : Sewage Treatment Plant (STP)

Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.64	7.41	5.5 - 9.0
2	Total Suspended Solid (TSS)	362.1	7.1	10.0
3	Total Dissolved Solid (TDS)	374.2	257.2	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	200.5	6.9	10.0
5	Chemical Oxygen Demand (COD)	397.0	21.2	50.0
6	Oil & Grease (O&G)	1.6	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.7	1.1	-
8	Fecal Coliform (FC) MPN/100ml	-	80	1000

Note: All parameters are in mg/l except pH and SAR

Oil & Grease BDL < 1.0 (mg/l)

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TEST REPORT NO. : ECO LAB/D/ELW:14578/05/21
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Month: May 2021

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines : Lime Stone Mines, Patharia-Diamond Cements
(Prop. HeidelbergCement India Limited), Damoh (M.P.)

Date of Sample Collection : 22.05.2021

Source of Sample : Septic tank

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.1	5.5 - 9.0
2	Total Suspended Solid (TSS)	7.1	10.0
3	Total Dissolved Solid (TDS)	448.5	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	6.5	10.0
5	Chemical Oxygen Demand (COD)	21.3	50.0
6	Oil & Grease (O&G)	BDL	10.0
7	Chloride(Cl)	42	1000.0

Note: All parameters are in mg/l except pH and SAR

Oil & Grease BDL < 1.0 (mg/l)

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TEST REPORT NO. : ECO LAB/D/ELW:14579/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines : Lime Stone Mines, Patharia-Diamond Cements
(Prop. HeidelbergCement India Limited), Damoh (M.P.)

Date of Sample Collection : 22.05.2021

Source of Sample : Oil & Grease Trap

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.5	5.5 - 9.0
2	Total Suspended Solid (TSS)	7.2	10
3	Total Dissolved Solid (TDS)	378.1	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	7.5	10
5	Chemical Oxygen Demand (COD)	21.8	50
6	Oil & Grease (O&G)	BDL	10

Note: All parameters are in mg/l except pH and SAR

Oil & Grease BDL < 1.0 (mg/l)

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TEST REPORT NO. : ECO LAB/D/ELW:14580/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF WATER ANALYSIS

Name of Plant/Mines : Lime Stone Mines, Patharia-Diamond Cements
(Prop. HeidelbergCement India Limited), Damoh (M.P.)

Date of Sample Collection : 22.05.2021

Source of Sample : Mine Pit

Sl. No.	Parameters	Result
1	pH	7.5
2	Suspended Solid	85.1
3	Total Dissolved Solid (TDS)	374.6
4	Total Hardness as CaCO ₃	443
5	Oil & Grease (O&G)	BDL
6	Fluoride as F	0.05
7	Calcium as CaCO ₃	276.4
8	Magnesium as CaCO ₃	167
9	Sodium as Na	16.2
10	Total Alkalinity	27.9
11	Potassium	1.5
12	Chloride as Cl	13.8
13	Total Organic Carbon (TOC)	1.2

Note: All parameters are in mg/l except pH

Oil & Grease BDL < 1.0 (mg/l)

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TEST REPORT NO. : ECO LAB/D/ELW:14581/05/21
ISSUE DATE : 31.05.2021

Month: May 2021

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines

(Prop. Heidelbergcemen India Limited), Narsingarh Damoh (M.P.)

Date of Sample Collection

: 22.05.2021

Source of Sample

: Effluent Treatment Plant

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.5	5.5 - 9.0
2	Total Suspended Solid (TSS)	15.4	100
3	Total Dissolved Solid (TDS)	446.2	2100
4	Biochemical Oxygen Demand (3 days at 27 °C)	2.1	30
5	Chemical Oxygen Demand (COD)	38.2	250
6	Oil & Grease (O&G)	BDL	10
7	Chlorides	280.1	1000

Note: All parameters are in mg/l except pH

Oil & Grease BDL < 1.0 (mg/l)

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Report Name : Average Report

From: 01-05-2021 - 00:00:00 To: 31-05-2021 - 15:21:00

Date (DD-MM-YYYY)	AAQMS_1 PM10 (ug/m3)Normalized	AAQMS_1 SO2 (ug/m3)Normalized	AAQMS_1 NO2 (ug/m3)Normalized	AAQMS 1 PM2.5 (ug/m3) Normalized	AAQMS_1 NOx (ug/m3)Normalized	AAQMS_1 NO (ug/m3)Normalized
Avg	28.2	39.81	1.59	9.02	4.58	2.12
Min	3.44	36.20	1.55	3.15	4.54	2.09
Max	85.92	41.46	1.64	20.07	4.67	2.15
Geom. Mean	28.2	39.81	1.59	9.02	4.58	2.12
Median	17	1.57	0.02	3.31	0.02	0.01
Mode	36.44	36.2	1.57	13.1	4.58	2.12
Std.Deviation	25.13	40.28	1.58	8.63	4.58	2.12
Prescribed Standard	100.0	80.0	80.0	60.0	80.0	80.0
First Max occurred at	05-05-2021	31-05-2021	20-05-2021	05-05-2021	22-05-2021	22-05-2021
First Min occurred at	19-05-2021	01-05-2021	09-05-2021	19-05-2021	29-05-2021	19-05-2021
Valid Data Points	31	31	31	31	31	31
Total Data Points	31	31	31	31	31	31
Data Availability %	100	100	100	100	100	100
Uncertainty	0	0	0	0	0	0
01-05-2021	36.44	36.2	1.58	13.1	4.56	2.11
02-05-2021	25.13	36.36	1.57	9.98	4.56	2.12
03-05-2021	25.66	36.57	1.57	7.83	4.57	2.12
04-05-2021	21.37	36.62	1.6	8.63	4.59	2.11
05-05-2021	85.92	36.74	1.59	20.07	4.58	2.11
06-05-2021	43.58	39.32	1.59	12.67	4.58	2.11
07-05-2021	31.44	41.06	1.57	10.48	4.59	2.13
08-05-2021	14.28	39.93	1.6	8.95	4.6	2.12
09-05-2021	15.91	39.29	1.55	6.8	4.55	2.12
10-05-2021	13.13	40.14	1.6	6.26	4.56	2.1
11-05-2021	17.1	39.37	1.58	5.03	4.57	2.12
12-05-2021	20.58	39.82	1.56	7	4.55	2.12
13-05-2021	13.27	39.7	1.59	6.51	4.61	2.14

14-05-2021	20.68	39.87	1.61	8.64	4.59	2.11
15-05-2021	14.57	39.94	1.57	8.15	4.58	2.13
16-05-2021	14.01	40.08	1.57	7.12	4.59	2.13
17-05-2021	11.42	40.28	1.57	5.62	4.58	2.12
18-05-2021	6.91	40.49	1.59	5.91	4.58	2.12
19-05-2021	3.44	40.64	1.63	3.15	4.57	2.09
20-05-2021	36.19	40.66	1.64	7.28	4.6	2.1
21-05-2021	26.55	40.57	1.6	8.53	4.61	2.13
22-05-2021	29.32	40.68	1.62	10.31	4.67	2.15
23-05-2021	40.12	40.77	1.58	10.4	4.55	2.11
24-05-2021	53.7	40.76	1.57	14.49	4.56	2.11
25-05-2021	47.95	40.79	1.58	12.05	4.57	2.12
26-05-2021	44.37	40.98	1.56	11.48	4.55	2.13
27-05-2021	37.7	41.12	1.6	11.4	4.58	2.12
28-05-2021	21.17	41.15	1.58	7.94	4.58	2.13
29-05-2021	13.04	41.26	1.58	4.21	4.54	2.1
30-05-2021	49.93	41.4	1.57	9.85	4.56	2.12
31-05-2021	39.43	41.46	1.57	9.76	4.6	2.15

Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_1 CO (mg/m3)Normalized
Avg	0.31
Min	0.23
Max	0.43
Geom.Mean	0.31
Median	0.04
Mode	0.3
Std.Deviation	0.3
Prescribed Standard	4.0
First Max occurred at	01-05-2021
First Min occurred at	19-05-2021
Valid Data Points	31
Total Data Points	31
Data Availability %	100
Uncertainty	0
01-05-2021	0.43
02-05-2021	0.36
03-05-2021	0.34
04-05-2021	0.33
05-05-2021	0.33
06-05-2021	0.35
07-05-2021	0.35
08-05-2021	0.31
09-05-2021	0.3
10-05-2021	0.27
11-05-2021	0.27
12-05-2021	0.27
13-05-2021	0.28
14-05-2021	0.3
15-05-2021	0.32

16-05-2021	0.28
17-05-2021	0.26
18-05-2021	0.26
19-05-2021	0.23
20-05-2021	0.23
21-05-2021	0.29
22-05-2021	0.3
23-05-2021	0.29
24-05-2021	0.32
25-05-2021	0.34
26-05-2021	0.37
27-05-2021	0.37
28-05-2021	0.31
29-05-2021	0.29
30-05-2021	0.3
31-05-2021	0.26



Real Time Data Acquisition And Monitoring



Created By: glensAdmin
Created At: 2021-06-05 15:36:06

Report Name : Average Report

From: 01-05-2021 - 00:00:00 To: 31-05-2021 - 23:59:15

Date (DD-MM-YYYY)	AAQMS_2 NOx (ug/m3)Normalized	AAQMS_2 NO (ug/m3)Normalized	AAQMS_2 CO (mg/m3)Normalized	AAQMS_2 SO2 (ug/m3)Normalized	AAQMS_2 NO2 (ug/m3)Normalized	AAQMS 2 PM2.5 (ug/m3) Normalized
Avg	4.43	2.24	0.05	18.64	1.2	17.42
Min	4.35	2.22	0.02	18.61	1.17	9.26
Max	4.47	2.26	0.10	18.72	1.23	28.35
Geom. Mean	4.43	2.24	0.05	18.64	1.2	17.42
Median	0.02	0.01	0.02	0.04	0.01	4.81
Mode	4.43	2.24	0.04	18.61	1.19	25.57
Std. Deviation	4.43	2.24	0.04	18.62	1.2	17.66
Prescribed Standard	80.0	80.0	4.0	80.0	80.0	60.0
First Max occurred at	01-05-2021	11-05-2021	01-05-2021	31-05-2021	17-05-2021	04-05-2021
First Min occurred at	26-05-2021	21-05-2021	19-05-2021	04-05-2021	26-05-2021	20-05-2021
Valid Data Points	31	31	31	31	31	31
Total Data Points	31	31	31	31	31	31
Data Availability %	100	100	100	100	100	100
Uncertainty	0	0	0	0	0	0
01-05-2021	4.47	2.25	0.1	18.67	1.22	25.57
02-05-2021	4.47	2.25	0.07	18.65	1.22	24.23
03-05-2021	4.44	2.25	0.06	18.65	1.19	15.83
04-05-2021	4.43	2.24	0.05	18.61	1.2	28.35
05-05-2021	4.43	2.24	0.04	18.61	1.2	17.66
06-05-2021	4.42	2.24	0.05	18.61	1.19	22.74
07-05-2021	4.45	2.25	0.05	18.61	1.21	20.8
08-05-2021	4.45	2.25	0.05	18.63	1.2	18.92
09-05-2021	4.44	2.25	0.04	18.65	1.2	15.88
10-05-2021	4.44	2.25	0.04	18.67	1.2	12.32
11-05-2021	4.45	2.26	0.03	18.68	1.19	11.95
12-05-2021	4.44	2.24	0.04	18.71	1.22	12.79
13-05-2021	4.45	2.25	0.04	18.7	1.2	15.23

14-05-2021	4.43	2.24	0.05	18.71	1.21	15.34
15-05-2021	4.43	2.25	0.05	18.69	1.19	19.07
16-05-2021	4.44	2.24	0.04	18.7	1.21	14.55
17-05-2021	4.45	2.24	0.03	18.67	1.23	12.55
18-05-2021	4.44	2.25	0.03	18.61	1.19	14.13
19-05-2021	4.41	2.24	0.02	18.61	1.18	9.7
20-05-2021	4.43	2.24	0.02	18.61	1.19	9.26
21-05-2021	4.41	2.22	0.04	18.61	1.19	18.31
22-05-2021	4.41	2.24	0.04	18.61	1.18	18.83
23-05-2021	4.41	2.23	0.04	18.61	1.19	16.63
24-05-2021	4.4	2.24	0.04	18.61	1.19	27.3
25-05-2021	4.41	2.24	0.04	18.61	1.18	18.51
26-05-2021	4.38	2.22	0.06	18.61	1.17	18.37
27-05-2021	4.45	2.24	0.06	18.61	1.19	21.69
28-05-2021	4.41	2.24	0.05	18.61	1.18	17.84
29-05-2021	4.43	2.22	0.03	18.62	1.22	10.04
30-05-2021	4.44	2.24	0.07	18.7	1.21	18.87
31-05-2021	4.43	2.24	0.03	18.72	1.2	16.67

Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_2 PM10 (ug/m3)Normalized
Avg	73.84
Min	16.36
Max	100.42
Geom.Mean	73.84
Median	81.52
Mode	73.4
Std.Deviation	48.01
Prescribed Standard	100.0
First Max occurred at	28-05-2021
First Min occurred at	23-05-2021
Valid Data Points	30
Total Data Points	31
Data Availability %	96
Uncertainty	0
01-05-2021	73.4
02-05-2021	39.82
03-05-2021	36.85
04-05-2021	32.1
05-05-2021	44.23
06-05-2021	98.57
07-05-2021	57.35
08-05-2021	51.25
09-05-2021	33.16
10-05-2021	19.56
11-05-2021	43.97
12-05-2021	32.7
13-05-2021	57.93
14-05-2021	57.53
15-05-2021	67.15

16-05-2021	46.09
17-05-2021	30.56
18-05-2021	52.39
19-05-2021	33.23
20-05-2021	18.04
21-05-2021	87.12
22-05-2021	47.82
23-05-2021	16.36
24-05-2021	0
25-05-2021	67.84
26-05-2021	48.01
27-05-2021	222.63
28-05-2021	400.42
29-05-2021	309.78
30-05-2021	51.68
31-05-2021	37.67

DIAMOND CEMENTS - DAMOH

PERFORMANCE OF ESPs / BAG HOUSES

May-21

PCM ATTACHED TO	Plant Operation		PCM Operation		PCM Stoppage Hrs.	No. OF		% OF		Remarks
	Hrs.	Min	Hrs.	Min		ESP	Trippings	ESP	R.Hrs	
ESP To KILN NO. 1 + RAW MILL NO.1	97	30	97	30	0.000	0	0	100.000		
ESP To KILN NO. 2 + RAW MILL NO. 2	313	55	313	55	0.000	0	0	100.000		
REVERSE AIR BAG HOUSE(RABH) To KILN NO. 3 + RAW MILL NO. 3	737	7	737	7	0.000	0	0	100.000		
BAG HOUSE To COAL MILL NO. 1	76	55	76	55	0.000	0	0	100.000		
BAG HOUSE To COAL MILL NO. 2	5293	0	5293	0	0.000	0	0	100.000		
BAG HOUSE To COAL MILL NO. 3	617	15	617	15	0.000	0	0	100.000		
ESP To COOLER NO. 1	97	30	97	30	0.000	0	0	100.000		
ESP To COOLER NO. 2	313	55	313	53	0.033	1	1	99.989		
ESP To COOLER NO. 3	737	7	737	6	0.017	1	1	99.998		
BAG HOUSE To CEMENT MILL NO. 1	617	15	617	15	0.000	0	0	100.000		
BAG HOUSE To CEMENT MILL NO. 2	569	25	569	25	0.000	0	0	100.000		
BAG HOUSE To CEMENT MILL NO. 3	79	30	79	30	0.000	0	0	100.000		

DIAMOND CEMENTS DAMOH

Energy Meter Reading

Month : May - 21

S.No.	Location	Month	Consumption (KWH)	Remarks, If Any
Clinkerisation Unit Narsingarh				
1	Hybrid ESP For KILN/ RAW MILL NO.1	May-21	1101	
2	Hybrid ESP For KILN/ RAW MILL NO.2	May-21	10120	
3	RABH For KILN / RAW MILL NO. 3	May-21	274873	
4	ESP For COOLER NO. 1	May-21	2809	
5	ESP For COOLER NO. 2	May-21	11882	
6	ESP For COOLER NO. 3	May-21	10731	
7	BAG HOUSE For COAL MILL NO. 1	May-21	2758	
8	BAG HOUSE For COAL MILL NO. 2	May-21	62166	
9	BAG HOUSE For COAL MILL NO. 3	May-21	320950	
10	SEWAGE TREATMENT PLANT	May-21	8223	
Grinding Unit Imlai				
1	BAG HOUSE For CEMENT MILL NO. 1	May-21	8196	
2	BAG HOUSE For CEMENT MILL NO. 2	May-21	13516	
3	BAG HOUSE For CEMENT MILL NO. 3	May-21	7849	
4	SEWAGE TREATMENT PLANT	May-21	14780	

ABBREVIATIONS

S. No.	Abbreviation	Full Form
1.	SPM	Suspended Particulate Matter
2.	RABH	Reverse Air Bag House
3.	PM	Particulate Matter
4.	PM ₁₀	Particulate Matter of less than 10 micron size
5.	PM _{2.5}	Particulate Matter of less than 2.5 micron size
6.	SO ₂	Sulphur Dioxide
7.	NO ₂	Nitrogen Dioxide
8.	CO	Carbon Monoxide
9.	AAQMS	Ambient Air Quality Monitoring Station
10.	BDL	Below Detection Limit
11.	dB	Decibel
12.	°C	Degree Centigrade
13.	m/sec	Meter per second
14.	m ²	Meter square
15.	Nm ³ /sec	Normal cubic meter per second
16.	µg/m ³	Micro Grams per cubic meter
17.	mg/Nm ³	Milli Grams per Normal cubic meter
18.	mg/l	Milli Grams per liter



**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

ECOMEN LABORATORIES PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Flat 5-8, IInd Floor, Arif Chamber V, Sector-H, Aliganj,
Lucknow, Uttar Pradesh

in the field of

TESTING

Certificate Number TC-7587 (in lieu of T-2202)

Issue Date 25/07/2018

Valid Until 24/07/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



89076970100030001777

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



26.06.2020

Extension in Validity of Accreditation

NABL Policy: It is decided to extend the validity of accreditation for a period of one year to all conformity assessment bodies (CABs) where renewal of accreditation is to take place and accreditation validity date is between 01.01.2020 and 30.06.2022 **subject to the following:**

1. Providing satisfactory documents based on NABL-218 wrt compliance to the requirements of the relevant Standard and NABL requirements.
2. The CABs are required to conduct additional internal audit to ensure compliance with the standard requirements (by increasing the existing frequency of their audit plan) and submit the document.
3. The CABs are required to provide control charts and trends for assuring the validity of results.
4. CABs are required to provide an undertaking to undergo unannounced assessment (onsite and/or remotely, depending on the situation) and actions as per NABL-216 thereof, at any point of time during the validity period.
5. Making payment of **annual accreditation fee** for the extended period.

Examples:

- Accredited CABs with date of issue 15.01.2018 and valid till 14.01.2020, then their Accreditation validity will be extended till 14.01.2021.
- Accredited CABs with date of issue 15.02.2019 and valid till 14.02.2021, then their Accreditation validity will be extended till 14.02.2022.
- Accredited CABs with date of issue 15.06.2020 and valid till 14.06.2022, then their Accreditation validity will be extended till 14.06.2023

NOTE:

1. The above will be applicable to the laboratories for which transition to ISO/IEC 17025:2017 version has been completed. For the laboratories which are accredited as per ISO/IEC 17025:2005 version, they have to undergo transition assessment (onsite and/or remotely, depending on the situation) and follow transition plan defined.
2. The above is not applicable to CABs where there will be a change in name of CAB and/or legal identity change and/or Premises change.
3. Also, **the above is not applicable to the CABs which are not registered in portal** (exemption- International accredited CABs).
4. Routine assessments will take place for any scope extension /addition.
5. Payment due to NABL can be deferred (postpone the payment) upto a period of Six (6) months. There will be no waive-off of any fee for any CABs. If payments are not made, then action as per procedure (NABL-216) will be initiated. There will be no relaxations wrt payment from 01.01.2021.

N.Venkateswaran
CEO, NABL

NABL House, Plot 45, Sector 44; Gurugram 122 002, Haryana, India

Tel. No.: +91-124-4679700 (30 lines) • Fax: +91-124-4679799 • Website: www.nabl-india.org



CERTIFICATE

*This is to Certify that the
Occupational Health & Safety Management System
of*

ECOMEN LABORATORIES PVT. LTD.

**FLAT NO. 5-8, 2ND FLOOR, ARIF CHAMBER-V, SECTOR- H,
ALIGANJ, LUCKNOW- 226024, (U.P.) INDIA.**

**has been independently assessed and is compliant
with the requirements of**

OHSAS 18001:2007

This Certificate is applicable to the following product or service ranges:

**ENVIRONMENTAL MONITORING, STUDIES, TESTING SERVICES IN
CHEMICAL FIELD, ENVIRONMENTAL IMPACT ASSESSMENT,
ENVIRONMENTAL MANAGEMENT PLAN AND
CONSULTANCY SERVICES**

Certificate No.: IN32538C

IAS UID No.: MSCB-132-76321

Date of initial registration	15 July 2015
Date of this Certificate	14 July 2018
Surveillance audit on or before	14 July 2019
Recertification Due / Certificate expiry	14 July 2021

This Certificate is property of LMS Certifications and remains valid
subject to satisfactory surveillance audits.



Director

For verification and updated information concerning the present certificate visit to www.iascert.com
This Certificate is the property of LMS Certification Limited and shall be returned immediately when demanded.



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Visit : www.lmscert.com

