

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

**May 05, 2021****Sub.: Monthly Environmental Monitoring Reports for Apr 2021**

Sir,

Please find enclosed herewith the Environmental Monitoring Report of the following for the month of **Apr- 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, Work Environment, 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, Work Environment, 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, Work Environment, 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 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**

Registered Office:  
 2<sup>nd</sup> 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*

**April, 2021**

**Prepared by:**



Certificate No.: T-2202

**ecoMen**

**Ecomen Laboratories Pvt. Ltd.**

(An approved Laboratory from NABL & MoEF&CC )

Flat No 5-8, 2<sup>nd</sup> Floor Arif Chamber-V, Sector-H

Aliganj, Lucknow 226024 (U.P)

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# ECOMEN LABORATORIES PVT. LTD.

Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024

Phone No. : (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1Z1

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LABORATORIES PVT LTD.

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/05-08/04/21  
ISSUE DATE : 30.04.2021

Month: April-2021

## TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

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

AAQMS	Date/ Time*	PM <sub>2.5</sub> (µg/m <sup>3</sup> )		Time	CO (µg/m <sup>3</sup> )			SO <sub>2</sub> (µg/m <sup>3</sup> )		NO <sub>2</sub> (µg/m <sup>3</sup> )	
		03.04.2021	05.04.2021		03.04.2021	03.04.2021	03.04.2021	03.04.2021	03.04.2021	03.04.2021	
Near Hospital	06.00 am	30.57	43.66	06:00 am to 10:00 am	350	9.76	16.28	10.81	13.88	10.37	13.81
				10:00 am to 02:00 pm							
				02:00 pm to 06:00 pm	370	9.81	14.12	7.29	13.51		
				06:00 pm to 10:00 pm							
				10:00 pm to 02:00 am	360	10.40	13.81				
				02:00 am to 06:00 am							
				Average Value	360	9.71	14.04				
Near Gate of Mine Pit No.1	06.00 am	34.40	51.77	06:20 am to 10:20 am	390	9.00	13.81	10.01	12.88	9.04	12.72
				10:20 am to 02:20 pm							
				02:20 pm to 06:20 pm	400	9.69	13.25	9.09	13.45		
				06:20 pm to 10:20 pm							
				10:20 pm to 02:20 am	350	9.89	13.01				
				02:20 am to 06:20 am							
				Average Value	380	9.42	13.19				
Near STP Area	06.00 am	33.75	49.26	06:40 am to 10:40 am	380	9.64	12.25	10.32	11.41	10.37	13.11
				10:40 am to 02:40 pm							
				02:40 pm to 06:40 pm	360	10.30	13.14	7.34	13.14		
				06:40 pm to 10:40 pm							
				10:40 pm to 02:40 am	340	10.40	13.81				
				02:40 am to 06:40 am							
				Average Value	360	9.73	12.78				
Near Worker Colony	06.00 am	32.69	46.88	07:00 am to 11:00 am	360	9.54	12.75	10.82	11.89	9.09	12.78
				11:00 am to 03:00 pm							
				03:00 pm to 07:00 pm	370	10.32	14.47	9.19	13.51		
				07:00 pm to 11:00 pm							
				11:00 pm to 03:00 am	380	8.44	13.64				
				03:00 am to 07:00 am							
				Average Value	370	9.57	13.12				

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

\* Time mentioned above is the initial Time of Sampling.

SO<sub>2</sub> BDL < 4.0 (µg/m<sup>3</sup>) and NO<sub>2</sub> BDL < 6.1 (µg/m<sup>3</sup>)

*Archan*  
Checked by

*[Signature]*  
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/01  
REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/A-09-12 & M-09-12/04/21  
ISSUE DATE : 30.04.2021

Month: April-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 <sub>2.5</sub> (µg/m <sup>3</sup> )		Time	CO (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
		14.04.2021	15.04.2021		15.04.2021	15.04.2021	15.04.2021
Near Admin Bld.	06.00 am	28.56	41.26	06:00 am to 10:00 am	380	10.43	12.47
				10:00 am to 02:00 pm		10.15	13.62
				02:00 pm to 06:00 pm		9.80	12.69
				06:00 pm to 10:00 pm	390	7.44	12.75
				10:00 pm to 02:00 am		10.40	12.67
				02:00 am to 06:00 am		9.18	13.38
				Average Value	380	9.53	12.96
Near Water Storage Tank (Behind D.G. Set)	06.00 am	36.33	53.28	06:20 am to 10:20 am	400	10.74	14.20
				10:20 am to 02:20 pm		8.98	13.31
				02:20 pm to 06:20 pm		10.32	13.74
				06:20 pm to 10:20 pm	390	8.48	14.92
				10:20 pm to 02:20 am		8.42	13.01
				02:20 am to 06:20 am		9.18	13.38
				Average Value	400	9.35	13.78
Near Railway Siding	06.00 am	38.30	50.21	06:40 am to 10:40 am	380	10.35	14.01
				10:40 am to 02:40 pm		9.02	12.92
				02:40 pm to 06:40 pm		9.67	14.14
				06:40 pm to 10:40 pm	390	9.64	13.11
				10:40 pm to 02:40 am		9.88	14.59
				02:40 am to 06:40 am		10.27	12.05
				Average Value	383	9.77	13.47
Near Worker Colony	06.00 am	29.67	48.43	07:00 am to 11:00 am	400	10.32	14.44
				11:00 am to 03:00 pm		10.43	13.18
				03:00 pm to 07:00 pm		8.50	12.81
				07:00 pm to 11:00 pm	390	9.06	14.84
				11:00 pm to 03:00 am		8.57	13.51
				03:20 am to 07:00 am		10.17	13.31
				Average Value	397	9.51	13.85

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

\* Time mentioned above is the initial Time of Sampling.

SO<sub>2</sub> BDL <4.0 (µg/m<sup>3</sup>) and NO<sub>2</sub> BDL <6.1 (µg/m<sup>3</sup>)

*Archan*  
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*[Signature]*  
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TEST REPORT NO. : ECO LAB/D/A:01-04 & M:01-04/04/21  
ISSUE DATE : 30.04.2021

Month: April-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 <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Time	CO ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
		01.04.2021	02.04.2021		02.04.2021	02.04.2021	02.04.2021
Near Main Office	06.00 am	27.63	52.66	06:00 am to 10:00 am	370	8.50	12.81
				10:00 am to 02:00 pm		9.18	13.14
				02:00 pm to 06:00 pm		10.20	14.19
				06:00 pm to 10:00 pm	360	10.88	13.68
				10:00 pm to 02:00 am		9.09	13.94
				02:00 am to 06:00 am		7.23	13.64
				Average Value	373	9.18	13.57
Near Back Filling Area	06.00 am	31.43	57.62	06:20 am to 10:20 am	370	10.98	13.58
				10:20 am to 02:20 pm		10.35	13.89
				02:20 pm to 06:20 pm	400	9.67	14.79
				06:20 pm to 10:20 pm		9.64	13.58
				10:20 pm to 02:20 am	370	10.83	14.21
				02:20 am to 06:20 am		10.85	14.34
				Average Value	360	10.40	14.06
Near Mine Pit	06.00 am	35.86	53.58	08:40 am to 10:40 am	390	9.06	14.99
				10:40 am to 02:40 pm		9.11	13.98
				02:40 pm to 06:40 pm	380	10.93	13.74
				06:40 pm to 10:40 pm		9.15	13.11
				10:40 pm to 02:40 am	360	10.18	13.45
				02:40 am to 06:40 am		10.90	13.71
				Average Value	377	9.89	13.83
Near Temple	06.00 am	34.47	42.49	07:00 am to 11:00 am	350	9.06	13.68
				11:00 am to 03:00 pm		9.79	13.38
				03:00 pm to 07:00 pm	390	11.51	14.71
				07:00 pm to 11:00 pm		9.11	14.21
				11:00 pm to 03:00 am	390	7.29	12.81
				03:20 am to 07:00 am		11.04	12.23
				Average Value	377	9.83	13.50

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.

SO<sub>2</sub> BDL < 4.0 ( $\mu\text{g}/\text{m}^3$ ) and NO<sub>2</sub> BDL < 6.1 ( $\mu\text{g}/\text{m}^3$ )

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TEST REPORT NO. : ECO LAB/D/A/13-16 & M/13-16/0421  
ISSUE DATE : 30.04.2021

Month: April-2021

## TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of Plant/Mines :

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

AAQMS	Date/Time*	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Time	CO ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
		16.04.2021	17.04.2021		17.04.2021	17.04.2021	17.04.2021
Near Main Office	06.00 am	25.80	45.49	06:00 am to 10:00 am	390	11.04	13.65
				10:00 am to 02:00 pm		9.18	15.32
				02:00 pm to 06:00 pm		8.95	12.59
				06:00 pm to 10:00 pm	370	11.27	13.81
				10:00 pm to 02:00 am		9.20	13.18
				02:00 am to 06:00 am		9.78	14.05
				Average Value	383	9.90	13.77
Near Back Filling Area	06.00 am	37.48	55.66	06:20 am to 10:20 am	380	10.93	14.21
				10:20 am to 02:20 pm		9.54	13.45
				02:20 pm to 06:20 pm	370	9.09	13.71
				06:20 pm to 10:20 pm		9.20	13.84
				10:20 pm to 02:20 am		390	10.27
				02:20 am to 06:20 am	10.32		13.88
				Average Value	380	9.89	13.72
Near Mine Pit	06.00 am	25.71	56.33	06:40 am to 10:40 am	390	11.22	13.81
				10:40 am to 02:40 pm		8.59	13.65
				02:40 pm to 06:40 pm		370	11.97
				06:40 pm to 10:40 pm	10.43		13.85
				10:40 pm to 02:40 am	380	10.30	13.25
				02:40 am to 06:40 am		10.13	12.69
				Average Value	380	10.44	13.47
Near Temple	06.00 am	24.63	44.43	07:00 am to 11:00 am	390	7.23	13.64
				11:00 am to 03:00 pm		10.30	13.01
				03:00 pm to 07:00 pm	400	9.06	13.21
				07:00 pm to 11:00 pm		11.39	13.61
				11:00 pm to 03:00 am		400	9.00
				03:00 am to 07:00 am	9.57		14.00
				Average Value	397	9.43	13.51

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

\* Time mentioned above is the initial Time of Sampling.

SO<sub>2</sub> BDL < 4.0 ( $\mu\text{g}/\text{m}^3$ ) and NO<sub>2</sub> BDL < 6.1 ( $\mu\text{g}/\text{m}^3$ )

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Page No. 4

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

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REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/N:01/04/21  
ISSUE DATE: 30.04.2021

Month : April-2021

## TEST REPORT OF AMBIENT NOISE MONITORING

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

Date of Monitoring : 05.04.2021

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Hospital	52.4	42.4
2.	Near Gale of Mine Pit No.1	61.3	58.7
3.	Near STP Area	63.2	57.1
4.	Near Worker Colony	48.5	43.8

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*Shree*  
Authorized Signatory

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Sector-H, Aliganj, Lucknow-226024

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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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REV. NO. : 00

TEST REPORT NO. : ECO LAB/D/N:02/04/21  
ISSUE DATE: 30.04.2021

Month: : April-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 : 15.04.2021

Sl. No.	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near ADM Bld.	55.2	48.6
2.	Near Worker Colony	49.7	43.7
3.	Near Railway Siding	64.2	61.3
4.	Near Water Storage Tank (Behind D.G.Set)	63.7	57.5

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*J. S. Chandra*  
Authorized Signatory

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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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TEST REPORT NO. : ECO LAB/D/N/03/04/21  
ISSUE DATE: 30.04.2021

Month: : April-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 : 17.04.2021

Sl. No	Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Main Office	56.9	51.6
2.	Near Back Filling Area	51.7	48.6
3.	Near Mine Pit	61.5	59.0
4.	Near Temple	54.6	48.7

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*Ravi Bhargava*  
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Sector-H, Aliganj, Lucknow-226024  
Phone: 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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FORMAT NO. : ECO/QS/D/FORMAT/03  
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TEST REPORT NO. : ECO LAB/D/S:08,11&,07/04/21  
ISSUE DATE : 30.04.2021

Month: April 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	17.04.2021	19.04.2021	15.04.2021
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 <sup>2</sup> )	1.65	1.65	3.53
Ambient Temp (°C)	34	32	33
Stack Gas Temp (°C)	54	61	73
Exit Velocity of Gas (m/sec.)	6.87	8.64	11.93
Flow Rate (Nm <sup>3</sup> / sec.)	9.85	12.09	33.09
(Test Conducted)			
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) (Isokinetic Samples)	13.8	17.5	19.2

Stack Emission Standard = 30 mg/NM<sup>3</sup>

\* 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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Month: April 2021

## TEST REPORT OF STACK MONITORING

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

Location	S-4	S-5	S-6	
Date of Monitoring	01.04.2021	02.04.2021	14.04.2021	
<b>Stack Details</b>				
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	2.85	4.5	
Cross sectional area of Duct/Stack (m <sup>2</sup> )	4.52	5.51	15.90	
Ambient Temp (°C)	32	32	34	
Stack Gas Temp (°C)	143	131	95	
Exit Velocity of Gas (m/sec.)	20.59	20.17	15.15	
Flow Rate (Nm <sup>3</sup> / sec.)	60.22	78.24	190.51	
<b>Test Conducted</b>				
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) (Isokinetic Samples)	18.3	12.8	21.9	
Oxygen (O <sub>2</sub> ) (%)	12.8	8.5	8.7	
Sulphur Dioxide (SO <sub>2</sub> )	(mg/Nm <sup>3</sup> )	15.6	15.2	11.9
	at 10 % O <sub>2</sub> Correction (mg/Nm <sup>3</sup> )	19.5	13.4	10.6
Nitrogen Dioxides (NO <sub>x</sub> )	(mg/Nm <sup>3</sup> )	578.5	526.1	450.2
	at 10 % O <sub>2</sub> Correction (mg/Nm <sup>3</sup> )	720.6	431.9	402.6
<b>Standard</b>				
PM	-	30 mg/Nm <sup>3</sup>		
SO <sub>2</sub>	-	100 mg/Nm <sup>3</sup> at 10 % O <sub>2</sub>		
NO <sub>x</sub>	-	800 mg/Nm <sup>3</sup> at 10 % O <sub>2</sub>		

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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ISSUE DATE: : 30.04.2021

Month: April 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	27.04.2021	17.04.2021	07.04.2021	20.04.2021
<b>Stack Details</b>				
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 <sup>2</sup> )	6.95	11.05	11.05	0.282
Ambient Temp (°C)	30	34	35	33
Stack Gas Temp (°C)	126	134	130	38
Exit Velocity of Gas (m/sec.)	7.77	7.14	12.42	6.52
Flow Rate (Nm <sup>3</sup> / sec.)	38.28	54.76	96.57	2.98
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) (Isokinetic Samples)	20.8	15.0	16.4	24.0

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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Month: April 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	17.04.2021	08.04.2021	08.04.2021
<b>Stack Details</b>			
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 <sup>2</sup> )	1.65	1.77	0.985
Ambient Temp (°C)	32	37	37
Stack Gas Temp (°C)	80	77	105
Exit Velocity of Gas (m/sec.)	6.64	9.01	14.01
Flow Rate (Nm <sup>3</sup> / sec.)	8.27	12.42	10.34
<b>(Test Conducted)</b>			
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) (Isokinetic Samples)	11.5	10.6	14.5

Stack Emission Standard = 30 mg/NM<sup>3</sup>

\* 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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TEST REPORT NO. : ECO LAB/D/S:15/04/21  
ISSUE DATE: : 30.04.2021

Month: April 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	17.04.2021	
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 <sup>2</sup> )	0.22	
Ambient Temp (°C)	31	
Stack Gas Temp (°C)	37	
Exit Velocity of Gas (m/sec.)	23.49	
Flow Rate (Nm <sup>3</sup> / sec.)	4.78	
(Test Conducted)		
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) Samples)	(Isokinetic	23.0

Stack Emission Standard = 30 mg/NM<sup>3</sup>

Note:

S-4 : Packer No-3

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TEST REPORT NO. : ECO LAB/D/S:13/04/21  
ISSUE DATE : 30.04.2021

Month: April 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	26.04.2021
<b>Stack Details</b>	
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 <sup>2</sup> )	1.77
Ambient Temp (°C)	34
Stack Gas Temp (°C)	38
Exit Velocity of Gas (m/sec.)	15.65
Flow Rate (Nm <sup>3</sup> / sec.)	25.31
<b>(Test Conducted)</b>	
Particulate Matter(PM) (mg/Nm <sup>3</sup> ) (Isokinetic Samples)	22.2

Stack Emission Standard = 30 mg/NM<sup>3</sup>

**Note:**

S-1 : Crusher

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TEST REPORT NO. : ECO LAB/D/WE:01-05/04/21  
ISSUE DATE : 30/04/2021

Month: April-2021

## 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 <sup>3</sup> )
1	Kiln Area	08.04.2021	08:00 am to 02:00 pm	1.80
			02:00 pm to 10:00 pm	1.90
			10:00 pm to 06:00 am	2.00
2	Near Crusher Area	08.04.2021	08:00 am to 02:00 pm	2.19
			02:00 pm to 10:00 pm	1.89
			10:00 pm to 06:00 am	2.30
3	Raw Mill Area	09.04.2021	08:00 am to 02:00 pm	2.20
			02:00 pm to 10:00 pm	1.89
			10:00 pm to 06:00 am	2.09
4	Commissioning Office Project	09.04.2021	08:00 am to 02:00 pm	2.09
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	1.90
5	Environmental Lab.	10.04.2021	08:00 am to 02:00 pm	1.79
			02:00 pm to 10:00 pm	1.69
			10:00 pm to 06:00 am	1.60

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Month: April-2021

## 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 <sup>3</sup> )
1	Near Weigh Bridge Area	19.04.2021	06:00 am to 02:00 pm	2.26
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	1.90
2	Near Packing Plant	19.04.2021	06:00 am to 02:00 pm	2.30
			02:00 pm to 10:00 pm	2.20
			10:00 pm to 06:00 am	2.40
3	Mill Control Room	20.04.2021	06:00 am to 02:00 pm	2.50
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	2.60
4	STP Area	20.04.2021	06:00 am to 02:00 pm	2.20
			02:00 pm to 10:00 pm	2.60
			10:00 pm to 06:00 am	2.50
5	QC Office	21.04.2021	06:00 am to 02:00 pm	2.10
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	1.90

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TEST REPORT NO. : ECO LAB/DWE:11-15/04/21  
ISSUE DATE : :30/04/2021

Month: April-2021

## TEST REPORT OF WORK ENVIRONMENT MONITORING

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

Sl. No.	Locations	Date	Time	Total Dust (mg/m <sup>3</sup> )
1	Drill Operator	27.04.2021	06:00 am to 02:00 pm	1.40
			02:00 pm to 10:00 pm	1.30
			10:00 pm to 06:00 am	1.80
2	Crusher Office	27.04.2021	06:00 am to 02:00 pm	1.70
			02:00 pm to 10:00 pm	1.60
			10:00 pm to 06:00 am	1.80
3	Dumper Operator	28.04.2021	06:00 am to 02:00 pm	1.90
			02:00 pm to 10:00 pm	1.90
			10:00 pm to 06:00 am	2.20
4	Excavator Operator	28.04.2021	06:00 am to 02:00 pm	2.10
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	1.90
5	Weigh Bridge Operator	29.04.2021	06:00 am to 02:00 pm	1.80
			02:00 pm to 10:00 pm	1.80
			10:00 pm to 06:00 am	1.70

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TEST REPORT NO. : ECO LAB/D/ELW:14552-14553/04/21  
ISSUE DATE : 30.04.2021

Month: April 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 : 21.04.2021  
Source of Sample : Sewage Treatment Plant (STP)

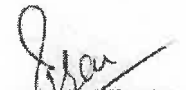
Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.77	7.88	5.5 - 9.0
2	Total Suspended Solid (TSS)	376.5	7.4	10.0
3	Total Dissolved Solid (TDS)	817.5	367.4	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	170.5	5.9	10.0
5	Chemical Oxygen Demand (COD)	67.4	23.5	50.0
6	Oil & Grease (O&G)	1.4	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.8	0.74	-
8	Fecal Coliform (FC) MPN/100ml	-	73	1000

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

Oil & Grease BDL < 1.0 (mg/l)

  
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LABORATORIES PVT LTD.

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:14554-144555/04/21  
ISSUE DATE : 30.04.2021

Month: April 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 : 21.04.2021

Source of Sample : Sewage Treatment Plant (STP)

Sl. No.	Parameters	Result		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.77	7.58	5.5 - 9.0
2	Total Suspended Solid (TSS)	383.7	7.2	10.0
3	Total Dissolved Solid (TDS)	374.5	257.4	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	202.5	7.5	10.0
5	Chemical Oxygen Demand (COD)	398.0	21.6	50.0
6	Oil & Grease (O&G)	1.7	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.8	1.2	-
8	Fecal Coliform (FC) MPN/100ml	-	81	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:14556/04/21  
ISSUE DATE : 30.04.2021

Month: April 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 : 21.04.2021

Source of Sample : Septic tank

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.2	5.5 - 9.0
2	Total Suspended Solid (TSS)	7.3	10.0
3	Total Dissolved Solid (TDS)	449.5	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	6.8	10.0
5	Chemical Oxygen Demand (COD)	21.6	50.0
6	Oil & Grease (O&G)	BDL	10.0
7	Chloride(Cl)	43	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:14557/04/21  
ISSUE DATE : 30.04.2021

Month: April 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 : 21.04.2021

Source of Sample : Oil & Grease Trap

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.6	5.5 - 9.0
2	Total Suspended Solid (TSS)	7.5	10
3	Total Dissolved Solid (TDS)	378.6	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	7.7	10
5	Chemical Oxygen Demand (COD)	21.9	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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*Arif*

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

TEST REPORT NO. : ECO LAB/D/ELW:14558/04/21  
ISSUE DATE : 30.04.2021

Month: April 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 : 21.04.2021

Source of Sample : Mine Pit

Sl. No.	Parameters	Result
1	pH	7.6
2	Suspended Solid	82.6
3	Total Dissolved Solid (TDS)	375.5
4	Total Hardness as CaCO <sub>3</sub>	446
5	Oil & Grease (O&G)	BDL
6	Fluoride as F	0.07
7	Calcium as CaCO <sub>3</sub>	277.5
8	Magnesium as CaCO <sub>3</sub>	168
9	Sodium as Na	16.5
10	Total Alkalinity	28.7
11	Potassium	1.6
12	Chloride as Cl	14.6
13	Total Organic Carbon (TOC)	1.3

Note: All parameters are in mg/l except pH

Oil & Grease BDL < 1.0 (mg/l)  
Checked by *Archan*

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

TEST REPORT NO. : ECO LAB/D/ELW:14559/04/21  
ISSUE DATE : 30.04.2021

Month: April 2021

## TEST REPORT OF WASTE WATER ANALYSIS

Name of Plant/Mines

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

Date of Sample Collection : 21.04.2021

Source of Sample : Effluent Treatment Plant

Sl. No.	Parameters	Result	PCB Standards
1	pH	7.7	5.5 - 9.0
2	Total Suspended Solid (TSS)	16.7	100
3	Total Dissolved Solid (TDS)	447.2	2100
4	Biochemical Oxygen Demand (3 days at 27 °C)	2.3	30
5	Chemical Oxygen Demand (COD)	39.2	250
6	Oil & Grease (O&G)	BDL	10
7	Chlorides	280.7	1000

Note: All parameters are in mg/l except pH

Oil & Grease BDL < 1.0 (mg/l)

*Archana*  
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### Data Report

FromTime : 01 Apr 2021 00:00:00 ToTime : 01 May 2021 00:00:00 Interval : hour

Time	Near 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 Apr 2021 00:00	35.93	16.26	0.33	5.2	13.94
01 Apr 2021 12:00	14.51	5.91	0.25	5.25	14.85
02 Apr 2021 00:00	26.28	15.28	0.45	5.56	13.1
02 Apr 2021 12:00	18.26	9.24	0.31	5.43	12.34
03 Apr 2021 00:00	21.2	14.14	0.4	5.5	10.77
03 Apr 2021 12:00	16.75	11.17	0.31	5.26	11.95
04 Apr 2021 00:00	19.86	13.24	0.41	5.53	11.42
04 Apr 2021 12:00	13.89	9.25	0.46	5.21	11.75
05 Apr 2021 00:00	42.26	28.16	0.8	5.54	11.52
05 Apr 2021 12:00	18.81	10.66	0.39	5.16	16.27
06 Apr 2021 00:00	35.3	21.45	0.73	5.18	15.21
06 Apr 2021 12:00	39.29	12.6	0.39	5.23	16.71
07 Apr 2021 00:00	37.44	15.18	0.45	5.21	16.26
07 Apr 2021 12:00	37.4	9.42	0.33	5.46	17.14
08 Apr 2021 00:00	54.25	14.57	0.42	5.1	16.82
08 Apr 2021 12:00	43.39	12.06	0.35	5.04	16.68
09 Apr 2021 00:00	45.49	14.19	0.45	5.15	16.2
09 Apr 2021 12:00	42.43	10.72	0.31	5.31	16.14
10 Apr 2021 00:00	28.74	12.48	0.47	5.18	17.12
10 Apr 2021 12:00	22.23	8.73	0.32	5.5	16.82
11 Apr 2021 00:00	12	7.02	0.35	5.33	17.38
11 Apr 2021 12:00	15.17	5.16	0.25	5.09	18
12 Apr 2021 00:00	6.24	3.33	0.24	5.21	16.53
12 Apr 2021 12:00	11.1	4.12	0.3	5.35	17.03
13 Apr 2021 00:00	27.39	8.01	0.49	5.19	17.99
13 Apr 2021 12:00	31.43	5.87	0.48	5.27	19.8
14 Apr 2021 00:00	34.84	8.88	0.71	5.25	19.52
14 Apr 2021 12:00	32.69	6.01	0.38	5.05	20.7
15 Apr 2021 00:00	21.46	4.7	0.36	5.23	20.32
15 Apr 2021 12:00	20.25	4.98	0.33	5.22	20.13
16 Apr 2021 00:00	47.3	5.94	0.49	5.42	18.69
16 Apr 2021 12:00	33.32	5.38	0.35	5.2	20.22
17 Apr 2021 00:00	22.67	6.41	0.4	5.17	19.27
17 Apr 2021 12:00	15.05	4.96	0.28	5.14	19.91
18 Apr 2021 00:00	12.54	3.72	0.3	5.26	20.16
18 Apr 2021 12:00	5.29	3.68	0.26	5.15	20.58
19 Apr 2021 00:00	15.89	5.38	0.39	5.26	20.34
19 Apr 2021 12:00	43.45	11.84	0.44	5.2	20.31
20 Apr 2021 00:00	30.03	23.1	0.73	5.41	21.3
20 Apr 2021 12:00	21.6	11.39	0.31	5.19	19.28
21 Apr 2021 00:00	20.03	12.39	0.34	5.08	19.13

21 Apr 2021 12:00	25.75	9.03	0.24	5.4	18.88
22 Apr 2021 00:00	26.7	9.87	0.25	5.41	18.92
22 Apr 2021 12:00	13.49	6.37	0.27	5.38	19.05
23 Apr 2021 00:00	14.4	10.74	0.38	5.27	19.18
23 Apr 2021 12:00	20.46	10.13	0.34	5.33	19.73
24 Apr 2021 00:00	22.09	15.34	0.5	5.22	20.41
24 Apr 2021 12:00	22.41	9.95	0.26	5.15	20.13
25 Apr 2021 00:00	10.69	8.18	0.3	5.18	20.16
25 Apr 2021 12:00	13.98	8.03	0.35	5.25	20.18
26 Apr 2021 00:00	20.19	13.73	0.51	5.32	20.1
26 Apr 2021 12:00	15.4	7.51	0.3	5.22	20.96
27 Apr 2021 00:00	33.18	13.2	0.48	5.32	20.3
27 Apr 2021 12:00	23.04	6.97	0.28	5.38	20.7
28 Apr 2021 00:00	41.18	18.29	0.63	5.21	21.5
28 Apr 2021 12:00	19.69	7.4	0.35	5.22	21.33
29 Apr 2021 00:00	39.04	14.12	0.5	5.34	21.36
29 Apr 2021 12:00	26.43	11.75	0.34	5.27	21.51
30 Apr 2021 00:00	64.24	30.33	0.51	5.17	21.46
30 Apr 2021 12:00	70.79	15.54	0.34	5.12	20.08

### Data Report

FromTime : 01 Apr 2021 00:00:00 ToTime : 01 May 2021 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 Apr 2021 00:00	85.88	20.01	23.02	24.87	0.1
01 Apr 2021 12:00	61.52	10.8	22.88	24.84	0.11
02 Apr 2021 00:00	49.66	15.72	23.03	24.8	0.13
02 Apr 2021 12:00	34.03	10.78	23.78	24.8	0.1
03 Apr 2021 00:00	97.19	20.91	23.69	24.96	0.14
03 Apr 2021 12:00		13.94	24.75	24.85	0.1
04 Apr 2021 00:00	21.5	19.11	23.53	24.98	0.13
04 Apr 2021 12:00	20.45	12.25	24	24.79	0.14
05 Apr 2021 00:00	40.47	24.29	23.1	24.9	0.19
05 Apr 2021 12:00	42.99	13.51	23.35	24.92	0.14
06 Apr 2021 00:00	82.17	26.1	23.31	24.88	0.21
06 Apr 2021 12:00	52.54	16.36	23.63	24.86	0.11
07 Apr 2021 00:00	55.35	19.09	23.41	24.9	0.12
07 Apr 2021 12:00	118.25	22.73	23.34	24.95	0.09
08 Apr 2021 00:00	75.43	25.09	23.52	24.92	0.11
08 Apr 2021 12:00	88.24	22.13	23.77	24.78	0.1
09 Apr 2021 00:00	122.48	25.03	24.1	24.92	0.11
09 Apr 2021 12:00	50.75	20.22	25.61	24.88	0.09
10 Apr 2021 00:00	73.16	22.22	23.71	24.94	0.13
10 Apr 2021 12:00	19.19	10.26	23.52	24.87	0.09
11 Apr 2021 00:00	37.27	24.73	23.47	24.88	0.1
11 Apr 2021 12:00	37.81	25.82	23.68	24.98	0.07
12 Apr 2021 00:00	14.8	13.53	23.58	24.94	0.06
12 Apr 2021 12:00	43.19	15.21	23.99	24.94	0.1
13 Apr 2021 00:00	33.87	19.11	23.59	24.89	0.12
13 Apr 2021 12:00	28.27	15.3	24.08	24.95	0.12
14 Apr 2021 00:00	46.81	23.2	23.53	24.88	0.17
14 Apr 2021 12:00	22.35	17.65	23.87	24.79	0.11
15 Apr 2021 00:00	21.79	18.02	23.76	24.94	0.09
15 Apr 2021 12:00	26.43	13.52	25.1	24.87	0.09
16 Apr 2021 00:00	23.93	16.57	23.8	24.91	0.12
16 Apr 2021 12:00	27.32	13.54	24.1	24.78	0.09
17 Apr 2021 00:00	40.25	21.83	24.02	24.85	0.11
17 Apr 2021 12:00	63.72	15.99	24.16	24.94	0.08
18 Apr 2021 00:00	83.82	17.42	24.02	24.92	0.08
18 Apr 2021 12:00	57.13	15.38	24.34	24.86	0.08
19 Apr 2021 00:00	51.02	20.33	23.95	24.84	0.11
19 Apr 2021 12:00	71.57	15.16	24.21	24.94	0.09
20 Apr 2021 00:00	77.58	28.63	24.12	24.8	0.19
20 Apr 2021 12:00	27.77	14.03	24.3	24.84	0.09
21 Apr 2021 00:00	17.62	11.67	24.3	24.93	0.09

21 Apr 2021 12:00	39.84	10.43	24.48	24.9	0.07
22 Apr 2021 00:00	45.8	11.38	24.23	24.93	0.08
22 Apr 2021 12:00	22.08	7.94	24.39	24.99	0.08
23 Apr 2021 00:00	30.2	11.56	24.51	25.07	0.11
23 Apr 2021 12:00	11.21	7.29	24.48	24.96	0.09
24 Apr 2021 00:00	18.2	13.31	24.38	24.86	0.13
24 Apr 2021 12:00	32.73	11.79	24.6	24.84	0.08
25 Apr 2021 00:00	24.59	9.29	24.47	25	0.1
25 Apr 2021 12:00	33.74	10.19	24.68	24.93	0.12
26 Apr 2021 00:00	22.9	13.85	24.47	24.87	0.17
26 Apr 2021 12:00	30.55	10.14	24.61	24.82	0.11
27 Apr 2021 00:00	15.44	11.37	24.49	24.92	0.14
27 Apr 2021 12:00	24.72	8.75	24.73	24.89	0.1
28 Apr 2021 00:00	30.03	15.94	25.02	24.97	0.18
28 Apr 2021 12:00	37.75	10.93	24.88	24.93	0.11
29 Apr 2021 00:00	41.81	16.09	24.63	24.85	0.15
29 Apr 2021 12:00	32.56	12.15	25.37	24.81	0.11
30 Apr 2021 00:00	49.72	17.51	24.79	24.89	0.13
30 Apr 2021 12:00	39.65	13.68	25.78	24.95	0.11

### Data Report

FromTime : 01 Apr 2021 00:00:00 To Time : 30 Apr 2021 00:00:00 Interval : hour

#### Patharia Mines

Time	AAQMS1-PM10- µg/m3	AAQMS1-PM2.5- µg/m3	AAQMS1-SO2- mg/m3	AAQMS1-NO2- µg/m3	AAQMS1-CO- mg/m3
01 Apr 2021 00:00	140.01	25.63	39.76	10.42	0.02
01 Apr 2021 12:00	76.46	16.02	71.62	9.87	0.07
02 Apr 2021 00:00	70.12	19.82	55.38	10.5	0.13
02 Apr 2021 12:00	34.77	10.21	16.14	10.59	0.05
03 Apr 2021 00:00	106.98	25.03	16.17	10.61	0.1
03 Apr 2021 12:00	30.09	14.83	16.15	10.71	0.05
04 Apr 2021 00:00	69.89	22.81	16.39	10.64	0.1
04 Apr 2021 12:00	43.07	12.99	16.66	10.65	0.06
05 Apr 2021 00:00	78.21	23.31	16.43	10.61	0.09
05 Apr 2021 12:00	45.9	15.65	16.53	10.6	0.07
06 Apr 2021 00:00	88.22	27.75	16.86	10.56	0.11
06 Apr 2021 12:00	93.68	27.43	15.75	10.61	0.07
07 Apr 2021 00:00	103.29	27.48	16.02	10.58	0.09
07 Apr 2021 12:00	112.73	28.24	15.9	10.64	0.05
08 Apr 2021 00:00	91.2	33.98	15.33	10.58	0.09
08 Apr 2021 12:00	92.64	25.57	14.91	10.58	0.06
09 Apr 2021 00:00	58.23	20.76	14.95	10.65	0.07
09 Apr 2021 12:00	39.55	18.28	14.5	10.64	0.06
10 Apr 2021 00:00	41.33	22.14	15.47	10.63	0.11
10 Apr 2021 12:00	34.12	14.1	13.24	10.6	0.08
11 Apr 2021 00:00	32.08	13.77	13.02	10.57	0.08
11 Apr 2021 12:00	18.38	12.43	12.37	10.65	0.05
12 Apr 2021 00:00	12.65	6.56	13.59	10.74	0.11
12 Apr 2021 12:00	46.21	13.59	15.09	10.73	0.04
13 Apr 2021 00:00	38.83	14.53	16.31	10.84	0.08
13 Apr 2021 12:00	51.16	17.54	17.99	10.65	0.07
14 Apr 2021 00:00	66.19	21.5	19.05	10.69	0.1
14 Apr 2021 12:00	47.7	17.29	18.46	10.72	0.07
15 Apr 2021 00:00	78.78	14.12	16.92	10.71	0.08
15 Apr 2021 12:00	52.84	15.4	17.45	10.73	0.06
16 Apr 2021 00:00	59.43	16.65	17.46	10.69	0.07
16 Apr 2021 12:00	71.91	21.09	17.68	10.69	0.07
17 Apr 2021 00:00	74.97	21.45	17.71	10.72	0.08
17 Apr 2021 12:00	87.15	19.85	17.17	10.7	0.06
18 Apr 2021 00:00	73.71	19.45	17.57	10.7	0.08
18 Apr 2021 12:00	64.81	11.21	17.53	10.68	0.04
19 Apr 2021 00:00	61.37	16.54	18.15	10.68	0.08
19 Apr 2021 12:00	71.8	14.85	19.05	10.62	0.05
20 Apr 2021 00:00	90.09	25.16	19.8	10.64	0.09
20 Apr 2021 12:00	63.13	17.07	18.96	10.59	0.08
21 Apr 2021 00:00	64.61	17.96	17.93	10.63	0.04
21 Apr 2021 12:00	86.66	33.49	18.33	10.59	0.06
22 Apr 2021 00:00		24.16	18.12	10.58	0.06
22 Apr 2021 12:00	2.32	20.39	19.21	10.56	0.04
23 Apr 2021 00:00	4.89	25.46	19.67	10.54	0.08
23 Apr 2021 12:00	76.71	19.51	19.8	10.52	0.04
24 Apr 2021 00:00	94.65	22.42	20.39	10.53	0.09
24 Apr 2021 12:00	79.62	20.8	19.37	10.58	0.05
25 Apr 2021 00:00	52.19	15.67	21.27	10.66	0.06

25 Apr 2021 12:00	68.12	13.63	22.82	10.65	0.04
26 Apr 2021 00:00	52.81	16.79	24.57	10.5	0.1
26 Apr 2021 12:00	62.19	13.7	23.9	10.53	0.06
27 Apr 2021 00:00	72.66	18.08	24.06	10.57	0.08
27 Apr 2021 12:00	84.19	18.61	24.64	10.55	0.06
28 Apr 2021 00:00	95.69	27.54	26.06	10.57	0.13
28 Apr 2021 12:00	106.68	23.19	26.27	10.51	0.07
29 Apr 2021 00:00	68.2	20.56	26	10.52	0.1
29 Apr 2021 12:00	78.56	18.8	25.25	10.62	0.06
30 Apr 2021 00:00	72.43	20.96	24.77	10.55	0.09
30 Apr 2021 12:00	68.18	18.6	24.05	10.53	0.05



**Report Name : Average Report**  
From: 01-04-2021 - 00:00:00 To: 30-04-2021 - 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	46.69	34.85	1.59	14.63	4.57	2.11
Min	26.13	33.21	1.55	8.76	4.52	2.09
Max	78.99	36.00	1.68	22.31	4.68	2.14
Geom.Mean	46.69	34.85	1.59	14.63	4.57	2.11
Median	13.5	0.84	0.02	3.1	0.03	0.01
Mode	61.76	35.8	1.59	16.76	4.59	2.11
Std.Deviation	46.81	35.07	1.59	14.87	4.58	2.11
Prescribed Standard	100.0	80.0	80.0	60.0	80.0	80.0
First Max occurred at	13-04-2021	30-04-2021	28-04-2021	13-04-2021	28-04-2021	30-04-2021
First Min occurred at	11-04-2021	01-04-2021	03-04-2021	25-04-2021	01-04-2021	01-04-2021
Valid Data Points	30	30	30	30	30	30
Total Data Points	30	30	30	30	30	30
Data Availability %	100	100	100	100	100	100
Uncertainty	0	0	0	0	0	0
01-04-2021	61.76	33.21	1.58	15.53	4.52	2.09
02-04-2021	60.54	33.38	1.57	20.02	4.55	2.11
03-04-2021	36.19	33.45	1.55	12.93	4.55	2.11
04-04-2021	32.33	33.62	1.57	13.37	4.55	2.11
05-04-2021	46.81	33.72	1.61	16.92	4.6	2.11
06-04-2021	68.41	33.91	1.58	18.16	4.58	2.12
07-04-2021	51.29	33.94	1.57	16.76	4.54	2.1
08-04-2021	60.27	34.17	1.61	19.7	4.56	2.09
09-04-2021	43.76	34.3	1.61	15.65	4.59	2.1
10-04-2021	31.55	34.32	1.59	12.55	4.59	2.12
11-04-2021	26.13	34.48	1.58	10.91	4.57	2.12
12-04-2021	61.56	34.68	1.6	16.08	4.58	2.12
13-04-2021	78.99	35	1.57	22.31	4.58	2.13

14-04-2021	62.56	34.86	1.58	17.57	4.58	2.12
15-04-2021	43.16	34.85	1.58	11.13	4.59	2.12
16-04-2021	52.2	35.07	1.55	15.4	4.55	2.12
17-04-2021	51.79	35.16	1.59	13.44	4.56	2.1
18-04-2021	44.63	35.24	1.57	12.51	4.56	2.11
19-04-2021	36.07	35.37	1.62	15.05	4.61	2.11
20-04-2021	52.29	35.49	1.61	16.76	4.59	2.11
21-04-2021	47.7	35.5	1.56	12.48	4.54	2.1
22-04-2021	40.74	35.62	1.59	10.68	4.59	2.13
23-04-2021	30.41	35.64	1.59	11.17	4.58	2.12
24-04-2021	40.99	35.74	1.6	12.09	4.59	2.11
25-04-2021	30.37	35.8	1.59	8.76	4.55	2.09
26-04-2021	32.97	35.73	1.59	13.28	4.57	2.11
27-04-2021	27.1	35.65	1.59	11.28	4.57	2.12
28-04-2021	65.08	35.72	1.68	17.2	4.68	2.13
29-04-2021	48.53	35.8	1.59	14.87	4.57	2.11
30-04-2021	34.49	36	1.56	14.37	4.59	2.14



**Report Name : Average Report(Continued)**

<b>Date (DD-MM-YYYY)</b>	<b>AAQMS_1 CO (mg/m3)Normalized</b>
Avg	0.42
Min	0.32
Max	0.51
Geom.Mean	0.42
Median	0.05
Mode	0.49
Std.Deviation	0.13
Prescribed Standard	4.0
First Max occurred at	05-04-2021
First Min occurred at	12-04-2021
Valid Data Points	30
Total Data Points	30
Data Availability %	100
Uncertainty	0
01-04-2021	0.39
02-04-2021	0.49
03-04-2021	0.41
04-04-2021	0.44
05-04-2021	0.51
06-04-2021	0.5
07-04-2021	0.43
08-04-2021	0.45
09-04-2021	0.41
10-04-2021	0.39
11-04-2021	0.36
12-04-2021	0.32
13-04-2021	0.47
14-04-2021	0.44
15-04-2021	0.37

16-04-2021	0.4
17-04-2021	0.38
18-04-2021	0.35
19-04-2021	0.43
20-04-2021	0.48
21-04-2021	0.34
22-04-2021	0.33
23-04-2021	0.4
24-04-2021	0.38
25-04-2021	0.37
26-04-2021	0.49
27-04-2021	0.45
28-04-2021	0.5
29-04-2021	0.49
30-04-2021	0.45



# Real Time Data Acquisition And Monitoring



Created By: glensAdmin

Created At: 2021-05-03 09:47:00

## Report Name : Average Report

From: 01-04-2021 - 00:00:00 To: 30-04-2021 - 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	2.25	0.1	18.64	1.2	25.4
Min	4.43	2.24	0.04	18.61	1.17	12.61
Max	4.48	2.26	0.19	18.72	1.23	37.37
Geom.Mean	4.45	2.25	0.1	18.64	1.2	25.4
Median	0.01	0.01	0.04	0.04	0.02	5.85
Mode	4.44	2.25	0.07	18.61	1.2	25.74
Std.Deviation	4.45	2.25	0.1	18.62	1.2	24.59
Prescribed Standard	80.0	80.0	4.0	80.0	80.0	60.0
First Max occurred at	30-04-2021	05-04-2021	05-04-2021	19-04-2021	18-04-2021	07-04-2021
First Min occurred at	03-04-2021	03-04-2021	12-04-2021	01-04-2021	05-04-2021	12-04-2021
Valid Data Points	30	30	30	30	30	29
Total Data Points	30	30	30	30	30	30
Data Availability %	100	100	100	100	100	96
Uncertainty	0	0	0	0	0	0
01-04-2021	4.45	2.25	0.14	18.61	1.2	0
02-04-2021	4.44	2.25	0.18	18.61	1.19	25.74
03-04-2021	4.43	2.24	0.17	18.61	1.2	27.53
04-04-2021	4.44	2.25	0.17	18.61	1.2	23.97
05-04-2021	4.43	2.26	0.19	18.61	1.17	29.76
06-04-2021	4.45	2.25	0.19	18.62	1.2	32.92
07-04-2021	4.44	2.25	0.14	18.61	1.2	37.37
08-04-2021	4.44	2.24	0.12	18.61	1.21	37.19
09-04-2021	4.44	2.26	0.1	18.61	1.17	33.9
10-04-2021	4.45	2.26	0.09	18.61	1.19	28.11
11-04-2021	4.44	2.25	0.07	18.61	1.19	22.86
12-04-2021	4.43	2.24	0.04	18.61	1.18	12.61
13-04-2021	4.43	2.24	0.08	18.61	1.19	31.18

14-04-2021	4.44	2.26	0.09	18.61	1.19	28.33
15-04-2021	4.45	2.25	0.05	18.62	1.2	17.88
16-04-2021	4.45	2.24	0.08	18.66	1.22	24.39
17-04-2021	4.45	2.24	0.07	18.7	1.21	22.96
18-04-2021	4.46	2.24	0.06	18.7	1.23	20.54
19-04-2021	4.46	2.24	0.09	18.72	1.22	29.37
20-04-2021	4.46	2.25	0.12	18.67	1.2	29.02
21-04-2021	4.44	2.24	0.06	18.7	1.2	20.73
22-04-2021	4.47	2.25	0.05	18.69	1.21	19.65
23-04-2021	4.46	2.26	0.08	18.71	1.2	20.27
24-04-2021	4.46	2.25	0.07	18.67	1.21	20.06
25-04-2021	4.45	2.24	0.07	18.69	1.21	15.47
26-04-2021	4.47	2.25	0.1	18.62	1.21	24.42
27-04-2021	4.46	2.25	0.11	18.63	1.21	23
28-04-2021	4.47	2.25	0.13	18.62	1.22	25.2
29-04-2021	4.47	2.24	0.12	18.61	1.23	24.23
30-04-2021	4.48	2.25	0.11	18.64	1.23	27.78

### Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_2 PM10 (ug/m3)Normalized
Avg	82.64
Min	35.28
Max	150.25
Geom.Mean	82.64
Median	33.03
Mode	92.15
Std.Deviation	80.63
Prescribed Standard	100.0
First Max occurred at	09-04-2021
First Min occurred at	25-04-2021
Valid Data Points	27
Total Data Points	30
Data Availability %	90
Uncertainty	0
01-04-2021	92.15
02-04-2021	119.06
03-04-2021	143.98
04-04-2021	99.91
05-04-2021	142.91
06-04-2021	88.65
07-04-2021	70.3
08-04-2021	132.27
09-04-2021	150.25
10-04-2021	90.63
11-04-2021	87.32
12-04-2021	0
13-04-2021	0
14-04-2021	0
15-04-2021	44.07

16-04-2021	44.79
17-04-2021	62.53
18-04-2021	86.95
19-04-2021	118.26
20-04-2021	66.72
21-04-2021	58.28
22-04-2021	85.98
23-04-2021	55.4
24-04-2021	54.78
25-04-2021	35.28
26-04-2021	38.33
27-04-2021	49.57
28-04-2021	56
29-04-2021	76.36
30-04-2021	80.65

**DIAMOND CEMENTS - DAMOH**

**PERFORMANCE OF ESPs / BAG HOUSES**

Apr-21

PCM ATTACHED TO	Plant Operation		PCM Operation		PCM Stoppage Hrs.	No. OF ESP Trippings	% OF ESP R.Hrs	Remarks
	Hrs.	Min	Hrs.	Min				
ESP To KILN NO. 1 + RAW MILL NO.1	633	35	633	35	0.000	0	100.000	
ESP To KILN NO. 2 + RAW MILL NO. 2	518	5	518	5	0.000	0	100.000	
REVERSE AIR BAG HOUSE(RABH) To KILN NO. 3 + RAW MILL NO. 3	719	17	719	17	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 1	488	5	488	5	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 2	436	15	436	15	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 3	562	35	562	35	0.000	0	100.000	
ESP To COOLER NO. 1	633	35	633	35	0.000	0	100.000	
ESP To COOLER NO. 2	518	5	518	3	0.033	1	99.994	
ESP To COOLER NO. 3	719	17	719	17	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 1	607	30	607	30	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 2	470	15	470	15	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 3	126	45	126	45	0.000	0	100.000	

**DIAMOND CEMENTS DAMOH**

**Energy Meter Reading**

Month : April - 21

S.No.	Location	Month	Consumption (KWH)	Remarks, If Any
<b>Clinkerisation Unit Narsingarh</b>				
1	Hybrid ESP For KILN/ RAW MILL NO.1	Apr-21	6196	
2	Hybrid ESP For KILN/ RAW MILL NO.2	Apr-21	11095	
3	RABH For KILN / RAW MILL NO. 3	Apr-21	266788	
4	ESP For COOLER NO. 1	Apr-21	20584	
5	ESP For COOLER NO. 2	Apr-21	24950	
6	ESP For COOLER NO. 3	Apr-21	11126	
7	BAG HOUSE For COAL MILL NO. 1	Apr-21	21977	
8	BAG HOUSE For COAL MILL NO. 2	Apr-21	92960	
9	BAG HOUSE For COAL MILL NO. 3	Apr-21	306890	
10	SEWAGE TREATMENT PLANT	Apr-21	9167	
<b>Grinding Unit Imlai</b>				
1	BAG HOUSE For CEMENT MILL NO. 1	Apr-21	9357	
2	BAG HOUSE For CEMENT MILL NO. 2	Apr-21	12989	
3	BAG HOUSE For CEMENT MILL NO. 3	Apr-21	13013	
4	SEWAGE TREATMENT PLANT	Apr-21	13010	





# 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**

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

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](http://www.iascert.com)  
This Certificate is the property of LMS Certification Limited and shall be returned immediately when demanded.



LMS Certification Limited  
35 Park Hill, Huddersfield, West Yorkshire, HD2 1QG.  
Phone : +44 2089355094  
Visit : [www.iascert.com](http://www.iascert.com)





**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, IIInd 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](http://www.nabl-india.org))

Signed for and on behalf of NABL



89076970100030001777

*Anil Relia*

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