

HCIL(NGH)-ENV-F-101/2020/

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

Diamond Cements
Prop: HeidelbergCement India Limited
CIN: L26942HR1958FLC042301

Village and P. O. Narsingarh
District Damoh, M.P. 470 675,
India
Phone +91-07601-241301, 02 & 05
Fax +91-07601-241235

Nov 04, 2020**Sub.: Monthly Environmental Monitoring Reports for Oct 2020**

Sir,

Please find enclosed herewith the Environmental Monitoring Report of the following for the month of **Oct- 2020**

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, Stack Monitoring, Waste water Quality Analysis Reports, and Mine Pit water Analysis Report, Online monitoring data of CAAQMS.
4	Lime Stone Mines, Narsingarh (Closed Mines)	Ambient Air Quality Monitoring, Mine Pit water Analysis Report

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 462016

CC: The Regional Officer

MP Pollution Control Board, Deen Dayal Nagar, Housing Board Colony, Sagar (MP)

CC: Sr. G.M. Mines – For kind information & record please

CC: VP (T) Imlai – For kind information & record please

CC: Office Copy



**ENVIRONMENTAL MONITORING
REPORT**

of

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

for

October, 2020

Prepared by:



ecoMen

Ecomen Laboratories Pvt. Ltd.

(An approved Laboratory from NABL and MoEF&CC)

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An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

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

TEST REPORT NO : ECO LAB/D/A:05-08 & M:05-08/10/20
ISSUE DATE 31.10.2020

Month: October, 2020

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Clinkersallion Unit
(Prop. HeidelbergCement India Limited), Narsingarh, 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 ($\mu\text{g}/\text{m}^3$)
		03.10.2020	05.10.2020		03.10.2020	03.10.2020	03.10.2020
Near Hospital	06.00 am	22.70	41.44	06:00 am to 10:00 am	330	7.83	10.12
				10:00 am to 02:00 pm		8.43	11.09
				02:00 pm to 06:00 pm		8.41	12.26
				06:00 pm to 10:00 pm	340	8.87	10.85
				10:00 pm to 02:00 am		7.79	9.83
				02:00 am to 06:00 am		9.03	9.88
				Average Value	337	8.39	10.67
Near Gate of Mine Pit No.1	06.00 am	28.63	44.20	06:20 am to 10:20 am	310	8.89	11.75
				10:20 am to 02:20 pm		8.43	13.26
				02:20 pm to 06:20 pm		10.11	12.90
				06:20 pm to 10:20 pm	340	10.84	12.05
				10:20 pm to 02:20 am		9.83	13.70
				02:20 am to 06:20 am		7.60	12.53
				Average Value	333	9.27	12.63
Near STP Area	06.00 am	27.63	45.90	06:40 am to 10:40 am	320	8.39	12.23
				10:40 am to 02:40 pm		9.61	12.50
				02:40 pm to 06:40 pm		8.35	11.46
				06:40 pm to 10:40 pm	340	9.29	11.96
				10:40 pm to 02:40 am		9.01	11.54
				02:40 am to 06:40 am		9.56	11.72
				Average Value	330	9.03	11.90
Near Worker Colony	06.00 am	24.90	39.92	07:00 am to 11:00 am	380	9.61	10.10
				11:00 am to 03:00 pm		8.43	10.36
				03:00 pm to 07:00 pm		8.41	10.59
				07:00 pm to 11:00 pm	370	9.01	11.06
				11:00 pm to 03:00 am		8.44	11.33
				03:20 am to 07:00 am		7.83	9.64
				Average Value	370	8.79	10.51

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 < 8.1 ($\mu\text{g}/\text{m}^3$)

[Signature]
Checked by

Authorized Signatory

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TEST REPORT NO : ECO LAB/O/A-09-12 & M-09-12/10/20
ISSUE DATE : 31/10/2020

Month: October, 2020

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

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

AAQMS	Date/ Time*	PM _{2.5} (µg/m ³)		Time	CO (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
		08.10.2020	07.10.2020		07.10.2020	07.10.2020	07.10.2020
Near Admin Bld.	06.00 am	23.43	39.92	08:00 am to 10:00 am	380	7.17	12.20
				10:00 am to 02:00 pm		7.22	12.53
				02:00 pm to 06:00 pm		7.79	8.15
				06:00 pm to 10:00 pm	400	9.01	10.63
				10:00 pm to 02:00 am		7.41	9.68
				02:00 am to 06:00 am		8.64	9.42
				Average Value	390	7.54	10.47
Near Water Storage Tank (Behind D.G. Set)	06.00 am	27.61	43.66	06:20 am to 10:20 am	390	8.96	9.79
				10:20 am to 02:20 pm		9.01	11.14
				02:20 pm to 06:20 pm	410	8.41	12.26
				06:20 pm to 10:20 pm		8.41	13.22
				10:20 pm to 02:20 am	400	8.33	10.71
				02:20 am to 06:20 am		10.26	11.36
				Average Value	400	8.89	11.41
Near Railway Siding	06.00 am	25.76	42.84	06:40 am to 10:40 am	380	8.41	12.02
				10:40 am to 02:40 pm		9.63	11.57
				02:40 pm to 06:40 pm	420	9.61	10.82
				06:40 pm to 10:40 pm		10.50	13.02
				10:40 pm to 02:40 am	410	9.03	13.02
				02:40 am to 06:40 am		9.01	10.38
				Average Value	407	9.36	11.80
Near Worker Colony	06.00 am	20.09	38.10	07:00 am to 11:00 am	380	8.45	8.22
				11:00 am to 03:00 pm		8.65	10.62
				03:00 pm to 07:00 pm		8.98	9.09
				07:00 pm to 11:00 pm	390	8.45	11.60
				11:00 pm to 03:00 am		8.41	12.98
				03:20 am to 07:00 am	400	10.23	11.33
				Average Value		390	8.69

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

* Time mentioned above is the initial Time of Sampling.

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

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Month: October. 2020

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 ($\mu\text{g}/\text{m}^3$)
		01.10.2020	01.10.2020		01.10.2020	03.10.2020	03.10.2020
Near Main Office	06.00 am	20.69	37.39	06:00 am to 10:00 am	390	8.37	9.81
				10:00 am to 02:00 pm			
				02:00 pm to 06:00 pm			
				06:00 pm to 10:00 pm	410	8.41	12.98
				10:00 pm to 02:00 am			
				02:00 am to 06:00 am			
				Average Value	407	8.27	10.58
Near Back Filling Area	06.00 am	24.23	39.92	06:20 am to 10:20 am	400	8.43	12.05
				10:20 am to 02:20 pm			
				02:20 pm to 06:20 pm			
				06:20 pm to 10:20 pm	390	8.56	12.20
				10:20 pm to 02:20 am			
				02:20 am to 06:20 am			
				Average Value	400	9.40	12.30
Near Mine Pit	06.00 am	26.88	41.41	06:40 am to 10:40 am	340	8.41	11.54
				10:40 am to 02:40 pm			
				02:40 pm to 06:40 pm			
				06:40 pm to 10:40 pm	350	8.99	11.51
				10:40 pm to 02:40 am			
				02:40 am to 06:40 am			
				Average Value	360	8.41	9.88
Near Temple	06.00 am	21.77	35.86	07:00 am to 11:00 am	360	8.43	10.12
				11:00 am to 03:00 pm			
				03:00 pm to 07:00 pm			
				07:00 pm to 11:00 pm	350	8.99	9.83
				11:00 pm to 03:00 am			
				03:20 am to 07:00 am			
				Average Value	360	7.81	10.10
				Average Value	357	8.34	10.40

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 ($\mu\text{g}/\text{m}^3$)

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TEST REPORT NO. : ECO LAB/D/A:13-18 & M:13-16/10/20
ISSUE DATE : 31.10.2020

Month: October. 2020

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 ^R	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)
		23.10.2020	24.10.2020		24.10.2020	24.10.2020	24.10.2020
Near Main Office	06.00 am	19.73	37.82	06:00 am to 10:00 am	380	7.83	9.88
				10:00 am to 02:00 pm		7.81	10.82
				02:00 pm to 06:00 pm	390	8.43	10.68
				06:00 pm to 10:00 pm		8.24	12.29
				10:00 pm to 02:00 am	400	8.41	10.58
				02:00 am to 06:00 am		7.77	8.61
				Average Value	390	8.08	10.46
Near Back Filling Area	05.00 am	27.93	47.32	06:20 am to 10:20 am	300	10.21	12.02
				10:20 am to 02:20 pm		9.63	12.29
				02:20 pm to 06:20 pm	310	9.81	12.92
				06:20 pm to 10:20 pm		10.23	11.81
				10:20 pm to 02:20 am	320	8.99	11.87
				02:20 am to 06:20 am		9.81	12.26
				Average Value	310	9.75	12.20
Near Mine Pit	06.00 am	26.88	47.72	08:40 am to 10:40 am	340	8.37	12.20
				10:40 am to 02:40 pm		9.05	10.87
				02:40 pm to 06:40 pm	430	8.45	13.77
				06:40 pm to 10:40 pm		9.69	11.03
				10:40 pm to 02:40 am	420	8.96	11.72
				02:40 am to 06:40 am		10.06	11.24
				Average Value	397	9.08	11.81
Near Temple	06.00 am	23.71	38.35	07:00 am to 11:00 am	360	8.43	11.33
				11:00 am to 03:00 pm		9.03	10.85
				03:00 pm to 07:00 pm	380	9.81	10.38
				07:00 pm to 11:00 pm		8.92	11.43
				11:00 pm to 03:00 am	350	9.24	11.06
				03:00 am to 07:00 am		9.03	9.88
				Average Value	377	9.04	10.82

Air (Ambient Standard) - The Environment (Protection) Rules, 1986 [NAAQMS]							
S.NO.	Standard	Time	PM 2.5	PM 10	SO ₂	NO ₂	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)

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ISSUE DATE 31.10.2020

Month: October 2020

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines : Lime Stone Mines, Narsingarh-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)
		27.10.2019	26.10.2019		26.10.2019	26.10.2019	26.10.2019
Near Mines office (Old)	06.00 am	18.40	32.89	06:20 am to 10:20 am	320	5.54	7.88
				10:20 am to 02:20 pm	360	4.52	10.16
				02:20 pm to 06:20 pm	340	5.69	9.44
				06:20 pm to 10:20 pm	310	4.88	9.24
				10:20 pm to 02:20 am	400	5.57	9.90
				02:20 am to 06:20 am	350	5.99	10.97
				Average Value	347	5.36	9.60
Near Reclaimed Mine Pit (Water Reservoir)	06.00 am	19.73	36.24	06:20 am to 10:20 am	420	4.78	9.51
				10:20 am to 02:20 pm	310	5.87	8.36
				02:20 pm to 06:20 pm	360	3.90	11.09
				06:20 pm to 10:20 pm	310	4.64	12.13
				10:20 pm to 02:20 am	390	5.86	9.90
				02:20 am to 06:20 am	370	4.74	9.94
				Average Value	360	4.96	10.16

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)

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 REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/N:01/10/20
 ISSUE DATE : 31.10.2020

Month: : October 2020

TEST REPORT OF AMBIENT NOISE MONITORING

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

Date of Monitoring : 05.10.2020

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Hospital	50.3	44.8
2.	Near Gate of Mine Pit No.1	59.6	66.7
3.	Near STP Area	60.3	58.9
4.	Near Worker Colony	47.5	42.4

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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	66	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: 31.10.2020

Month: : October 2020

TEST REPORT OF AMBIENT NOISE MONITORING

Name of Plant/Mines :

M/s Diamond Cements -Grinding Unit
(Prop. Heidelberg Cement India Limited), Imlia, Damoh (M.P.)

Date of Monitoring :

07.10.2020

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near ADM Bld.	54.9	50.3
2.	Near Worker Colony	48.6	43.1
3.	Near Railway Siding	61.3	55.8
4.	Near Water Storage Tank (Behind D.G.Set)	58.4	54.7

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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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FORMAT NO. : ECO/OS/D/FORMAT/02
 REV. NO : 00

TEST REPORT NO. : ECO LAB/D/N:03/10/20
 ISSUE DATE: 31.10.2020

Month: : October 2020

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 : 24.10.2020

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Main Office	60.3	58.3
2.	Near Back Filling Area	52.3	49.6
3.	Near Mine Pit	59.6	56.7
4.	Near Temple	55.9	52.4

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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:

- Day time is reckoned in between 6:00 AM and 10:00 PM.
- Night time is reckoned in between 10:00 PM and 6:00 AM
- 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.
- 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.

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

TEST REPORT NO. : ECO LAB/D/S:08.15 & 12/10/20
 ISSUE DATE : 31.10.2020

Month: October 2020

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	15.10.2020	24.10.2020	17.10.2020
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	32	32
Stack Gas Temp (°C)	61	69	70
Exit Velocity of Gas (m/sec.)	5.52	7.09	7.18
Flow Rate (Nm ³ / sec.)	7.61	9.58	19.94
Lab Testing			
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	13.8	16.4	12.3

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

TEST REPORT NO. : ECO LAB/D/S:14.02 & 13/10/20
 ISSUE DATE : 31 10 2020

Month: October 2020

TEST REPORT OF STACK MONITORING

Name of Plant/Mines :

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

Location	S-4	S-5	S-6	
Date of Monitoring	20.10.2020	01.10.2020	19.10.2020	
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)	29	27	34	
Stack Gas Temp (°C)	145	114	85	
Exit Velocity of Gas (m/sec.)	19.92	18.01	14.28	
Flow Rate (Nm ³ /sec.)	58.58	71.42	172.44	
Test Conducted				
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	17.7	14.8	20.3	
Oxygen (O ₂) (%)	11.8	9.2	8.5	
Sulphur Dioxide (SO ₂)	(mg/Nm ³)	10.6	11.8	15.8
	at 10 % O ₂ Correction (mg/Nm ³)	12.7	11	13.9
Nitrogen Dioxides (NO _x)	(mg/Nm ³)	430.8	605.4	540.9
	at 10 % O ₂ Correction (mg/Nm ³)	515.1	564.4	476.0
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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 REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/S:05.06.07 & 03/10/20
 ISSUE DATE : 31.10.2020

Month: October 2020

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	08.10.2020	13.10.2020	13.10.2020	05.10.2020
Stack Details				
Material of Construction (Stack/Duct)	M.S.	M.S.	M.S.	M.S.
Stack Attached to	Clinker Cooler No-1	Clinker Cooler No-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	31	31	30
Stack Gas Temp (°C)	127	102	132	34
Exit Velocity of Gas (m/sec.)	11.74	6.69	11.02	6.73
Flow Rate (Nm ³ / sec.)	57	55.79	85.3	3.10
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	13.9	18.1	11.5	24.6

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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TEST REPORT NO. : ECO LAB/D/S: 01,04 & 11/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

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	01.10.2020	06.10.2020	17.10.2020
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)	30	31	29
Stack Gas Temp (°C)	82	75	95
Exit Velocity of Gas (m/sec.)	4.91	6.86	15.08
Flow Rate (Nm ³ / sec.)	6.12	9.37	10.79
(Test Conducted)			
Particulate Matter(PM) (mg/Nm ³) (Isokinetic Samples)	10.2	11.1	15.9

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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ISSUE DATE : 31.10.2020

Month: October 2020

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	16.10.2020
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)	31
Stack Gas Temp (°C)	* 37
Exit Velocity of Gas (m/sec.)	23.60
Flow Rate (Nm ³ / sec.)	4.74
(Test Conducted)	
Particulate Matter(PM) (mg/Nm ³) Samples	(Isokinetic) 23.4


Stack Emission Standard = 30 mg/NM³

Note:

S-4 : Packer No-3


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REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/S:10/10/20
ISSUE DATE: : 31.10.2020

Month: October 2020

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	17.10.2020
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)	32
Stack Gas Temp (°C)	35
Exit Velocity of Gas (m/sec.)	6.56
Flow Rate (Nm ³ / sec.)	10.66
(Test Conducted)	
Particulate Matter(FM) (mg/Nm ³) (Isokinetic Samples)	25.4

Stack Emission Standard = 30 mg/NM³

Note:
S-1 : Crusher


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FORMAT NO. : ECO/QS/D/FORMAT/05
REV. NO. : 00

TEST REPORT NO. : ECO LAB/DWE:01-05/10/20
ISSUE DATE: 31-10-2020

Month: October 2020

TEST REPORT OF WORK ENVIRONMENT MONITORING


Name of Plant/Mines :

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

Sl. No.	Locations	Date	Time	Total Dust (mg/m ³)
1	Kiln Area	01.10.2020	06:00 am to 02:00 pm	1.90
			02:00 pm to 10:00 pm	2.10
			10:00 pm to 06:00 am	2.00
2	Near Crusher Area	03.10.2020	06:00 am to 02:00 pm	1.91
			02:00 pm to 10:00 pm	1.99
			10:00 pm to 06:00 am	2.09
3	Raw Mill Area	03.10.2020	06:00 am to 02:00 pm	2.00
			02:00 pm to 10:00 pm	1.80
			10:00 pm to 06:00 am	2.00
4	Commissioning Office Project	05.10.2020	06:00 am to 02:00 pm	1.89
			02:00 pm to 10:00 pm	1.79
			10:00 pm to 06:00 am	2.00
5	Environmental Lab.	05.10.2020	06:00 am to 02:00 pm	1.60
			02:00 pm to 10:00 pm	1.69
			10:00 pm to 06:00 am	1.74


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REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/WE:06-10/10/20
ISSUE DATE: 31-10-2020

Month: October 2020

TEST REPORT OF WORK ENVIRONMENT MONITORING

Name of Plant/Mines :


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

Sl. No.	Locations	Date	Time	Total Dust (mg/m ³)
1	Near Weigh Bridge Area	07.10.2020	06:00 am to 02:00 pm	2.33
			02:00 pm to 10:00 pm	2.39
			10:00 pm to 06:00 am	2.60
2	Near Packing Plant	08.10.2020	06:00 am to 02:00 pm	2.59
			02:00 pm to 10:00 pm	2.79
			10:00 pm to 06:00 am	2.69
3	Mill Control Room	09.10.2020	06:00 am to 02:00 pm	2.40
			02:00 pm to 10:00 pm	2.20
			10:00 pm to 06:00 am	2.31
4	STP Area	10.10.2020	06:00 am to 02:00 pm	2.30
			02:00 pm to 10:00 pm	37.11
			10:00 pm to 06:00 am	2.39
5	QC Office	10.10.2020	06:00 am to 02:00 pm	2.60
			02:00 pm to 10:00 pm	2.10
			10:00 pm to 06:00 am	2.40


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FORMAT NO. : ECO/QS/D/FORMAT/05
REV. NO. : 00

TEST REPORT NO. : ECO LAB/DWE:11-15/10/20
ISSUE DATE : 31-10-2020

Month: October 2020

TEST REPORT OF WORK ENVIRONMENT MONITORING

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

Sl. No.	Locations	Date	Time	Total Dust (mg/m ³)
1	Drill Operator	13.10.2020	06:00 am to 02:00 pm	2.00
			02:00 pm to 10:00 pm	1.80
			10:00 pm to 06:00 am	1.90
2	Crusher Office	14.10.2020	06:00 am to 02:00 pm	2.20
			02:00 pm to 10:00 pm	2.30
			10:00 pm to 06:00 am	2.10
3	Dumper Operator	15.10.2020	06:00 am to 02:00 pm	1.80
			02:00 pm to 10:00 pm	1.90
			10:00 pm to 06:00 am	1.60
4	Excavator Operator	16.10.2020	06:00 am to 02:00 pm	1.60
			02:00 pm to 10:00 pm	1.90
			10:00 pm to 06:00 am	1.80
5	Weigh Bridge Operator	17.10.2020	06:00 am to 02:00 pm	2.20
			02:00 pm to 10:00 pm	2.30
			10:00 pm to 06:00 am	2.10


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ISSUE DATE : 31.10.2020

Month: October 2020

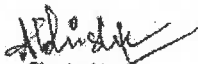
TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines : M/s Diamond Cements -Clinkerisation Unit
(Prop. Heidelbergcemen India Limited),Narsingarh Damoh (M.P.)
Date of Sample Collection : 22.10.2020
Source of Sample : Sewage Treatment Plant (STP)


Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.88	7.50	5.5 - 9.0
2	Total Suspended Solid (TSS)	339.5	7.5	10.0
3	Total Dissolved Solid (TDS)	718.2	349.5	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	160.2	7.2	10.0
5	Chemical Oxygen Demand (COD)	258.3	25.7	50.0
6	Oil & Grease (O&G)	1.9	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.5	0.88	-
8	Fecal Coliform (FC) MPN/100ml	-	87	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/08
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/ELW:12466-12467/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

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 : 22.10.2020
Source of Sample : Sewage Treatment Plant (STP)

Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.78	7.55	5.5 - 9.0
2	Total Suspended Solid (TSS)	250.3	7.6	10.0
3	Total Dissolved Solid (TDS)	466.8	270.6	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	170.0	.82	10.0
5	Chemical Oxygen Demand (COD)	366.4	17.4	50.0
6	Oil & Grease (O&G)	2.1	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.6	1.1	-
8	Fecal Coliform (FC) MPN/100ml	-	76	1000

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

Oil & Grease BDL \times 1.0 (mg/l)

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Authorized Signatory

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An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

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

TEST REPORT NO. : ECO LAB/D/ELW:12468/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

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 : 22.10.2020

Source of Sample : Septic tank

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.6	5.5 - 9.0
2	Total Suspended Solid (TSS)	7.8	10.0
3	Total Dissolved Solid (TDS)	455.5	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	8.1	10.0
5	Chemical Oxygen Demand (COD)	22.2	50.0
6	Oil & Grease (O&G)	BDL	10.0
7	Chloride(Cl)	35.6	1000.0

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:12489/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

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 : 22.10.2020

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)	8.3	10
3	Total Dissolved Solid (TDS)	466.9	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	7.3	10
5	Chemical Oxygen Demand (COD)	17.5	50
6	Oil & Grease (O&G)	BDL	10

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

Oil & Grease BDL < 10 (mg/l)

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

TEST REPORT NO. : ECO LAB/D/ELW/12470/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

TEST REPORT OF WATER ANALYSIS

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

Date of Sample Collection : 22.10.2020

Source of Sample : Mine Pit

Sl. No.	Parameters	Result
1	pH	7.4
2	Suspended Solid	76.3
3	Total Dissolved Solid (TDS)	390.4
4	Total Hardness as CaCO ₃	463
5	Oil & Grease (O&G)	BDL
6	Fluoride as F	0.05
7	Calcium as CaCO ₃	268
8	Magnesium as CaCO ₃	175
9	Sodium as Na	12.5
10	Total Alkalinity	20.2
11	Potassium	1.7
12	Chloride as Cl	12.8
13	Total Organic Carbon (TOC)	1.9

Note: All parameters are in mg/l except pH

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:12470/10/20
ISSUE DATE : 31.10.2020

Month: October 2020

TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines

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

Date of Sample Collection

22.10.2020

Source of Sample

Effluent Treatment Plant

Sl. No.	Parameters	Result	PCB Standards
1	pH	6.8	5.5 - 9.0
2	Total Suspended Solid (TSS)	17.5	100
3	Total Dissolved Solid (TDS)	488.9	2100
4	Biochemical Oxygen Demand (3 days at 27 °C)	4.8	30
5	Chemical Oxygen Demand (COD)	30.7	250
6	Oil & Grease (O&G)	BDL	10
7	Chlorides	258.5	1000

Note: All parameters are in mg/l except pH

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. 12470A/10/2020
ISSUE DATE 31/10.2020

Month: October 2020

TEST REPORT OF WATER ANALYSIS

Name of Plant/Mines : Lime Stone Mines, Narsingarh- Diamond Cements
(Prop. HeidelbergCement India Limited), Damoh (M.P.)
Date of Sample Collection : 22.10.2019
Source of Sample : Mine Pit

Sl. No.	Parameters	Result
1	pH	7.21
2	Suspended Solid	61.54
3	Total Dissolved Solid (TDS)	445.2
4	Total Hardness as CaCO ₃	188.1
5	Oil & Grease (O&G)	BDL
6	Fluoride as F	0.6
7	Calcium as CaCO ₃	142.8
8	Magnesium as CaCO ₃	45.1
9	Sodium as Na	42.5
10	Total Alkalinity	56.9
11	Potassium	7.4
12	Chloride as Cl	8.5
13	Total Organic Carbon (TOC)	2.6

Note: All parameters are in mg/l except pH

Oil & Grease BDL < 1.0 (mg/l)

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Data Report

FromTime : 01 Oct 2020 00:00:00 ToTime : 01 Nov 2020 00:00:00 Interval : hour

Time	Hospital				
	AAQMS3-PM-10- µg/m3	AAQMS3-PM-2.5- µg/m3	AAQMS3-CO- mg/m3	AAQMS3-NO2- µg/m3	AAQMS3-SO2- µg/m3
01 Oct 2020 00:00	86.94	37.98	0.42	6.01	29.52
01 Oct 2020 12:00	74.06	30.46	0.36	6.2	30.06
02 Oct 2020 00:00	79.79	38.4	0.41	6.37	29.74
02 Oct 2020 12:00	67.44	31.68	0.35	6.08	30.5
03 Oct 2020 00:00	101.12	40	0.4	6.22	29.94
03 Oct 2020 12:00	86.09	44.1	0.47	5.98	30.66
04 Oct 2020 00:00	34.19	17.99	0.58	6.12	30.28
04 Oct 2020 12:00	20.23	10.53	0.39	6.09	30.91
05 Oct 2020 00:00	23.33	11.98	0.4	5.85	30.52
05 Oct 2020 12:00	23.48	14.16	0.48	6.25	31.06
06 Oct 2020 00:00	40.47	15.83	0.51	6.22	30.44
06 Oct 2020 12:00	21.7	13.96	0.47	5.76	31.43
07 Oct 2020 00:00	35.4	17.51	0.53	6.33	31.03
07 Oct 2020 12:00	20.97	13.39	0.47	5.83	31.8
08 Oct 2020 00:00	18.26	12.68	0.42	5.7	31.6
08 Oct 2020 12:00	17.45	12.82	0.44	5.41	32.15
09 Oct 2020 00:00	16.22	11.74	0.41	5.87	31.9
09 Oct 2020 12:00	18.55	13.41	0.46	6.26	32.49
10 Oct 2020 00:00	17.64	13.42	0.44	6.17	32.53
10 Oct 2020 12:00	19.62	13.84	0.45	5.77	33.14
11 Oct 2020 00:00	18.68	13.89	0.44	6.14	32.96
11 Oct 2020 12:00	16.58	12.54	0.4	5.72	33.94
12 Oct 2020 00:00	21.54	14.08	0.43	6.23	33.31
12 Oct 2020 12:00	17.32	12.87	0.37	6.03	34.06
13 Oct 2020 00:00	19.14	14.53	0.41	5.73	33.86
13 Oct 2020 12:00	11.59	9.12	0.32	5.77	34.71
14 Oct 2020 00:00	15.9	11.81	0.39	5.57	34.59
14 Oct 2020 12:00	7.8	5.14	0.27	5.78	34.83
15 Oct 2020 00:00	12.1	8.73	0.33	5.91	34.54
15 Oct 2020 12:00	8.17	6.2	0.29	5.68	35
16 Oct 2020 00:00	11.7	9.15	0.33	6.02	35.15
16 Oct 2020 12:00	11.56	8.96	0.3	5.89	35.64
17 Oct 2020 00:00	14.49	10.45	0.33	5.95	35.7
17 Oct 2020 12:00	10.21	7.44	0.25	5.98	35.91
18 Oct 2020 00:00	14.79	11.66	0.35	5.68	35.87
18 Oct 2020 12:00	13.92	10.36	0.31	5.73	36.2
19 Oct 2020 00:00	18.4	11.62	0.38	5.77	36.22
19 Oct 2020 12:00	15.6	11.08	0.37	5.39	36.63
20 Oct 2020 00:00	21.96	13.29	0.44	5.89	36.27
20 Oct 2020 12:00	25.96	14.56	0.48	5.87	36.64
21 Oct 2020 00:00	21.09	12.13	0.43	5.63	36.8
21 Oct 2020 12:00	18.48	9.37	0.36	5.74	36.78

22 Oct 2020 00:00	43.33	12.72	0.46	5.72	36.48
22 Oct 2020 12:00	21.69	9.45	0.4	5.73	36.1
23 Oct 2020 00:00	34.39	12.98	0.46	5.65	35.67
23 Oct 2020 12:00	18.32	10.2	0.37	5.63	36.5
24 Oct 2020 00:00	37.95	13.4	0.47	5.56	35.71
24 Oct 2020 12:00	33.55	11.72	0.42	5.92	36.85
25 Oct 2020 00:00	29.49	13.17	0.46	5.44	36.2
25 Oct 2020 12:00	16.5	7.72	0.29	5.86	37.69
26 Oct 2020 00:00	29.4	11.71	0.4	5.62	36.83
26 Oct 2020 12:00	16.06	8.23	0.33	6.05	38.28
27 Oct 2020 00:00	19.04	9.78	0.38	5.88	36.92
27 Oct 2020 12:00	21.05	10.87	0.44	5.85	39.03
28 Oct 2020 00:00	27.23	12.97	0.46	5.73	38.12
28 Oct 2020 12:00	18.27	10.53	0.38	5.79	38.98
29 Oct 2020 00:00	21.24	13.1	0.44	5.09	37.65
29 Oct 2020 12:00	18.34	11.49	0.4	5.78	37.79
30 Oct 2020 00:00	36.02	15.76	0.48	6.03	38.82
30 Oct 2020 12:00	21.55	13.06	0.43	5.75	40.13
31 Oct 2020 00:00	47.4	18.37	0.53	5.81	39.53
31 Oct 2020 12:00	28.61	15.82	0.51	5.58	39.84

Data Report

FromTime : 01 Oct 2020 00:00:00 ToTime : 01 Nov 2020 00:00:00 Interval : hour

worker colony

Time	AAQMS2-PM10- µg/m3	AAQMS2-PM2.5- µg/m3	AAQMS2-SO2- µg/m3	AAQMS2-NO2- µg/m3	AAQMS2-CO- mg/m3
01 Oct 2020 00:00	78.84	49.28	14.4	24.85	0.09
01 Oct 2020 12:00	102.3	48.96	14.4	24.87	0.09
02 Oct 2020 00:00	73.31	44.76	14.44	24.77	0.09
02 Oct 2020 12:00	107.56	41.96	14.45	24.77	0.08
03 Oct 2020 00:00	75.67	44.33	14.5	24.79	0.09
03 Oct 2020 12:00	136.95	64.39	14.52	24.79	0.16
04 Oct 2020 00:00	41.95	23.43	14.38	24.87	0.13
04 Oct 2020 12:00	42.28	16.95	14.34	24.64	0.09
05 Oct 2020 00:00	28.25	15.78	14.44	24.81	0.1
05 Oct 2020 12:00	56.2	24.48	14.41	24.62	0.15
06 Oct 2020 00:00	31.35	19.83	14.45	24.7	0.12
06 Oct 2020 12:00	59.15	23.03	14.47	24.78	0.14
07 Oct 2020 00:00	47.83	25.33	14.54	24.79	0.13
07 Oct 2020 12:00	38.07	19.16	14.83	24.6	0.11
08 Oct 2020 00:00	36.32	17.35	14.79	24.79	0.09
08 Oct 2020 12:00	53.14	19.19	14.87	24.84	0.11
09 Oct 2020 00:00	37.88	16.93	14.92	24.88	0.09
09 Oct 2020 12:00	39.7	18.81	14.94	24.79	0.11
10 Oct 2020 00:00	38.75	18.49	14.97	24.84	0.09
10 Oct 2020 12:00	48.59	21.58	14.96	24.79	0.1
11 Oct 2020 00:00	20.62	18.12	15.02	24.75	0.08
11 Oct 2020 12:00	27.37	17.91	15.01	24.74	0.09
12 Oct 2020 00:00	22.35	18.58	15.07	24.8	0.09
12 Oct 2020 12:00	19.83	18.42	15.12	24.81	0.08
13 Oct 2020 00:00	26.23	21.78	15.19	24.91	0.09
13 Oct 2020 12:00	17.03	14.01	15.26	24.68	0.06
14 Oct 2020 00:00	22.49	18.06	15.43	24.79	0.08
14 Oct 2020 12:00	16.9	8.67	15.41	24.72	0.05
15 Oct 2020 00:00	20.04	13.64	15.49	24.82	0.07
15 Oct 2020 12:00	9.84	8.62	15.48	24.79	0.05
16 Oct 2020 00:00	18.16	13.79	15.62	24.79	0.07
16 Oct 2020 12:00	20.45	14.35	15.63	24.77	0.06
17 Oct 2020 00:00	22.51	17.08	15.69	24.79	0.06
17 Oct 2020 12:00	16.6	12.05	15.71	24.74	0.04
18 Oct 2020 00:00	21.72	17.55	15.8	24.87	0.07
18 Oct 2020 12:00	22.35	16.13	15.77	24.87	0.07
19 Oct 2020 00:00	27.62	18.68	15.82	24.74	0.08
19 Oct 2020 12:00	23.99	16.6	15.84	24.72	0.08
20 Oct 2020 00:00	27.46	21.13	15.82	24.78	0.09
20 Oct 2020 12:00	40.43	21.34	15.71	24.76	0.11
21 Oct 2020 12:00	36.26	15.92	15.47	24.83	0.11

22 Oct 2020 00:00	24.39	16.8	15.48	24.73	0.09
22 Oct 2020 12:00	33.19	14.79	15.52	24.77	0.09
23 Oct 2020 00:00	21.92	16.59	15.42	24.85	0.1
23 Oct 2020 12:00	22	14.6	15.43	24.66	0.1
24 Oct 2020 00:00	20.4	16.67	15.46	24.88	0.11
24 Oct 2020 12:00	18.8	15.8	15.5	24.85	0.11
25 Oct 2020 00:00	19.37	17.29	15.57	24.78	0.11
25 Oct 2020 12:00	34.41	14.15	15.56	24.77	0.08
26 Oct 2020 00:00	17.11	14.49	15.51	24.82	0.1
26 Oct 2020 12:00	19.02	12.18	15.56	24.71	0.08
27 Oct 2020 00:00	24.52	15.58	15.56	24.84	0.09
27 Oct 2020 12:00	25	18.55	15.58	24.77	0.11
28 Oct 2020 00:00	21.39	18.86	15.52	24.88	0.11
28 Oct 2020 12:00	18.26	15.99	15.59	24.76	0.09
29 Oct 2020 00:00	23.92	20.35	15.61	24.85	0.11
29 Oct 2020 12:00	21.29	17.78	15.67	24.68	0.1
30 Oct 2020 00:00	21.96	21.72	15.66	24.82	0.12
31 Oct 2020 12:00	64.4	35.54	15.73	25.01	0.17

Data Report

FromTime : 01 Oct 2020 00:00:00 ToTime : 01 Nov 2020 00:00:00 Interval : hour

Patharia					
Time	AAQMS1-PM10- µg/m3	AAQMS1-PM2.5- µg/m3	AAQMS1-SO2- µg/m3	AAQMS1-NO2- µg/m3	AAQMS1-CO- mg/m3
01 Oct 2020 00:00	108.73	47.52	43.73	10.49	0.05
01 Oct 2020 12:00	141.19	37.83	41.86	10.41	0.04
02 Oct 2020 00:00	143.55	40.17	41.75	10.51	0.05
02 Oct 2020 12:00	143.04	42.9	41.96	10.47	0.04
03 Oct 2020 00:00	105.02	47.16	42.35	10.46	0.05
03 Oct 2020 12:00	136.13	59.12	41.99	10.53	0.05
04 Oct 2020 00:00	125.32	56.93	42.5	10.51	0.05
04 Oct 2020 12:00	103.15	35.49	42.34	10.5	0.04
05 Oct 2020 00:00	142.77	48.68	42.97	10.45	0.05
05 Oct 2020 12:00	167.51	34.21	43.16	10.57	0.05
06 Oct 2020 00:00	82.72	39.81	43.54	10.48	0.05
06 Oct 2020 12:00	78.21	35.26	44.62	10.48	0.06
07 Oct 2020 00:00	106.81	48.57	44.45	10.43	0.05
07 Oct 2020 12:00	111.22	42.4	44.9	10.43	0.05
08 Oct 2020 00:00	83.26	39.21	44.59	10.47	0.05
08 Oct 2020 12:00	107.89	36.98	45.2	10.38	0.05
09 Oct 2020 00:00	118.87	53.19	45.33	10.43	0.05
09 Oct 2020 12:00	48.82	46.85	46.18	10.52	0.06
10 Oct 2020 00:00	125.28	45.53	46.22	10.5	0.05
10 Oct 2020 12:00	106.61	40.4	45.66	10.44	0.05
11 Oct 2020 00:00	54.93	40.4	46.24	10.45	0.05
11 Oct 2020 12:00	37.9	39.04	46.2	10.49	0.06
12 Oct 2020 00:00	58.31	42.28	46.2	10.43	0.06
12 Oct 2020 12:00	38.68	36.82	46.09	10.4	0.05
13 Oct 2020 00:00	31.81	43.5	46.17	10.45	0.05
13 Oct 2020 12:00	28.16	26.77	46.22	10.44	0.04
14 Oct 2020 00:00	22.76	29.1	46.22	10.38	0.05
14 Oct 2020 12:00	25.52	15.53	46.68	10.48	0.04
15 Oct 2020 00:00	16.16	19.17	46.41	10.48	0.04
15 Oct 2020 12:00	14.8	10.89	46.63	10.45	0.04
16 Oct 2020 00:00	15.87	18.39	46.71	10.43	0.04
16 Oct 2020 12:00	20.96	19.08	47.02	10.45	0.04
17 Oct 2020 00:00	17.54	22.07	46.93	10.44	0.04
17 Oct 2020 12:00	18.75	16.44	47.25	10.46	0.03
18 Oct 2020 00:00	19.68	25.24	47.38	10.49	0.04
18 Oct 2020 12:00	19.74	23.41	47.85	10.39	0.04
19 Oct 2020 00:00	35.12	28.9	47.88	10.4	0.05
19 Oct 2020 12:00	36.08	31.41	48.18	10.46	0.04
20 Oct 2020 00:00	69.35	46.79	48.16	10.5	0.06
20 Oct 2020 12:00	113.09	35.92	49.36	10.45	0.05
21 Oct 2020 00:00	74.58	32.56	48.77	10.54	0.05
21 Oct 2020 12:00	55.68	25.13	49.15	10.39	0.05

22 Oct 2020 00:00	87.13	29.8	48.5	10.49	0.05
22 Oct 2020 12:00	47.94	20.68	48.86	10.42	0.05
23 Oct 2020 00:00	90.78	36.43	48.37	10.39	0.06
23 Oct 2020 12:00	40.91	24.34	48.71	10.41	0.05
24 Oct 2020 00:00	76.28	33.4	48.31	10.45	0.06
24 Oct 2020 12:00	56.27	26.84	48.67	10.39	0.05
25 Oct 2020 00:00	97.57	37.32	48.23	10.48	0.06
25 Oct 2020 12:00	59.91	15.31	47.6	10.41	0.04
26 Oct 2020 00:00	62.52	26.78	46.3	10.34	0.05
26 Oct 2020 12:00	29.46	16.94	46.58	10.44	0.05
27 Oct 2020 00:00	55.18	25.4	46.87	10.32	0.05
27 Oct 2020 12:00	46.93	23.31	46.65	10.39	0.05
28 Oct 2020 00:00	82.35	33.27	46.76	10.44	0.06
28 Oct 2020 12:00	47.7	25.62	46.51	10.42	0.05
29 Oct 2020 00:00	57.96	37.99	46.48	10.34	0.06
29 Oct 2020 12:00	47.86	26.12	46.85	10.43	0.05
30 Oct 2020 00:00	80.13	40.66	46.54	10.52	0.07
30 Oct 2020 12:00	56.08	29.62	46.84	10.4	0.06
31 Oct 2020 00:00	82.84	47.61	46.33	10.46	0.08
31 Oct 2020 12:00	99.4	45.1	46.89	10.45	0.07



Real Time Data Acquisition And Monitoring



Created By: glensAdmin
Created At: 2020-11-02 11:48:28

Report Name : Average Report

From: 01-10-2020 - 00:00:00 To: 31-10-2020 - 23:59:00

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	82.64	34.76	1.57	41.55	4.59	2.14
Min	44.45	33.20	1.52	21.00	4.54	2.12
Max	126.34	36.25	1.60	71.48	4.65	2.16
Geom.Mean	82.64	34.76	1.57	41.55	4.59	2.14
Median	22.77	0.88	0.02	11.87	0.03	0.01
Mode	75.1	36.03	1.59	41.85	4.59	2.14
Std.Deviation	78.34	34.79	1.57	40.56	4.59	2.14
Prescribed Standard	100.0	80.0	80.0	60.0	80.0	80.0
First Max occurred at	04-10-2020	31-10-2020	28-10-2020	07-10-2020	08-10-2020	06-10-2020
First Min occurred at	16-10-2020	01-10-2020	03-10-2020	15-10-2020	02-10-2020	16-10-2020
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
01-10-2020	75.1	33.2	1.56	41.85	4.57	2.13
02-10-2020	87.15	33.33	1.54	46.12	4.54	2.13
03-10-2020	110.79	33.57	1.52	59.78	4.55	2.14
04-10-2020	126.34	33.66	1.54	63.89	4.55	2.13
05-10-2020	123.72	33.77	1.59	57.22	4.61	2.14
06-10-2020	106.7	33.82	1.57	64.49	4.63	2.16
07-10-2020	120.63	33.73	1.56	71.48	4.59	2.15
08-10-2020	77.11	33.98	1.59	44.8	4.65	2.16
09-10-2020	80.04	34.12	1.57	41.04	4.58	2.14
10-10-2020	66.41	34.22	1.59	39.7	4.61	2.14
11-10-2020	71.53	34.19	1.59	39.73	4.63	2.15
12-10-2020	66.82	34.36	1.57	40.56	4.56	2.13
13-10-2020	69.84	34.42	1.59	35.45	4.59	2.13

14-10-2020	55.68	34.73	1.59	25.74	4.63	2.15
15-10-2020	48.03	34.59	1.59	21	4.61	2.14
16-10-2020	44.45	34.86	1.57	25.39	4.56	2.12
17-10-2020	46.28	34.79	1.55	25.46	4.57	2.14
18-10-2020	59.33	35.03	1.55	33.92	4.58	2.14
19-10-2020	91.85	35.16	1.58	43.93	4.59	2.13
20-10-2020	88.65	35.25	1.55	45.17	4.59	2.14
21-10-2020	87.11	35.2	1.54	38.11	4.57	2.14
22-10-2020	80.8	35.19	1.57	35.64	4.59	2.12
23-10-2020	71.13	35.37	1.52	34.86	4.56	2.14
24-10-2020	93.36	35.58	1.55	41.26	4.58	2.14
25-10-2020	64.5	35.63	1.53	31.69	4.56	2.14
26-10-2020	73.38	35.77	1.58	30.39	4.6	2.14
27-10-2020	78.34	35.9	1.56	35.12	4.59	2.14
28-10-2020	114.92	35.98	1.6	42.98	4.63	2.15
29-10-2020	67.9	36.03	1.56	34.88	4.58	2.14
30-10-2020	118.08	36.03	1.56	44.22	4.59	2.15
31-10-2020	95.63	36.25	1.59	52.31	4.62	2.15

Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_1 CO (mg/m3)Normalized
Avg	0.38
Min	0.28
Max	0.55
Geom.Mean	0.38
Median	0.06
Mode	0.37
Std.Deviation	0.37
Prescribed Standard	4.0
First Max occurred at	07-10-2020
First Min occurred at	17-10-2020
Valid Data Points	31
Total Data Points	31
Data Availability %	100
Uncertainty	0
01-10-2020	0.37
02-10-2020	0.36
03-10-2020	0.44
04-10-2020	0.44
05-10-2020	0.42
06-10-2020	0.48
07-10-2020	0.55
08-10-2020	0.4
09-10-2020	0.39
10-10-2020	0.36
11-10-2020	0.37
12-10-2020	0.36
13-10-2020	0.33
14-10-2020	0.31
15-10-2020	0.29

16-10-2020	0.29
17-10-2020	0.28
18-10-2020	0.31
19-10-2020	0.36
20-10-2020	0.41
21-10-2020	0.35
22-10-2020	0.37
23-10-2020	0.39
24-10-2020	0.42
25-10-2020	0.34
26-10-2020	0.33
27-10-2020	0.34
28-10-2020	0.41
29-10-2020	0.37
30-10-2020	0.39
31-10-2020	0.42

Report Name : Average Report
From: 01-10-2020 - 00:00:00 To: 31-10-2020 - 23:59:00

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	4.45	2.24	0.16	18.62	1.22	23.3
Min	4.41	2.22	0.12	18.61	1.19	13.56
Max	4.48	2.25	0.23	18.67	1.25	45.56
Geom.Mean	4.45	2.24	0.16	18.62	1.22	23.3
Median	0.02	0.01	0.02	0.01	0.02	8.55
Mode	4.46	2.24	0.16	18.61	1.22	26.56
Std.Deviation	4.44	2.24	0.15	18.61	1.22	20.51
Prescribed Standard	80.0	80.0	4.0	80.0	80.0	60.0
First Max occurred at	05-10-2020	05-10-2020	07-10-2020	31-10-2020	05-10-2020	06-10-2020
First Min occurred at	21-10-2020	20-10-2020	15-10-2020	01-10-2020	18-10-2020	15-10-2020
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
01-10-2020	4.44	2.23	0.16	18.61	1.23	26.56
02-10-2020	4.44	2.23	0.16	18.61	1.23	28.64
03-10-2020	4.46	2.23	0.18	18.61	1.24	36.38
04-10-2020	4.47	2.24	0.2	18.61	1.24	35.68
05-10-2020	4.48	2.25	0.18	18.61	1.25	32.33
06-10-2020	4.45	2.23	0.2	18.61	1.23	45.56
07-10-2020	4.46	2.24	0.23	18.61	1.23	42.32
08-10-2020	4.47	2.24	0.16	18.61	1.24	29.19
09-10-2020	4.46	2.23	0.16	18.61	1.23	23.83
10-10-2020	4.46	2.25	0.16	18.61	1.21	23.72
11-10-2020	4.43	2.23	0.15	18.61	1.21	23.77
12-10-2020	4.44	2.24	0.15	18.61	1.2	23.9
13-10-2020	4.44	2.24	0.14	18.61	1.22	17.8

14-10-2020	4.43	2.23	0.14	18.61	1.21	14.83
15-10-2020	4.43	2.24	0.12	18.61	1.2	13.56
16-10-2020	4.43	2.24	0.13	18.61	1.2	17.64
17-10-2020	4.41	2.24	0.12	18.61	1.2	14.78
18-10-2020	4.43	2.24	0.14	18.61	1.19	15.77
19-10-2020	4.42	2.23	0.14	18.61	1.2	15.68
20-10-2020	4.43	2.22	0.17	18.61	1.21	20.51
21-10-2020	4.41	2.23	0.15	18.61	1.19	17.23
22-10-2020	4.44	2.24	0.15	18.61	1.22	16.83
23-10-2020	4.43	2.24	0.15	18.61	1.2	15.63
24-10-2020	4.46	2.24	0.17	18.61	1.22	18.87
25-10-2020	4.44	2.24	0.14	18.62	1.21	14.27
26-10-2020	4.46	2.24	0.14	18.66	1.22	14.56
27-10-2020	4.44	2.23	0.14	18.64	1.22	17.04
28-10-2020	4.46	2.24	0.16	18.64	1.23	19.48
29-10-2020	4.46	2.24	0.15	18.61	1.22	23.32
30-10-2020	4.47	2.25	0.16	18.62	1.22	29.3
31-10-2020	4.46	2.25	0.18	18.67	1.21	33.22

Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_2 PM10 (ug/m3)Normalized
Avg	118.35
Min	54.35
Max	287.06
Geom.Mean	118.35
Median	49.83
Mode	125.22
Std.Deviation	106.16
Prescribed Standard	100.0
First Max occurred at	30-10-2020
First Min occurred at	05-10-2020
Valid Data Points	30
Total Data Points	31
Data Availability %	96
Uncertainty	0
01-10-2020	125.22
02-10-2020	62.51
03-10-2020	91.34
04-10-2020	99.56
05-10-2020	54.35
06-10-2020	77.34
07-10-2020	94.96
08-10-2020	127.08
09-10-2020	180.1
10-10-2020	100.93
11-10-2020	88.28
12-10-2020	91.32
13-10-2020	112.37
14-10-2020	106.15
15-10-2020	71.78

16-10-2020	78.61
17-10-2020	62.69
18-10-2020	110.19
19-10-2020	136.52
20-10-2020	106.16
21-10-2020	105.32
22-10-2020	113.64
23-10-2020	91.93
24-10-2020	155.85
25-10-2020	130.15
26-10-2020	128.25
27-10-2020	160.81
28-10-2020	153.38
29-10-2020	246.75
30-10-2020	287.06
31-10-2020	0

DIAMOND CEMENTS - DAMOH
PERFORMANCE OF ESPs/BAG HOUSES

Sep-20

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	607	0	607	0	0.000	0	0	100.00		
ESP To KILN NO. 2 + RAW MILL NO. 2	714	45	714	45	0.000	0	0	100.00		
REVERSE AIR BAG HOUSE(RABH) To KILN NO. 3 + RAW MILL NO. 3	701	39	701	39	0.000	0	0	100.00		
BAG HOUSE To COAL MILL NO. 1	476	20	476	20	0.000	0	0	100.00		
BAG HOUSE To COAL MILL NO. 2	640	20	640	20	0.000	0	0	100.00		
BAG HOUSE To COAL MILL NO. 3	648	15	648	15	0.000	0	0	100.00		
ESP To COOLER NO. 1	607	0	606	59	0.017	1	1	99.997		
ESP To COOLER NO. 2	714	45	714	43	0.033	1	1	99.995		
ESP To COOLER NO. 3	701	39	701	39	0.000	0	0	100.00		
BAG HOUSE To CEMENT MILL NO. 1	699	20	699	20	0.000	0	0	100.00		
BAG HOUSE To CEMENT MILL NO. 2	573	30	573	30	0.000	0	0	100.00		
BAG HOUSE To CEMENT MILL NO. 3	127	50	127	50	0.000	0	0	100.00		

DIAMOND CEMENTS DAMOH

Energy Meter Reading

Month : October - 20

S.No.	Location	Month	Consumption (KWH)	Remarks, If Any
Clinkerisation Unit Narsingarh				
1	Hybrid ESP For KILN/ RAW MILL NO.1	Oct-20	7105	
2	Hybrid ESP For KILN/ RAW MILL NO.2	Oct-20	242818	
3	RABH For KILN / RAW MILL NO. 3	Oct-20	4206703	
4	ESP For COOLER NO. 1	Oct-20	2362444	
5	ESP For COOLER NO. 2	Oct-20	2131364	
6	ESP For COOLER NO. 3	Oct-20	317000	
7	BAG HOUSE For COAL MILL NO. 1	Oct-20	1369861	
8	BAG HOUSE For COAL MILL NO. 2	Oct-20	4485578	
9	BAG HOUSE For COAL MILL NO. 3	Oct-20	2564884	
10	SEWAGE TREATMENT PLANT	Oct-20	8992	
1	BAG HOUSE For CEMENT MILL NO. 1	Oct-20	10622	
2	BAG HOUSE For CEMENT MILL NO. 2	Oct-20	14515	
3	BAG HOUSE For CEMENT MILL NO. 3	Oct-20	13989	
4	SEWAGE TREATMENT PLANT	Oct-20	15310	

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.

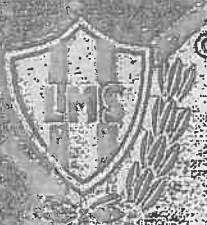
Examples:

- 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



CERTIFICATE

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

ECOMEN LABORATORIES PVT. LTD.

FLAT NO. 5-8, 2ND FLOOR, A RIF 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**

LAS UID No: **MSCB-13276321**

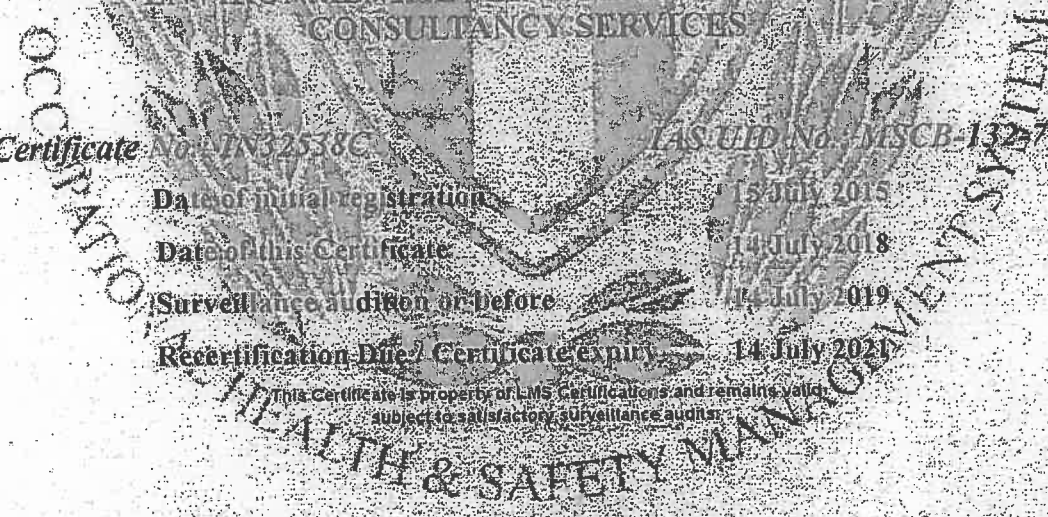
Date of initial registration: **15 July 2015**

Date of this Certificate: **14 July 2018**

Surveillance audit on before: **14 July 2019**

Recertification Date/ Certificate expiry: **14 July 2021**

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



J. H.
Director

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



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