

HeidelbergCement India Limited

CIN: L26942HR1958FLC042301

Village and P. O. Narsingarh

District Damoh,

Madhya Pradesh 470675

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HCIL(NGH)-ENV-F-101/2022/O-24

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

June 5th, 2022

Sub.: Monthly Environmental Monitoring Report for May 2022

Sir,

Please find enclosed herewith the Environmental Monitoring Report of the following for the month of **May 2022** for Clinkerisation Unit, Narsingarh (including WHRPP), Grinding Unit, Imlai and Lime Stone Mines, Patharia.

This is submitted for your kind perusal please.

Thanking you,
Yours faithfully,
For Diamond Cements
(Prop.: HeidelbergCement India Ltd.)



Anand Singh Chouhan
Head Environment (Unit-Damoh)

Encl: as above

CC: The Zonal Officer (Central),
Central Pollution Control Board, Parivesh Bhawan , Paryavaran Parisar, E-5 , Arera Colony,
Bhopal, Madhya Pradesh 462016

CC: The Regional Officer
MP Pollution Control Board, Deen Dayal Nagar, Housing Board Colony, Sagar (MP)

CC: Office Copy

Environmental Monitoring Report



(MONTHLYREPORT: MAY-2022)

Sponsor:

HEIDELBERGCEMENT

M/s. DIAMOND CEMENTS
(Prop. HeidelbergCement India Limited)
Village & Post: Narsingarh,
Damoh, Madhya Pradesh, India.

Report Prepared by:

Vimta
Driven by Quality Inspired by Science

Vimta Labs Ltd.

142, IDA, Phase-II, Cherlapally
Hyderabad-500 051

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*(QCI/NABET Accredited EIA Consultancy Organization,
NABL Accredited & ISO 17025 Certified and MoEF &CC Recognized Laboratory)*

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Environmental Monitoring Reports:

Clinkerisation Unit (Prop: HCIL), Narsingarh, Damoh, M.P.



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M/s. DIAMOND CEMENTS,
(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Dist: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/001
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING
Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit Narsingarh, (Prop: HCIL), Damoh, M.P.

TEST REPORT

Location Name	Date/Time*	PM _{2.5}	PM ₁₀	Time	CO	SO ₂	NO ₂
		07.05.2022	06.05.2022		06.05.2022	06.05.2022	06.05.2022
Near Hospital	06.00 am	39.00	54.60	06:00 am to 10:00 am	330	7.04	12.16
				10:00 am to 02:00 pm		8.54	12.90
				02:00 pm to 06:00 pm		5.74	12.63
				06:00 pm to 10:00 pm	320	6.86	12.16
				10:00 pm to 02:00 am		6.27	11.91
				02:00 am to 06:00 am		8.61	12.03
				Average Value			
Near Gate of Mine Pit No.1	06.00 am	43.50	64.80	06:20 am to 10:20 am	350	7.41	10.61
				10:20 am to 02:20 pm		6.40	11.34
				02:20 pm to 06:20 pm	330	8.49	11.18
				06:20 pm to 10:20 pm		7.94	11.11
				10:20 pm to 02:20 am		7.43	11.29
				02:20 am to 06:20 am	340	9.05	11.24
				Average Value			
Near STP Area	06.00 am	41.60	58.60	06:40 am to 10:40 am	370	7.94	11.85
				10:40 am to 02:40 pm		6.25	13.29
				02:40 pm to 06:40 pm	380	8.57	12.59
				06:40 pm to 10:40 pm		7.53	14.37
				10:40 pm to 02:40 am		7.92	12.90
				02:40 am to 06:40 am	330	6.86	13.94
				Average Value			
Near Worker Colony	06.00 am	42.50	60.40	07:00 am to 11:00 am	370	6.32	11.86
				11:00 am to 03:00 pm		8.61	10.91
				03:00 pm to 07:00 pm	350	7.98	13.68
				07:00 pm to 11:00 pm		7.36	11.61
				11:00 pm to 03:00 am		340	8.04
				03:20 am to 07:00 am	8.51	11.85	
				Average Value			

Ambient Air Quality Standards as per MoE,F&CC GSR Notification 826E

S.NO.	Standard	Time	PM 2.5	PM 10	SO2	NO2	CO
1	(µg/m ³)	24 hours	≤ 60.0	≤ 100.0	≤ 80.0	≤ 80.0	≤ 2000
2		Annual	≤ 40.0	≤ 60.0	≤ 50.0	≤ 40.0	-

* Time mentioned above is the initial Time of Sampling.
Below Detection Limits for SO₂ is 4.0 µg/m³ and NO₂ is 6.0 µg/m³
All Units are Expressed in µg/m³

Dr. SubbaReddy Mallampati
Dy. Manager - Environment



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Report Number : VLL/VLS/22/02061/005
 Issued Date : 2022-06-06
 Purchase Order No : 4470559682
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SAMPLE PARTICULARS : AMBIENT NOISE MONITORING
 Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit Narsingarh, (Prop: HCIL), Damoh, M.P.
 Date of Monitoring : 06-05-2022

TEST REPORT

Sr. No.	Name of the Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Hospital	52.7	43.1
2.	Near Gate of Mine Pit No.1	59.8	53.2
3.	Near STP Area	61.8	58.3
4.	Near Worker Colony	53.6	44

Ambient Noise Standards as per The Noise Pollution (Regulation And Control) Rules, 2000 ,S.O. 50 (E)			
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.

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Report Number : VLL/VLS/22/02061/008
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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Clinkerisation Unit (Prop: HCIL), Narsingarh, Damoh, M.P.**

TEST REPORT

Stack ID/Code		S-1	S-2	S-3
Date of Monitoring	UoM	03.05.2022	11.05.2022	14.05.2022
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 Ground level	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	Sq.m	1.65	1.65	3.53
Ambient Temp	°C	39	39	30
Stack Gas Temp	°C	54	64	70
Exit Velocity of Gas	m/sec	7.37	6.72	7.11
Volumetric Flow Rate	Nm ³ / sec	10.40	9.25	19.92
Test Conducted				
Particulate Matter(PM) by Iso-kinetic Sampling	mg/Nm ³	18.6	20.4	22.5

Standard for Stack Emission: ≤ 30.0 mg/Nm³

Note:

Stack ID/Code:
S-1: Coal Mill-1
S-2: Coal Mill-2
S-3: Coal Mill-3

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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit (Prop: HCIL), Narsingarh, Damoh, M.P.

TEST REPORT

Stack ID/Code		S-7	S-8	S-9	S-10
Date of Monitoring	UoM	02.05.2022	09.05.2022	16.05.2022	19.05.2022
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 Ground level	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	Sq.m	6.95	11.05	11.05	0.282
Ambient Temp	°C	41	38	40	42
Stack Gas Temp	°C	124	95	125	43
Exit Velocity of Gas	m/sec	7.04	6.99	7.44	6.80
Volumetric Flow Rate	Nm ³ /sec	34.90	59.36	58.22	3.06
Test Conducted					
Particulate Matter (PM) by Iso-kinetic Sampling	mg/Nm ³	24.5	26.4	25.0	16.4

Standard for Stack Emission: ≤ 30.0 mg/Nm³

Note:

Stack ID/Code:
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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Dy. Manager – Environment



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Report Number : VLL/VLS/22/02061/013
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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Clinkerisation Unit (Prop: HCIL), Narsingarh, Damoh, M.P.**

TEST REPORT

Stack ID/Code		S-4	S-5	S-6
Date of Monitoring	UoM	02.05.2022	12.05.2022	13.05.2022
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 Ground level	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	Sq.m	4.52	5.51	15.90
Ambient Temp	°C	44	43	33
Stack Gas Temp	°C	128	137	94
Exit Velocity of Gas	m/sec	22.84	20.12	12.61
Volumetric Flow Rate	Nm ³ / sec	66.81	69.40	154.03
Test Conducted				
Particulate Matter(PM) by Iso-kinetic sampling	mg/Nm ³	17.9	23.9	21.6
Measured Oxygen	%	12.4	11.9	10.5
Sulphur Dioxide as SO ₂	mg/Nm ³	12.3	9.9	18.6
Sulphur Dioxide as SO ₂ at 10 % O ₂ Correction	mg/Nm ³	15.7	12	19.5
Nitrogen Dioxides ,NO _x as NO ₂	mg/Nm ³	535	590	640.5
Nitrogen Dioxides ,NO _x as NO ₂ at 10 % O ₂ Correction	mg/Nm ³	685.1	713.2	671

Standard for Stack Emission:

PM: ≤ 30.0 mg/Nm³;
SO₂: ≤ 100 mg/Nm³ at 10 % O₂;
NO_x as NO₂: ≤ 800 mg/Nm³ at 10 % O₂

Note:

Stack ID/Code:
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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P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : Sewage Treatment Plant (STP)
Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit Narsingarh (Prop: HCIL), Damoh, M.P

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022

Samples Collected by Vimta Labs Limited.

TEST REPORT

Sr. No.	Parameters	Results		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.71	7.38	5.5 - 9.0
2	Total Suspended Solid (TSS)	410.7	7.5	10.0
3	Total Dissolved Solid (TDS)	817.5	345.3	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	176.2	7.9	10.0
5	Chemical Oxygen Demand (COD)	395.4	25.8	50.0
6	Oil & Grease (O&G)	1.5	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.9	0.74	-
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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Report Number : VLL/VLS/22/02061/019
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : Neutralization Tank (ETP) Wastewater
Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit Narsingarh (Prop: HCIL), Damoh, M.P.

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022
Samples Collected by Vimta Labs Limited.			

TEST REPORT

Sr. No.	Parameters	Results	PCB Standards
1	pH	7.70	5.5 - 9.0
2	Total Suspended Solid (TSS)	18.4	100
3	Total Dissolved Solid (TDS)	500.4	2100
4	Biochemical Oxygen Demand (3 days at 27 °C)	5.3	30
5	Chemical Oxygen Demand (COD)	28.6	250
6	Oil & Grease (O&G)	BDL	10
7	Chlorides	268.2	1000

Note: All parameters are in mg/l except pH
Oil & Grease BDL < 1.0 (mg/l)

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Report Number : VLL/VLS/22/02061/20
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : FREE SILICA MONITORING IN FUGITIVE DUST
Place of Work/Plant/Mines : Diamond Cements- Clinkerisation Unit, Narsingarh (Prop: HCIL), M.P.

TEST REPORT

Sr. No.	Location	Date	Fugitive Dust ($\mu\text{g}/\text{m}^3$)	% Of Free Silica
1	Near Crusher	02.05.2022	1180.00	1.32
2	In Between Lime Stone Stock Coal Yard	03.05.2022	1360.80	0.53
3	Clinker Stock Pile	04.05.2022	765.90	<0.01
4	Plant Area	05.05.2022	654.80	<0.01

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Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

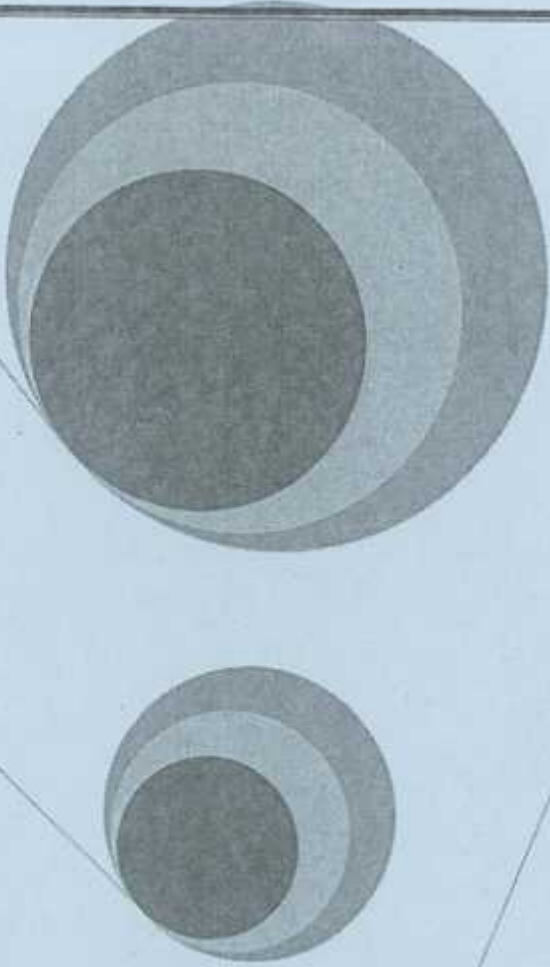
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SAMPLE PARTICULARS : **WORK ENVIRONMENT MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Clinkerisation Unit Narsingarh (Prop: HCIL), Damoh, M.P.**

TEST REPORT

Sr. No.	Location	Date	Time	Total Dust (mg/m ³)
1	Klin Area	03.05.2022	06:00 am to 02:00 pm	1.90
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	2.30
2	Near Crusher Area	04.05.2022	06:00 am to 02:00 pm	2.80
			02:00 pm to 10:00 pm	2.70
			10:00 pm to 06:00 am	2.90
3	Raw Mill Area	05.05.2022	06:00 am to 02:00 pm	2.60
			02:00 pm to 10:00 pm	2.69
			10:00 pm to 06:00 am	2.75
4	Commissioning Office Project	06.05.2022	06:00 am to 02:00 pm	2.10
			02:00 pm to 10:00 pm	2.50
			10:00 pm to 06:00 am	2.30
5	Environmental Lab.	07.05.2022	06:00 am to 02:00 pm	1.40
			02:00 pm to 10:00 pm	1.20
			10:00 pm to 06:00 am	1.60

Dr. SubbaReddy Mallampati
Dy. Manager - Environment



Environmental Monitoring Reports:

Grinding Unit (Prop: HCIL), Imlai , Damoh, M.P.



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A/E PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/002
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING
Place of Work/Plant/Mines : Diamond Cements- Grinding Unit Imlai, (Prop: HCIL), Damoh, M.P.

TEST REPORT

Location Name	Date/Time*	PM _{2.5}	PM ₁₀	Time	CO	SO ₂	NO ₂
		11.05.2022	10.05.2022		10.05.2022	10.05.2022	10.05.2022
Near Admin Bld.	06.00 am	39.10	55.50	06:00 am to 10:00	370	6.65	13.92
				10:00 am to 02:00		7.43	12.80
				02:00 pm to 06:00	350	8.16	12.31
				06:00 pm to 10:00		8.49	14.71
				10:00 pm to 02:00	320	6.81	12.71
				02:00 am to 06:00		5.74	13.44
				Average Value	347	7.21	13.31
Near Water Storage Tank (Behind D.G. Set)	06.00 am	41.56	62.80	06:20 am to 10:20	420	6.89	11.78
				10:20 am to 02:20		8.49	12.04
				02:20 pm to 06:20	360	10.17	12.63
				06:20 pm to 10:20		10.78	12.71
				10:20 pm to 02:20	330	9.62	11.82
				02:20 am to 06:20		8.49	11.54
				Average Value	370	9.07	12.09
Near Railway Siding	06.00 am	44.10	61.70	06:40 am to 10:40	380	8.59	14.15
				10:40 am to 02:40		7.96	15.84
				02:40 pm to 06:40	420	7.37	13.36
				06:40 pm to 10:40		6.81	12.93
				10:40 pm to 02:40	360	7.98	15.92
				02:40 am to 06:40		6.96	15.05
				Average Value	387	7.61	14.54
Near Worker Colony	06.00 am	41.60	56.30	07:00 am to 11:00	350	9.14	13.46
				11:00 am to 03:00		9.04	12.28
				03:00 pm to 07:00	400	7.90	10.51
				07:00 pm to 11:00		9.14	13.24
				11:00 pm to 03:00	320	7.36	11.99
				03:20 am to 07:00		7.96	11.02
				Average Value	357	8.42	12.08

Ambient Air Quality Standards as per MoE, F&CC GSR Notification 826E

S.NO.	UoM	Time	PM 2.5	PM 10	SO2	NO2	CO
1	(µg/m ³)	24 hours	≤ 60.0	≤ 100.0	≤ 80.0	≤ 80.0	≤ 2000
2		Annual	≤ 40.0	≤ 60.0	≤ 50.0	≤ 40.0	-

* Time mentioned above is the initial Time of Sampling.
Below Detection Limits for SO₂ is 4.0 µg/m³ and NO₂ is 6.0 µg/m³
All Units are Expressed in µg/m³

Dr. SubbaReddy Mallampati
Dy. Manager – Environment



ISSUED TO:

M/s. DIAMOND CEMENTS.
(Prop: Heidelberg Cement India Limited),
A#& PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/006
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : **AMBIENT NOISE MONITORING**
Place of Work/Plant/Mines : Diamond Cements- Grinding Unit Imlai, (Prop: HCIL), - Damoh, M.P.
Date of Monitoring : 10-05-2022

TEST REPORT

Sr. No.	Name of the Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near ADM Bld.	53.7	46.4
2.	Near Worker Colony	54.5	43.2
3.	Near Railway Siding	64.8	58.1
4.	Near Water Storage Tank (Behind D.G. Set)	62.7	58.6

Ambient Noise Standards as per: The Noise Pollution (Regulation And Control) Rules, 2000, S.O. 50 (E)			
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.

Dr. SubbaReddy Mallampati
Dy. Manager – Environment



TC-5418

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M/s. **DIAMOND CEMENTS,**
(Prop: Heidelberg Cement India Limited),
A/ & PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/010
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Grinding Unit (Prop: HCIL), Imlai, Damoh, M.P.**

TEST REPORT

Stack ID/Code		S-1	S-2	S-3
Date of Monitoring	UoM	20.05.2022	20.05.2022	07.05.2022
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 Ground level	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	Sq.m	1.65	1.77	0.985
Ambient Temp	°C	37	34	38
Stack Gas Temp	°C	87	69	94
Exit Velocity of Gas	m/sec	6.05	7.65	14.17
Volumetric Flow Rate	Nm ³ / sec	7.62	10.87	10.76
Test Conducted				
Particulate Matter(PM) by Iso-kinetic Sampling	mg/Nm ³	13.6	15.2	14.6

Standard for Stack Emission: ≤ 30.0 mg/Nm³

Note:

Stack ID/Code:
S-1: Cement Mill No-1
S-2: Cement Mill No-2
S-3: Cement Mill No-3

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TC-5418

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(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/011
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Grinding Unit (Prop: HCIL), Imlai, Damoh, M.P.**

TEST REPORT

Stack ID/Code		S-4
Date of Monitoring	UoM	25.05.2022
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 Ground level	m	30
Stack Top	--	Circular
Inside Diameter of Stack	m	0.53
Cross sectional area of Duct/Stack	Sq.m	0.22
Ambient Temp	°C	36
Stack Gas Temp	°C	39
Exit Velocity of Gas	m/sec	22.33
Volumetric Flow Rate	Nm3/ sec	4.51
Test Conducted		
Particulate Matter(PM) by Iso-kinetic Sampling	mg/Nm3	19.4

Standard for Stack Emission: ≤ 30.0 mg/Nm3

Note:

S-4: Packer No-3

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Report Number : VLL/VLS/22/02061/015
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

Page 1 of 1

SAMPLE PARTICULARS : Sewage Treatment Plant (STP)
Place of Work/Plant/Mines : Diamond Cements- Grinding Unit Imlai, (Prop: HCIL), Damoh, M.P

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022

Samples Collected by Vimta Labs Limited.

TEST REPORT

Sr. No.	Parameters	Results		PCB Standards
		STP Inlet	STP Outlet	
1	pH	7.81	7.41	5.5 - 9.0
2	Total Suspended Solid (TSS)	390.5	7.4	10.0
3	Total Dissolved Solid (TDS)	583.7	270.1	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	194.9	7.3	10.0
5	Chemical Oxygen Demand (COD)	401.1	24.1	50.0
6	Oil & Grease (O&G)	1.97	BDL	10.0
7	Sodium Adsorption Ratio (SAR)	1.7	0.81	-
8	Fecal Coliform (FC) MPN/100ml	-	95	1000

Note: All parameters are in mg/l except pH and SAR
Oil & Grease BDL < 1.0 (mg/l)



Dr. SubbaReddy Mallampati
Dy. Manager-Environment



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Report Number : VLL/VLS/22/02061/021
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : **FREE SILICA MONITORING IN FUGITIVE DUST**
Place of Work/Plant/Mines : **Diamond Cements- Grinding Unit, Imlai (Prop: HCIL), Damoh, M.P.**

TEST REPORT

Sr. No.	Location	Date	Fugitive Dust ($\mu\text{g}/\text{m}^3$)	% Of Free Silica
1	Clinker Stock Pile Area	11.05.2022	1280.00	<0.01
2	Near Cement Silo Area	12.05.2022	1022.60	<0.01
3	Cement Mill Area	13.05.2022	798.50	<0.01
4	Gypsum Yard Area	14.05.2022	840.00	<0.01

Dr. SubbaReddy Mallampati
Dy. Manager – Environment



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(Prop: Heidelberg Cement India Limited),
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Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/024
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

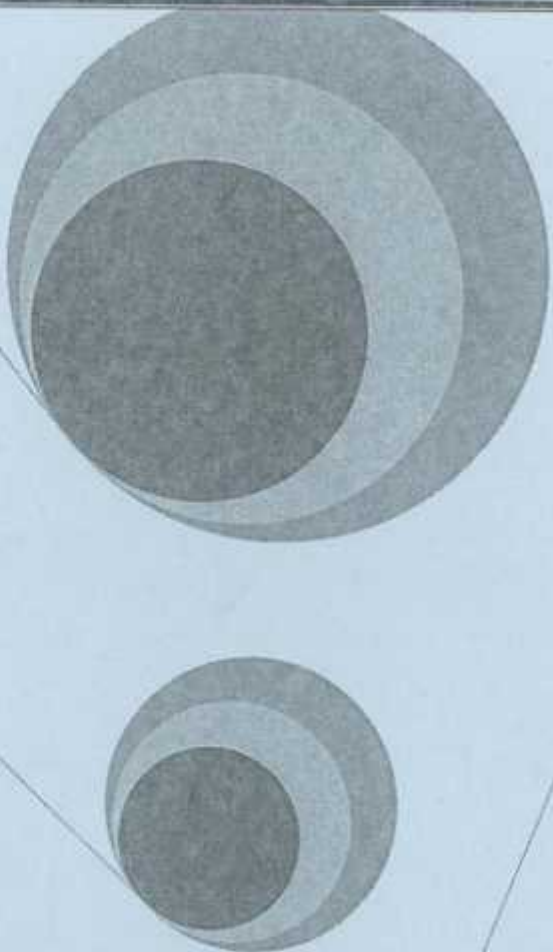
Page 1 of 1

SAMPLE PARTICULARS : WORK ENVIRONMENT MONITORING
Place of Work/Plant/Mines : Diamond Cements- Grinding Unit Imlai (Prop: HCIL), Damoh, M.P.

TEST REPORT

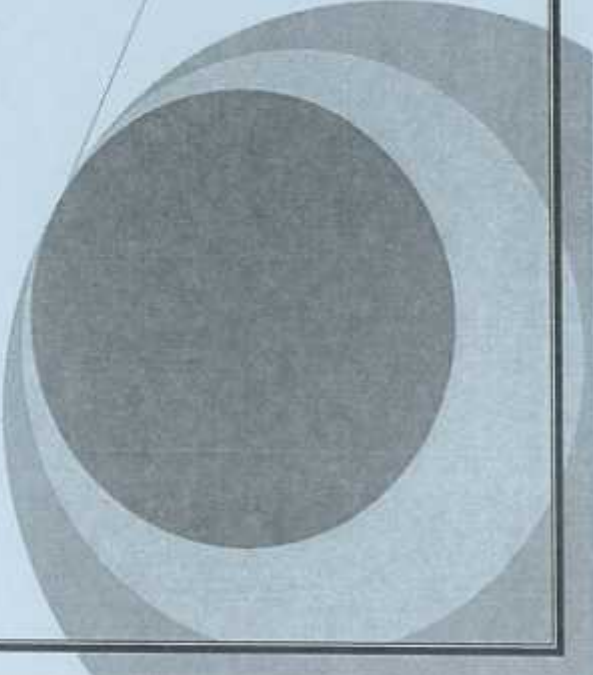
Sr. No.	Location	Date	Time	Total Dust (mg/m ³)
1	Near Weigh Bridge Area	09.05.2022	06:00 am to 02:00 pm	2.65
			02:00 pm to 10:00 pm	2.70
			10:00 pm to 06:00 am	2.49
2	Near Packing Plant	10.05.2022	06:00 am to 02:00 pm	2.80
			02:00 pm to 10:00 pm	2.70
			10:00 pm to 06:00 am	2.89
3	Mill Control Room	11.05.2022	06:00 am to 02:00 pm	2.10
			02:00 pm to 10:00 pm	1.90
			10:00 pm to 06:00 am	2.20
4	STP Area	12.05.2022	06:00 am to 02:00 pm	2.40
			02:00 pm to 10:00 pm	2.60
			10:00 pm to 06:00 am	2.34
5	QC Office	13.05.2022	06:00 am to 02:00 pm	2.20
			02:00 pm to 10:00 pm	1.85
			10:00 pm to 06:00 am	2.00

Dr. SubbaReddy Mallampati
Dy. Manager – Environment



Environmental Monitoring Reports:

Patharia Lime Stone Mines (Prop: HCIL), Patharia, Damoh, M.P.





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(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Dist: Damoh,
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Report Number : VLL/VLS/22/02061/003
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines, Patharia (Prop: HCIL), Damoh, M.P.

TEST REPORT

Location Name	Date/Time*	PM _{2.5}	PM ₁₀	Time	CO	SO ₂	NO ₂
		04.05.2022	03.05.2022		03.05.2022	03.05.2022	03.05.2022
Near Main Office	06.00 am	34.00	52.60	06:00 am to 10:00 am	310	7.60	10.39
				10:00 am to 02:00 pm		7.94	9.98
				02:00 pm to 06:00 pm	350	6.82	10.80
				06:00 pm to 10:00 pm		8.57	11.50
				10:00 pm to 02:00 am	330	6.81	9.91
				02:00 am to 06:00 am		7.47	11.34
				Average Value	330	7.53	10.66
Near Back Filling Area	06.00 am	39.50	59.70	06:20 am to 10:20 am	310	7.41	12.22
				10:20 am to 02:20 pm		7.96	10.58
				02:20 pm to 06:20 pm	340	8.61	12.22
				06:20 pm to 10:20 pm		9.12	11.85
				10:20 pm to 02:20 am	360	8.00	13.75
				02:20 am to 06:20 am		8.49	11.39
				Average Value	337	8.26	12.00
Near Mine Pit	06.00 am	36.40	57.60	06:40 am to 10:40 am	330	6.65	12.97
				10:40 am to 02:40 pm		7.37	12.28
				02:40 pm to 06:40 pm	310	7.39	11.23
				06:40 pm to 10:40 pm		7.94	11.11
				10:40 pm to 02:40 am	330	7.36	12.90
				02:40 am to 06:40 am		6.89	11.13
				Average Value	323	7.27	11.94
Near Temple	06.00 am	35.70	49.80	07:00 am to 11:00 am	370	7.43	11.13
				11:00 am to 03:00 pm		6.22	9.89
				03:00 pm to 07:00 pm	310	7.36	10.86
				07:00 pm to 11:00 pm		6.87	9.79
				11:00 pm to 03:00 am	380	7.41	10.18
				03:20 am to 07:00 am		6.25	11.68
				Average Value	310	6.92	10.59

Ambient Air Quality Standards as per MoE, F&CC GSR Notification 82&E

S.NO.	UoM	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.
Below Detection Limits for SO₂ is 4.0 µg/m³ and NO₂ is 6.0 µg/m³
All Units are Expressed in µg/m³

Dr. SubbaReddy Mallampati
Dy. Manager - Environment



ISSUED TO:

M/s. DIAMOND CEMENTS.
(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Dist: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/004
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING
Place of Work/Plant/Mines : Diamond Cements Lime Stone Mines, Patharla (Prop: HCIL), Damoh, M.P.

TEST REPORT

Location	Date/ Time*	PM _{2.5}	PM ₁₀	Time	CO	SO ₂	NO ₂
		21.05.2022	20.05.2022		20.05.2022	20.05.2022	20.05.2022
Near Main Office	06.00 am	37.20	53.60	06:00 am to 10:00	350	7.43	11.29
				10:00 am to 02:00		6.79	11.02
				02:00 pm to 06:00	320	8.00	11.20
				06:00 pm to 10:00		8.16	10.15
				10:00 pm to 02:00	380	7.36	11.62
				02:00 am to 06:00		8.57	11.07
				Average Value	350	7.72	11.06
Near Back Filling Area	06.00 am	42.60	58.00	06:20 am to 10:20	340	8.04	12.53
				10:20 am to 02:20		8.23	12.40
				02:20 pm to 06:20	380	9.76	12.97
				06:20 pm to 10:20		8.49	11.18
				10:20 pm to 02:20	350	8.57	12.34
				02:20 am to 06:20		6.81	12.50
				Average Value	357	8.32	12.32
Near Mine Pit	06.00 am	38.40	65.40	06:40 am to 10:40	310	7.43	12.11
				10:40 am to 02:40		7.98	12.13
				02:40 pm to 06:40	360	7.16	12.16
				06:40 pm to 10:40		8.04	12.44
				10:40 pm to 02:40	320	7.47	12.26
				02:40 am to 06:40		6.79	10.96
				Average Value	330	7.48	12.01
Near Temple	06.00 am	34.60	51.70	07:00 am to 11:00	340	7.43	10.97
				11:00 am to 03:00		8.51	11.25
				03:00 pm to 07:00	330	7.36	11.62
				07:00 pm to 11:00		8.57	9.55
				11:00 pm to 03:00	360	9.05	10.32
				03:20 am to 07:00		6.65	11.41
				Average Value	343	7.93	10.85

Ambient Air Quality Standards as per MoE&CC GSR Notification 826E

S.NO.	UoM	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.
Below Detection Limits for SO₂ is 4.0 µg/m³ and NO₂ is 6.0 µg/m³
All Units are Expressed in µg/m³

Dr. SubbaReddy Mallampati
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Report Number : VLL/VLS/22/02061/007
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : AMBIENT NOISE MONITORING
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia (Prop: HCIL), - Damoh, M.P.
Date of Monitoring : 20-05-2022

TEST REPORT

Sr. No.	Name of the Location	Leq Value in dB(A)	
		Day Time	Night Time
1.	Near Main Office	61.4	55.7
2.	Near Back Filling Area	56.2	50.5
3.	Near Mine Pit	57.3	51.8
4.	Near Temple	63.2	56.4

Ambient Noise Standards as per The Noise Pollution (Regulation And Control) Rules, 2000 .S.O. 50 (E)			
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.

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Report Number : VLL/VLS/22/02061/012
 Issued Date : 2022-06-06
 Purchase Order No : 4470559682
 P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : **STACK EMISSION MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Lime Stone Mines (Prop: HCIL), Patharlia, Damoh, M.P.**

TEST REPORT

Stack ID/Code		S-1
Date of Monitoring	UoM	17.05.2022
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 Ground level	m	30
Stack Top	--	Circular
Inside Diameter of Stack	m	1.5
Cross sectional area of Duct/Stack	Sq.m	1.77
Ambient Temp	°C	40
Stack Gas Temp	°C	40
Exit Velocity of Gas	m/sec	13.62
Volumetric Flow Rate	Nm ³ / sec	21.75
Test Conducted		
Particulate Matter(PM) by Iso-kinetic Sampling	mg/Nm ³	29.0

Standard for Stack Emission: ≤ 30.0 mg/Nm³

Note:

S-1: Crusher

Dr. SubbaReddy Mallampati
 Dy. Manager – Environment

ISSUED TO:

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(Prop: Heidelberg Cement India Limited),
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Report Number : VLL/VLS/22/02061/016
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : Septic Tank Water

Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia, (Prop: HCIL), Damoh, M.P.

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022
Samples Collected by Vimta Labs Limited.			

TEST REPORT

Sr. No.	Parameters	Results	PCB Standards
1	pH	7.8	5.5 - 9.0
2	Total Suspended Solid (TSS)	9.5	10.0
3	Total Dissolved Solid (TDS)	550.6	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	8.2	10.0
5	Chemical Oxygen Demand (COD)	29.4	50.0
6	Oil & Grease (O&G)	BDL	10.0
7	Chloride(Cl)	85	1000.0

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

Oil & Grease BDL < 1.0 (mg/l)



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Report Number : VLL/VLS/22/02061/017
 Issued Date : 2022-06-06
 Purchase Order No : 4470559682
 P.O. Date : 2021-05-24

Page 1 of 1

SAMPLE PARTICULARS : Oil & Grease Trap Wastewater
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia, (Prop: HCIL), Damoh, M.P.

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022
Samples Collected by Vimta Labs Limited.			

TEST REPORT

Sr. No.	Parameters	Results	PCB Standards
1	pH	7.65	5.5 - 9.0
2	Total Suspended Solid (TSS)	8.5	10
3	Total Dissolved Solid (TDS)	400.2	-
4	Biochemical Oxygen Demand (3 days at 27 °C)	7.8	10
5	Chemical Oxygen Demand (COD)	30.1	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)

Dr. SubbaReddy Mallampati
 Dy. Manager-Environment

ISSUED TO:

M/s. DIAMOND CEMENTS.
(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/018
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

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SAMPLE PARTICULARS : Mine Pit Water
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia, (Prop: HCIL), Damoh, M.P.

Sample Collection Date	: 21.05.2022	Sample Registration Date	: 25.05.2022
Analysis Starting Date	: 25.05.2022	Analysis Completion Date	: 04.06.2022
Samples Collected by Vimta Labs Limited.			

TEST REPORT

Sr. No.	Parameters	Results
1	pH	7.85
2	Total Suspended Solid	8.5
3	Total Dissolved Solid (TDS)	401
4	Total Hardness as CaCO ₃	528.4
5	Oil & Grease (O&G)	BDL
6	Fluoride as F	0.047
7	Calcium as CaCO ₃	387.2
8	Magnesium as CaCO ₃	150.7
9	Sodium as Na	15.3
10	Total Alkalinity	19.8
11	Potassium	1.3
12	Chloride as Cl	13.5
13	Total Organic Carbon (TOC)	1.71

Note: All parameters are in mg/l except pH
Oil & Grease BDL < 1.0 (mg/l)



Dr. SubbaReddy Mallampati
Dy. Manager-Environment



TC-5418

ISSUED TO:

M/s. DIAMOND CEMENTS.
(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Distt: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/022
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

Page 1 of 1

SAMPLE PARTICULARS : FREE SILICA MONITORING IN FUGITIVE DUST
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia (Prop: HCIL), , Damoh, M.P.

TEST REPORT

Sr. No.	Location	Date	Fugitive Dust ($\mu\text{g}/\text{m}^3$)	% Of Free Silica
1	Near Crusher	16.05.2022	1025	1.03
2	TT-3	17.05.2022	898	0.89
3	Mining Area	18.05.2022	720.3	0.56
4	Crusher Ramp Area	19.05.2022	1325.8	1.1

Dr. SubbaReddy Mallampati
Dy. Manager – Environment



TC-5418

ISSUED TO:

M/s. DIAMOND CEMENTS.
(Prop: Heidelberg Cement India Limited),
At& PO: Narsingarh, Dist: Damoh,
Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/023
Issued Date : 2022-06-06
Purchase Order No : 4470559682
P.O. Date : 2021-05-24

Page 1 of 1

SAMPLE PARTICULARS : FREE SILICA MONITORING IN PERSONNEL DUST
Place of Work/Plant/Mines : Diamond Cements- Lime Stone Mines Patharia (Prop: HCIL), , Damoh, M.P.

TEST REPORT

Sr. No.	Location	Date	Free Silica ($\mu\text{g}/\text{m}^3$)
1	Near Crusher	21.05.2022	2.60
2	TT-3	23.05.2022	2.41
3	Mining Area	24.05.2022	2.20
4	Crusher Ramp Area	25.05.2022	2.98

Dr. SubbaReddy Mallampati
Dy. Manager – Environment

Vimta Labs Limited

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 142, IDA Phase II, Cherlapally
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TC-5418

Vimta

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ISSUED TO:

M/s. DIAMOND CEMENTS.
 (Prop: Heidelberg Cement India Limited),
 At& PO: Narsingarh, Dist: Damoh,
 Madhya Pradesh-470675, India.

Report Number : VLL/VLS/22/02061/026
 Issued Date : 2022-06-06
 Purchase Order No : 4470559682
 P.O. Date : 2021-05-24

Page 1 of 1

SAMPLE PARTICULARS : **WORK ENVIRONMENT MONITORING**
Place of Work/Plant/Mines : **Diamond Cements- Lime Stone Mines Patharia (Prop: HCIL), Damoh, M.P.**

TEST REPORT

Sr. No.	Location	Date	Time	Total Dust (mg/m ³)
1	Drill Operator	16.05.2022	06:00 am to 02:00 pm	1.90
			02:00 pm to 10:00 pm	2.00
			10:00 pm to 06:00 am	2.20
2	Crusher Office	17.05.2022	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	1.95
3	Dumper Operator	18.05.2022	06:00 am to 02:00 pm	1.74
			02:00 pm to 10:00 pm	1.81
			10:00 pm to 06:00 am	1.95
4	Excavator Operator	19.05.2022	06:00 am to 02:00 pm	2.10
			02:00 pm to 10:00 pm	1.95
			10:00 pm to 06:00 am	2.00
5	Weigh Bridge Operator	20.05.2022	06:00 am to 02:00 pm	1.75
			02:00 pm to 10:00 pm	1.85
			10:00 pm to 06:00 am	1.90

Dr. SubbaReddy Mallampati
 Dy. Manager – Environment



Report Name : Average Report

From: 01-05-2022 - 00:00:00 To: 31-05-2022 - 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	73.33	20.92	4.06	24.68	9.33	3.91
Min	25.00	17.10	4.03	10.67	9.46	3.88
Max	269.29	71.83	4.10	70.80	9.59	3.94
Geom.Mean	73.33	20.92	4.06	24.68	9.33	3.91
Median	38.86	14.99	0.02	16.04	0.04	0.02
Mode	139.56	23.45	4.04	43.82	9.17	3.93
Std.Deviation	54.33	23.72	4.06	16.99	9.33	3.91
Prescribed Standard	100.0	80.0	80.0	60.0	80.0	80.0
First Max occurred at	26-05-2022	20-05-2022	03-05-2022	05-05-2022	07-05-2022	01-05-2022
First Min occurred at	11-05-2022	16-05-2022	24-05-2022	28-05-2022	30-05-2022	30-05-2022
Valid Data Points	31	31	31	31	31	31
Total Data Points	31	31	31	31	31	31
Data Availability %	100	100	100	100	100	100
Uncertainty	0	0	0	0	0	0
01-05-2022	139.56	23.45	4.07	43.82	9.17	3.94
02-05-2022	144.15	24.76	4.1	49.8	9.38	3.93
03-05-2022	56.08	24.05	4.08	32.49	9.17	3.93
04-05-2022	65.59	23.44	4.05	24.98	9.32	3.91
05-05-2022	49.43	22.86	4.09	70.8	9.56	3.92
06-05-2022	37.96	24.19	4.08	13.28	9.17	3.93
07-05-2022	34.79	23.65	4.09	16.75	9.39	3.93
08-05-2022	48.21	24.94	4.07	17.32	9.35	3.93
09-05-2022	27.33	24.1	4.07	14.2	9.56	3.93
10-05-2022	26.31	23.54	4.08	13.22	9.56	3.92
11-05-2022	25	23.11	4.09	13.44	9.17	3.93
12-05-2022	30.51	22.67	4.06	13.11	9.31	3.91
13-05-2022	33.79	23.72	4.05	16.11	9.34	3.93



Real Time Data Acquisition And Monitoring



14-05-2022	28.24	18.46	4.03	24.03	9.53	3.91
15-05-2022	24.22	17.55	4.07	16.99	9.57	3.94
16-05-2022	55.06	17.1	4.04	15.42	9.51	3.91
17-05-2022	73.03	21.16	4.07	20.22	9.54	3.91
18-05-2022	47.13	45.33	4.06	16.45	9.53	3.91
19-05-2022	49.87	68.19	4.04	17.7	9.49	3.9
20-05-2022	49.09	71.83	4.04	15.98	9.48	3.9
21-05-2022	61.47	55.21	4.03	15.66	9.52	3.91
22-05-2022	72.36	52.12	4.07	18.09	9.53	3.91
23-05-2022	24.38	49.04	4.04	12.72	9.49	3.9
24-05-2022	71.3	46.88	4.03	20.56	9.52	3.93
25-05-2022	157.1	36.69	4.03	21.24	9.56	3.92
26-05-2022	263.29	18.9	4.04	47.56	9.52	3.92
27-05-2022	48.97	19.21	4.03	13.21	9.47	3.9
28-05-2022	39.32	19.1	4.06	10.67	9.49	3.89
29-05-2022	42.84	19.19	4.04	11.53	9.47	3.89
30-05-2022	58.6	19.83	4.04	30.47	9.46	3.88
31-05-2022	251.42	19.45	4.04	64.27	9.46	3.88

Report Name : Average Report(Continued)

Date (DD-MM-YYYY)	AAQMS_1 CO (mg/m3)Normalized	AAQMS_1 Room (%)Normalized
Avg	0.21	24.87
Min	0.14	22.82
Max	0.27	26.62
Geom.Mean	0.21	24.87
Median	0.03	1.15
Mode	0.22	22.92
Std.Deviation	0.21	25.18
Prescribed Standard	4.0	100.0
First Max occurred at	08-05-2022	20-05-2022
First Min occurred at	28-05-2022	08-05-2022
Valid Data Points	31	31
Total Data Points	31	31
Data Availability %	100	100
Uncertainty	0	0
01-05-2022	0.23	25.27
02-05-2022	0.19	25.32
03-05-2022	0.19	25.36
04-05-2022	0.19	25.39
05-05-2022	0.22	25.18
06-05-2022	0.23	24.99
07-05-2022	0.22	22.9
08-05-2022	0.27	22.82
09-05-2022	0.26	22.84
10-05-2022	0.25	22.92
11-05-2022	0.25	22.92
12-05-2022	0.26	22.98
13-05-2022	0.21	24.48
14-05-2022	0.22	25.91
15-05-2022	0.23	26.02

16-05-2022	-0.21	25.77
17-05-2022	-0.22	25.33
18-05-2022	-0.22	25.3
19-05-2022	-0.25	25.26
20-05-2022	-0.21	26.62
21-05-2022	0.2	24.91
22-05-2022	-0.17	24.84
23-05-2022	-0.17	24.47
24-05-2022	-0.15	24.21
25-05-2022	-0.22	23.8
26-05-2022	-0.19	25.75
27-05-2022	-0.17	26.22
28-05-2022	-0.14	26.57
29-05-2022	-0.15	26.33
30-05-2022	-0.17	25.08
31-05-2022	0.2	25.09



Real Time Data Acquisition And Monitoring



Site Name: Heidelberg Cement India Limited

Report Type: Average Report

Time Range: 2022-05-01 00:00:00 - 2022-05-31 23:59:20

Date (YYYY-MM-DD)	AAQMS_2 PM10 (ug/m3) – Normalized U	AAQMS_2 SO2 (ug/m3) – Normalized U	AAQMS_2 NO2 (ug/m3) – Normalized U	AAQMS_2 PM2.5 (ug/m3) – Normalized U
Avg	175.29	16.49	1.98	48.07
Min	114.47	15.62	1.96	30.17
Max	319.22	18.04	2.0	86.09
GeomMean	175.29	16.49	1.98	48.07
Median	166.51	15.62	1.98	45.32
Mode	137.75	15.62	1.98	30.17
Std.Deviation	47.68	1.09	0.01	12.52
Prescribed Standard	None	None	None	None
First Max occurred at	2022-05-08	2022-05-24	2022-05-01	2022-05-08
First Min occurred at	2022-05-13	2022-05-01	2022-05-13	2022-05-28
Valid Data Points	31	30	31	31
Total Data Points	31	31	31	31
Data Availability %	100.0	96.77	100.0	100.0
Uncertainty	0	0	0	0
2022-05-01	137.75	15.62	2	37.78
2022-05-02	181.1	15.62	1.97	47.79
2022-05-03	127.57	15.62	1.97	35.05
2022-05-04	166.51	15.62	1.98	42.97
2022-05-05	183.86	15.62	1.99	51.7
2022-05-06	213.34	15.62	1.97	60.93
2022-05-07	170.27	15.62	1.99	47.02
2022-05-08	319.22	15.62	1.98	86.09
2022-05-09	235.27	15.62	1.98	64.05
2022-05-10	180.66	15.62	2	50.57
2022-05-11	204.35	15.62	1.98	55.7
2022-05-12	217.07	15.62	1.99	61.03
2022-05-13	114.47	15.62	1.96	31.44
2022-05-14	123.04	15.62	1.97	34.17
2022-05-15	122.73	15.62	1.99	33.65
2022-05-16	140.23	15.62	1.98	40.44
2022-05-17	142.42	15.72	1.98	39.55

Date (YYYY-MM-DD)	AAQMS_2 PM10 (ug/m3) – Normalized U	AAQMS_2 SO2 (ug/m3) – Normalized U	AAQMS_2 NO2 (ug/m3) – Normalized U	AAQMS_2 PM2.5 (ug/m3) – Normalized U
2022-05-18	143.07	16.5	1.97	42.44
2022-05-19	161.74	16.74	1.98	45.32
2022-05-20	148.45	16.78	1.98	42.6
2022-05-21	160.83	16.76	1.99	44.92
2022-05-22	240.81	NA	1.96	64.28
2022-05-23	235.12	18	1.98	60.75
2022-05-24	146.01	18.04	2	40.93
2022-05-25	234.54	18.04	1.98	62.11
2022-05-26	232.66	18.04	1.98	60.27
2022-05-27	155.13	18.04	1.98	41.16
2022-05-28	115.45	18.04	1.97	30.17
2022-05-29	123.31	18.04	1.98	34.44
2022-05-30	182.89	18.04	1.97	52.87
2022-05-31	174.24	18.04	1.97	47.96

Date (YYYY-MM-DD)	AAQMS_2 NOx (ug/m3) – Normalized U	AAQMS_2 NO (ug/m3) – Normalized U	AAQMS_2 CO (mg/m3) – Normalized U
Avg	6.45	4.34	0.17
Min	6.43	4.32	0.15
Max	6.47	4.35	0.2
Geom Mean	6.45	4.34	0.17
Median	6.45	4.34	0.17
Mode	6.45	4.34	0.16
Std.Deviation	0.01	0.01	0.02
Prescribed Standard	None	None	None
First Max occurred at	2022-05-24	2022-05-18	2022-05-08
First Min occurred at	2022-05-14	2022-05-16	2022-05-22
Valid Data Points	31	31	31
Total Data Points	31	31	31
Data Availability %	100.0	100.0	100.0
Uncertainty	0	0	0
2022-05-01	6.45	4.33	0.17
2022-05-02	6.45	4.34	0.16
2022-05-03	6.44	4.34	0.16
2022-05-04	6.45	4.34	0.16
2022-05-05	6.45	4.34	0.17
2022-05-06	6.44	4.34	0.19
2022-05-07	6.45	4.34	0.18
2022-05-08	6.45	4.34	0.2
2022-05-09	6.44	4.33	0.2
2022-05-10	6.46	4.34	0.2
2022-05-11	6.45	4.34	0.19

Date (YYYY-MM-DD)	AAQMS_2 NOx (ug/m3) – Normalized U	AAQMS_2 NO (ug/m3) – Normalized U	AAQMS_2 CO (mg/m3) – Normalized U
2022-05-12	6.46	4.34	0.2
2022-05-13	6.44	4.34	0.18
2022-05-14	6.43	4.33	0.18
2022-05-15	6.44	4.33	0.18
2022-05-16	6.43	4.32	0.17
2022-05-17	6.44	4.34	0.17
2022-05-18	6.45	4.35	0.16
2022-05-19	6.46	4.35	0.19
2022-05-20	6.45	4.34	0.17
2022-05-21	6.45	4.33	0.16
2022-05-22	6.44	4.34	0.15
2022-05-23	6.46	4.35	0.15
2022-05-24	6.47	4.35	0.15
2022-05-25	6.45	4.35	0.2
2022-05-26	6.45	4.34	0.17
2022-05-27	6.44	4.33	0.16
2022-05-28	6.44	4.34	0.15
2022-05-29	6.45	4.34	0.15
2022-05-30	6.44	4.34	0.15
2022-05-31	6.45	4.35	0.16

Report Details: glersAdmin | 2022-06-01 11:20:50 | Heidelberg Cement India Limited

Data Report

FromTime : 01 May 2022 00:00:00 ToTime : 31 May 2022 23:59:59 Interval : hour

LS -Mines Patharia

Time	Diamond cements clinkerisation Unit--AAQMS1-PM10--µg/m3	Diamond cements clinkerisation Unit--AAQMS1-PM2.5--µg/m3	Diamond cements clinkerisation Unit--AAQMS1-SO2-µg/m3	Diamond cements clinkerisation Unit--AAQMS1-NO2--µg/m3	Diamond cements clinkerisation Unit--AAQMS1-CO--mg/m3
01 May 2022 00:00	44.99	21.6	29.11	10.42	0.04
01 May 2022 12:00	49.55	16.77	28.96	10.5	0.03
02 May 2022 00:00	52.63	21.28	29.22	10.43	0.03
02 May 2022 12:00	24.86	11.49	29.2	10.47	0.03
03 May 2022 00:00	52.45	19.09	29.39	10.38	0.03
03 May 2022 12:00	41.34	18.38	29.18	10.45	0.03
04 May 2022 00:00	47.91	20.1	29.4	10.52	0.03
04 May 2022 12:00	30.28	15.87	29.29	10.41	0.03
05 May 2022 00:00	43.64	20.6	29.19	10.49	0.04
05 May 2022 12:00	22.85	19.85	29.18	10.5	0.03
06 May 2022 00:00	19.45	19.93	29.49	10.53	0.04
06 May 2022 12:00	25.88	16.51	29.81	10.45	0.03
07 May 2022 00:00	53.73	26.2	40.61	10.19	0.03
07 May 2022 12:00	40.81	29.74	58.82	9.38	0.04
08 May 2022 00:00	37	21.97	52.65	9.7	0.04
08 May 2022 12:00	35.82	18.37	51.31	9.79	0.03
09 May 2022 00:00	16.02	17.47	29.69	10.59	0.04
09 May 2022 12:00	24.59		28.36	10.48	0.03
10 May 2022 00:00	15.63	0	30.08	10.53	0.03
10 May 2022 12:00	17.7	15.56	30.32	10.55	0.03
11 May 2022 00:00	38.2	18.6	31.14	10.47	0.03
11 May 2022 12:00	26.79	15.7	29.94	10.4	0.03
12 May 2022 00:00	15.21	15.18	31.37	10.41	0.03
12 May 2022 12:00	27.49	15.82	31.35	10.48	0.03
13 May 2022 00:00	42.08	20.45	30.84	10.57	0.03
13 May 2022 12:00	45.22	20.46	30.81	10.51	0.03
14 May 2022 00:00	35.75	19.62	31.04	10.45	0.03
14 May 2022 12:00	36.2	19.26	31.26	10.5	0.03
15 May 2022 00:00	39.71	21.64	31.26	10.54	0.03
15 May 2022 12:00	47.08	22.86	31.14	10.46	0.03
16 May 2022 00:00	41.43	20.56	31.15	10.46	0.03
16 May 2022 12:00	39.01	19.27	31.3	10.56	0.03
17 May 2022 00:00	41.79	22.75	30.92	10.46	0.03
17 May 2022 12:00	44.8	25.76	31.2	10.52	0.03
18 May 2022 00:00	54.92	28.4	31.11	10.49	0.03
18 May 2022 12:00	56.02	33.03	31.35	10.52	0.03
19 May 2022 00:00	65	34.37	31.43	10.55	0.03
19 May 2022 12:00	47.16	29.47	31.51	10.52	0.03
20 May 2022 00:00	61.86	28.96	31.57	10.6	0.03

20 May 2022 12:00	48.08	33.13	31.71	10.57	0.03
21 May 2022 00:00	60.8	33.74	31.68	10.58	0.03
21 May 2022 12:00	49.69	28.8	31.5	10.55	0.03
22 May 2022 00:00	62.54	26.51	31.63	10.54	0.03
22 May 2022 12:00	71.57	27.95	31.68	10.48	0.03
23 May 2022 00:00	39.09	32.59	31.76	10.49	0.03
23 May 2022 12:00	37.58	22.76	32.62	10.51	0.03
24 May 2022 00:00	7.19	7.37	33.87	10.55	0.03
24 May 2022 12:00	14.97	14.23	48.59	9.89	0.03
25 May 2022 00:00					
25 May 2022 12:00	14.4	11.5	30.65	10.48	0.04
26 May 2022 00:00	13.27	13.26	31.72	10.39	0.03
26 May 2022 12:00	24.24	15.38	31.14	10.55	0.03
27 May 2022 00:00	33.91	17.85	32.06	10.38	0.03
27 May 2022 12:00	18.86	14.01	32.32	10.42	0.03
28 May 2022 00:00	27.83	13.96	32.44	10.37	0.03
28 May 2022 12:00	25.23	15.82	32.05	10.53	0.03
29 May 2022 00:00	31.96	15.11	32.19	10.47	0.03
29 May 2022 12:00	31.82	22.47	31.83	10.48	0.03
30 May 2022 00:00	25.39	14.84	32.42	10.46	0.03
30 May 2022 12:00	28.88	22.83	31.9	10.48	0.03
31 May 2022 00:00	26.67	17.48	32.44	10.45	0.03
31 May 2022 12:00	22.54	19.4	32.47	10.54	0.02

Data Report

FromTime : 01 May 2022 00:00:00 ToTime : 31 May 2022 23:59:59 Interval : hour

Near Worker Colony

Time	Diamond cements clinkerisation Unit--AAQMS2-PM10--µg/m3	Diamond cements clinkerisation Unit--AAQMS2-PM2.5--µg/m3	Diamond cements clinkerisation Unit--AAQMS2-SO2-µg/m3	Diamond cements clinkerisation Unit--AAQMS2-NO2--µg/m3	Diamond cements clinkerisation Unit--AAQMS2-CO--mg/m3
01 Apr 2022 00:00	36.05	14	13.02	0	0.1
01 Apr 2022 12:00	41.97	10.69	13.11	0	0.09
02 Apr 2022 00:00	77.3	14.35	13.2	0	0.09
02 Apr 2022 12:00	34.62	7.99	13.38	0	0.09
03 Apr 2022 00:00	55.06	12.36	13.49	0	0.09
03 Apr 2022 12:00	63.93	13.15	13.49	0	0.08
04 Apr 2022 00:00	96.71	23.26	13.64	0	0.09
04 Apr 2022 12:00	37.85	13.98	13.57	0	0.09
05 Apr 2022 00:00	65.8	15.72	13.7	0	0.09
05 Apr 2022 12:00	73.95	18.6	13.76	0	0.08
06 Apr 2022 00:00	61.33	21.13	14.01	0	0.1
06 Apr 2022 12:00	84.87	17.63	14.16	0	0.09
07 Apr 2022 00:00	59.59	19.15	14.19	0.86	0.09
07 Apr 2022 12:00	86.29	27.53	13.91	6.63	0.09
08 Apr 2022 00:00	47.59	20.22	14.09	6.71	0.1
08 Apr 2022 12:00	48.7	18.36	13.89	6.61	0.09
09 Apr 2022 00:00	36.72	20.58	14.3	6.81	0.11
09 Apr 2022 12:00	57.46	16.85	14.11	6.71	0.09
10 Apr 2022 00:00	42.09	17.47	14.66	6.98	0.1
10 Apr 2022 12:00	60.64	14.11	15.82	7.55	0.09
11 Apr 2022 00:00	30.67	14.27	15.87	7.56	0.1
11 Apr 2022 12:00	48.14	15.2	24.22	11.53	0.09
12 Apr 2022 00:00	30.02	14.2	32.12	15.29	0.1
12 Apr 2022 12:00					
13 Apr 2022 00:00	20.4	10.8	16.62	8.03	0.21
13 Apr 2022 12:00	39.28	12.42	14.34	6.83	0.09
14 Apr 2022 00:00	25.8	13.88	14.3	6.8	0.09
14 Apr 2022 12:00	22.33	25.79	15.04	7.17	0.08
15 Apr 2022 00:00	25.69	14.3	15.46	7.37	0.08
15 Apr 2022 12:00	33.48	12.72	15.85	7.55	0.08
16 Apr 2022 00:00	29.9	12.1	17.56	8.36	0.08
16 Apr 2022 12:00	39.35	15.59	16.38	7.79	0.09
17 Apr 2022 00:00	27.14	14.42	16.99	8.1	0.08
17 Apr 2022 12:00	43.44	22.16	16.03	7.62	0.08
18 Apr 2022 00:00	39.67	16.49	16.49	7.85	0.08
18 Apr 2022 12:00	35.89	15.13	16.19	7.71	0.09
19 Apr 2022 00:00	36.85	18.17	16.04	7.63	0.09
19 Apr 2022 12:00	42.74	14.17	16.3	7.76	0.08
20 Apr 2022 00:00	37.79	16.51	15.88	7.56	0.09

20 Apr 2022 12:00	36.58	17.36	16.35	7.78	0.08
21 Apr 2022 00:00	45.08	17.55	16.56	10.01	0.09
21 Apr 2022 12:00	37.36	38.88	21.21	20.11	0.08
22 Apr 2022 00:00	58.74	17.84	20.05	17.72	0.08
22 Apr 2022 12:00	46.79	14.02	19.11	16.85	0.07
23 Apr 2022 00:00	26.16	18.36	20.72	18.27	0.08
23 Apr 2022 12:00	165.54	30.68	17.23	16.45	0.07
24 Apr 2022 00:00	14.24	7.11	15.25	16.38	0.07
24 Apr 2022 12:00	35.18	11.4	15.87	16.94	0.07
25 Apr 2022 00:00	21.7	10.51	16.08	17.19	0.07
25 Apr 2022 12:00	25.67	11.14	15.12	16.19	0.07
26 Apr 2022 00:00	24.73	12.11	16.51	17.86	0.08
26 Apr 2022 12:00	47.51	14.21	15.51	16.51	0.07
27 Apr 2022 00:00	41.55	16.93	17	18.15	0.08
27 Apr 2022 12:00	27.57	13.28	14.61	15.69	0.07
28 Apr 2022 00:00	27.51	11.6	15.56	16.61	0.07
28 Apr 2022 12:00	37.49	10.21	16.37	17.59	0.08
29 Apr 2022 00:00	56.46	12.21	17.06	18.35	0.08
29 Apr 2022 12:00	54.34	12.62	15.87	17.04	0.07
30 Apr 2022 00:00	42.24		15.79	16.81	0.07
30 Apr 2022 12:00	59.54	18.17	16.01	17.21	0.07
31 May 2022 00:00	48.63	15.6	17.54	18.77	0.08
31 May 2022 12:00	66.16	20.04	17.17	18.42	0.08

Data Report

FromTime : 01 May 2022 00:00:00 ToTime : 31 May 2022 23:59:59 Interval : hour

Near Hospital

Time	Diamond cements clinkerisation Unit--AAQMS3--PM-10--µg/m3	Diamond cements clinkerisation Unit--AAQMS3--PM-2.5--µg/m3	Diamond cements clinkerisation Unit--AAQMS3--CO--mg/m3	Diamond cements clinkerisation Unit--AAQMS3--NO2--µg/m3	Diamond cements clinkerisation Unit--AAQMS3--SO2--µg/m3
01 Apr 2022 00:00	32.84	16.6	0.38	5.86	13.66
01 Apr 2022 12:00	25.19	11.29	0.25	5.82	13.7
02 Apr 2022 00:00	61.98	16.5	0.29	5.79	13.76
02 Apr 2022 12:00	28.55	10.14	0.28	6.26	12.87
03 Apr 2022 00:00	37.19	14.56	0.32	6.09	13.62
03 Apr 2022 12:00	37.09	13.42	0.21	6	13.71
04 Apr 2022 00:00	41.28	15.49	0.29	5.95	13.37
04 Apr 2022 12:00	40.87	13.39	0.24	6.05	13.42
05 Apr 2022 00:00	40.19	14.64	0.32	6.02	13.77
05 Apr 2022 12:00	33.39	13.99	0.23	5.99	13.69
06 Apr 2022 00:00	30.41	16.26	0.36	5.93	13.55
06 Apr 2022 12:00	28.68	13.18	0.22	6.15	13.85
07 Apr 2022 00:00	29.36	17.68	0.29	5.61	13.7
07 Apr 2022 12:00	36.9	16.61	0.33	5.96	13.57
08 Apr 2022 00:00	52.66	18.92	0.47	6.16	13.52
08 Apr 2022 12:00	34.37	13.94	0.27	5.75	13.74
09 Apr 2022 00:00	28.17	19.67	0.41	6.05	13.73
09 Apr 2022 12:00	27.53	15.52	0.31	5.96	13.64
10 Apr 2022 00:00	24.7	17.87	0.44	5.95	13.64
10 Apr 2022 12:00	24.75	14.45	0.3	5.76	13.58
11 Apr 2022 00:00	22.26	14.31	0.37	6.02	13.61
11 Apr 2022 12:00	27.07	15	0.31	5.89	13.8
12 Apr 2022 00:00	26.06	15	0.44	6.01	13.77
12 Apr 2022 12:00	28.02	15	0.38	5.78	13.68
13 Apr 2022 00:00	31.13	15	0.42	5.79	13.73
13 Apr 2022 12:00	40.04	15	0.25	5.69	13.46
14 Apr 2022 00:00	37.82	15	0.43	5.79	14.07
14 Apr 2022 12:00	39.93	15	0.22	5.94	13.6
15 Apr 2022 00:00	32.27	15	0.32	6.01	13.52
15 Apr 2022 12:00	40.32	15	0.29	5.83	13.75
16 Apr 2022 00:00	43.62	15	0.28	5.89	13.79
16 Apr 2022 12:00	49.82	15	0.24	5.9	13.29
17 Apr 2022 00:00	58.47	15	0.25	5.7	13.82
17 Apr 2022 12:00	46.9	15	0.3	5.78	13.58
18 Apr 2022 00:00	39.46	15	0.23	5.69	13.74
18 Apr 2022 12:00	54.16	15	0.25	5.98	13.53
19 Apr 2022 00:00	46.05	15	0.39	6.01	13.63
19 Apr 2022 12:00	48.42	15	0.3	5.48	13.54
20 Apr 2022 00:00	41.71	15	0.39	5.97	13.48

20 Apr 2022 12:00	33.9	15	0.27	5.66	13.04
21 Apr 2022 00:00	51.25	15	0.26	6.11	13.4
21 Apr 2022 12:00	56.32	15	0.23	5.81	13.61
22 Apr 2022 00:00	76.86	15	0.2	5.99	13.54
22 Apr 2022 12:00	57.91	15	0.21	5.93	13.83
23 Apr 2022 00:00	28.75	15	0.24	5.97	13.33
23 Apr 2022 12:00	90.98	23.25	0.18	6.02	14.06
24 Apr 2022 00:00	32.92	25	0.19	5.9	14.8
24 Apr 2022 12:00	49.94	25	0.2	5.96	14.07
25 Apr 2022 00:00	76.99	25	0.29	5.88	14.88
25 Apr 2022 12:00	87.5	25	0.21	5.8	14.34
26 Apr 2022 00:00	75.59	23.83	0.3	6.04	14.31
26 Apr 2022 12:00	104.96	15	0.21	5.94	14.1
27 Apr 2022 00:00	75.83	15	0.3	5.62	14.57
27 Apr 2022 12:00	29.47	15	0.2	6.22	13.71
28 Apr 2022 00:00	27.82	15	0.24	6.16	14.13
28 Apr 2022 12:00	34.25	15	0.19	5.86	14.27
29 Apr 2022 00:00	42.49	15	0.23	5.96	14.17
29 Apr 2022 12:00	45.61	15	0.19	5.95	14.21
30 Apr 2022 00:00	39.74	15	0.21	6.08	14.04
30 Apr 2022 12:00	41.25	15	0.2	5.88	14.46
31 May 2022 00:00	44.83	15	0.26	5.82	14.66
31 May 2022 12:00	44.66	15	0.2	5.8	14.56

Detail of Water Consumption & Waste water Treated by HeidelbergCement India Limited, Damoh

Month- May -2022 Water Consumption (KL)

Diamond cements-Clinkerisation unit Narsingarh			
Month	Water consumption by Clinkerisation Unit	Water consumption by Waste Heat recovery Boiler (WHRB)	Water consumption for Plantation & Domestic purpose at colonies and water supply to nearby village area under CSR
May -22	23480	3309	91429

Diamond cements- Pathariya Lime Stone Mines (KL)

Month	Industrial Water Consumption	Water consumption for Plantation & Domestic purpose
May -22	8133	1827.8

Diamond Cements- Grinding Unit, Imlai (KL)

Month	Industrial Water Consumption	Water consumption for Plantation & Domestic purpose
May -22	3145	2522

Waste Water Treated (KL)

Month	STP (600 KLD) Clinkerisation unit, Narsingarh	STP (90 KLD) Grinding Unit, Imlai	Effluent water for WHRB
May -22	4528	401	928

DIAMOND CEMENTS - DAMOH

PERFORMANCE OF ESPs / BAG HOUSES

May-22

PCM ATTACHED TO	Plant Operation		PCM Operation		PCM	No. OF	% OF	Remarks
	Hrs.	Min	Hrs.	Min	Stoppage	ESP	ESP	
					Hrs.	Trippings	R.Hrs	
ESP To KILN NO. 1 + RAW MILL NO.1	77	50	77	50	0.000	0	100.000	
ESP To KILN NO. 2 + RAW MILL NO. 2	665	20	665	20	0.000	0	100.000	
REVERSE AIR BAG HOUSE(RABH) To KILN NO. 3 + RAW MILL NO. 3	484	19	484	19	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 1	74	20	74	20	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 2	649	50	649	50	0.000	0	100.000	
BAG HOUSE To COAL MILL NO. 3	453	2	453	2	0.000	0	100.000	
ESP To COOLER NO. 1	77	50	77	50	0.000	0	100.000	
ESP To COOLER NO. 2	665	20	665	19	0.017	1	99.997	
ESP To COOLER NO. 3	484	19	484	19	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 1	528	2	528	2	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 2	609	22	609	22	0.000	0	100.000	
BAG HOUSE To CEMENT MILL NO. 3	101	9	101	9	0.000	0	100.000	

DIAMOND CEMENTS DAMOH

Energy Meter Reading

Month : May - 22

S.No.	Location	Month	Consumption (KWH)	Remarks, If Any
Clinkerisation Unit Narsingarh				
1	Hybrid ESP For KILN/ RAW MILL NO.1	May-22	1312	
2	Hybrid ESP For KILN/ RAW MILL NO.2	May-22	9402	
3	RABH For KILN / RAW MILL NO. 3	May-22	225720	
4	ESP For COOLER NO. 1	May-22	3363	
5	ESP For COOLER NO. 2	May-22	17757	
6	ESP For COOLER NO. 3	May-22	16670	
7	BAG HOUSE For COAL MILL NO. 1	May-22	1661	
8	BAG HOUSE For COAL MILL NO. 2	May-22	142078	
9	BAG HOUSE For COAL MILL NO. 3	May-22	242830	
10	SEWAGE TREATMENT PLANT	May-22	6980	
Grinding Unit Imlai				
1	BAG HOUSE For CEMENT MILL NO. 1	May-22	9502	
2	BAG HOUSE For CEMENT MILL NO. 2	May-22	14648	
3	BAG HOUSE For CEMENT MILL NO. 3	May-22	6791.12	
4	SEWAGE TREATMENT PLANT	May-22	11300	


भारत का राजपत्र
The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

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पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 2 जून, 2016

का.आ. 1953(ब).—केन्द्रीय सरकार के साथ पठित पर्यावरण (संरक्षण) नियम, 1986 के नियम 10 पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 12 की उपधारा (1) के खंड (ख) और धारा 13 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए और भारत सरकार के तत्कालीन पर्यावरण और वन मंत्रालय की अधिसूचना सं. का.आ. 1174(अ), तारीख 18 जुलाई, 2007 में निम्नलिखित संशोधन और करती है, अर्थात्:—

उक्त अधिसूचना सं संलग्न तालिका में,—

(क) क्रम संख्यांक 5, 9, 13 से 15, 20, 79, 80 और 83 से 85 तथा उससे संबंधित प्रविष्टियों के स्थान पर निम्नलिखित क्रमशः क्रम संख्यांक और प्रविष्टियां रखी जाएंगी, अर्थात्:—

(1)	(2)	(3)	(4)
5	मैसर्स विमला लैब्स लिमिटेड 142 आई डी ए, फेस - 2, चेरालापल्ली, हैदराबाद, आंध्रप्रदेश-500051	(1) डा. सुब्बा रेड्डी मालामपति, (2) श्री एस वी श्रीनिवास रेड्डी, (3) श्री अरनूरी चन्ना रमेश कुमार	02.06.2016 से 01.06.2021
14	मैसर्स अश्वमेध इंजीनियर्स एंड कंसल्टैंट, सर्वे नं. 102, प्लाट सं. 26, बडाला पार्थरी रोड, इंदिरा नगर, नासिक, महाराष्ट्र - 422009	(1) सुधी अर्पणा मुनीज फारदे, (2) सुधी शाह सुभांगी प्रकाश कांवले (3) श्री निनांद अरविंद साउदानकर	02.06.2016 से 01.06.2021
20	मैसर्स पीपुलोन लेबोरेटरीज प्रा. लि., 544, वेमिलियम टावरस, रिंग रोड, सिनियर बस स्टैंड के पीछे, सूरत, गुजरात-395006	(1) डा. अरुण कुमार वाजपेई (2) श्री देवांग महुकर गांधी (3) श्री हर्शल महुकर गांधी	02.06.2016 से 01.06.2021
84	मैसर्स डेटाबस रीजिस्ट्रेशन प्रा. लि., 3 तल, के वी चैम्बरस, गुजरात समाचार प्रेस के पीछे, रिंग रोड, सूरत, गुजरात - 395002	(1) श्री अमीत बल कृष्णा रिजोस (2) श्री खासाकिया जितेंद्र कुमार दाहवाभाई (3) सुधी विव्यासश्री आर पटेल	02.06.2016 से 01.06.2021



8 दिसम्बर, 2010, का.आ.181 (अ) तारीख 28 जनवरी, 2011, का.आ. 692 (अ) तारीख 5 अप्रैल, 2011, का.आ. 1537(अ) तारीख 6 जुलाई, 2011, का.आ.1754 (अ) तारीख 28 जुलाई, 2011, का.आ. 2609 (अ) तारीख 22 नवम्बर, 2011, का.आ. 264 (अ) तारीख 13 फरवरी, 2012, का.आ. 1150 (अ) तारीख 22 मई, 2012, का.आ.2039 (अ) तारीख 5 सितम्बर, 2012, का.आ. 2802 (अ) तारीख 27 नवम्बर, 2012, का.आ. 2850 (अ) तारीख 7 दिसम्बर, 2012, का.आ.592 (अ) तारीख 8 मार्च, 2013, का.आ. 945 (अ) तारीख 8 अप्रैल, 2013, का.आ. 2287 (अ) तारीख 27 जुलाई, 2013, का.आ. 2288 (अ) तारीख 27 जुलाई, 2013, का.आ. 3489 (अ) तारीख 26 नवम्बर, 2013, का.आ. 21(अ) तारीख 3 जनवरी, 2014, का.आ. 561 (अ) तारीख 26 फरवरी, 2014, का.आ. 1205 (अ) तारीख 5 मई, 2014, का.आ. 1190 (अ) तारीख 2 मई, 2014, का.आ. 2003 (अ) तारीख 6 अगस्त, 2014, का.आ. (अ) तारीख, का.आ.137(अ) तारीख 12 जनवरी, 2015, का.आ. 1783 (अ) तारीख 30 जून, 2015 और का.आ. 2453 (अ) तारीख 7 सितम्बर, 2015 द्वारा उनका अन्तिम संशोधन किया गया।

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 2nd June, 2016

S.O. 1953(E).—In exercise of the powers conferred by clause (b) of sub-section (1) of section 12 and section 13 of the Environment (Protection) Act, 1986 (29 of 1986) read with rule 10 of the Environment (Protection) Rules, 1986, the Central Government hereby makes the following amendments further to amend the notification of the Government of India in the erstwhile Ministry of Environment and Forests, number S.O. 1174(E), dated the 18th July, 2007, namely :-

In the TABLE appended to the said notification,-

(a) for serial numbers 5, 9, 13 to 15, 20, 79, 80 and 83 to 85 and the entries relating thereto, the following serial numbers and entries shall respectively be substituted, namely:-

(1)	(2)	(3)	(4)
5	M/s Vimta Labs Limited, 142 IDA, Phase-II, Cherlapally, Hyderabad, Andhra Pradesh-500051;	(1) Dr. Subba Reddy Mallampati (2) Mr. S. V. Srinivas Reddy (3) Mr. Amuri Channa Ramesh Kumar	02.06.2016 to 01.06.2021
14	M/s Ashwamedh Engineers & Consultants, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nasik, Maharashtra - 422009;	(1) Ms. Aparna Sunil Pharande (2) Ms. Shah Shubhangi Prakash Kamble (3) Shri Ninad Arvind Soundankar	02.06.2016 to 01.06.2021
20	M/s Pollucon Laboratories Pvt. Ltd., 544, Belgium Towers, Ring Road, oppst. Linear Bus Stand, Surat, Gujarat - 395006;	(1) Dr. Arun Kumar Bajpai (2) Shri Devang Madhukar Gandhi (3) Shri Harshal Madhukar Gandhi	02.06.2016 to 01.06.2021
84	M/s Detox Corporation Pvt. Ltd, 3rd Floor, K.G Chambers, Opp. Gujarat Samachar Press, Ring Road, Surat Gujarat - 395002;	(1) Shri Amit Bal Krishna Renose (2) Shri Khasakia Jitender Kumar Dahyabhai (3) Ms. Divyalexmi R. Patil	02.06.2016 to 01.06.2021
79	M/s SV Enviro Labs & Consultants, B 1, Block- B, IDA, Auto Nagar Visakhapatnam, Andhra Pradesh - 530012;	(1) Ms. Divya Chelluri (2) Shri Garuda Ramoji (3) Shri Murali Krishna Malasani	02.06.2016 to 01.06.2021
80	M/s Ultra-Tech Environmental Consultancy & Laboratory, 93 A, G.V. Brothers Building No. 2, Bata Compound, Eastern Express Highway, Near Flower Valley, Khopat, Thane (W), Maharashtra - 400601;	(1) Dr. Rahul Kolhapurkar (2) Shri Kishore Savant (3) Dr. Tarun Kanti Ghosh	02.06.2016 to 01.06.2021
13	M/s Gadark Lab Pvt. Ltd., Plot No. H-54, Additional M.I.D.C., Post- Nerme Dewoolwada, Taluka - Kudal, District Sindhudurg, Maharashtra - 416525;	(1) Shri Shant Bhaskar Gawde (2) Shri Kailash Vasant Chitalkar (3) Shri Uthas Giridhar Gaokar	02.06.2016 to 01.06.2021



9	M/s Sophisticated Industrial Materials Analytic Labs Pvt. Ltd., A-3/7, Mayapuri Industrial Area, Phase-II, New Delhi-110064;	(1) Ms. B. Lalitha (2) Shri A.K. Pramanik (3) Dr. N. S. Meitei	02.06.2016 to 01.06.2021
15	M/s AES Laboratories Pvt. Ltd., B-118, Phase-II, Noida, Uttar Pradesh - 201304;	(1) Shri Jitendra Gupta (2) Shri Biswajit Biswal (3) Ms. Babita Dharwal	02.06.2016 to 01.06.2021
83	M/s Haryana Test House & Consultancy Services, 50-C, Sector-25, Part-II, Huda, Panipat, Haryana -132104;	(1) Shri Deepak Kumar (2) Shri Laxmi Kant Bhardwaj (3) Shri Vijay Saini	02.06.2016 to 01.06.2021
85	M/s Sophisticated Analytical Instruments Labora Society, Thapar Technology, Campus, Bhadson Road, Patiala, Punjab-147004;	(1) Shri Sandip Chandra (2) Shri Mukesh Chand Agarwal (3) Shri Sourabh Halder	02.06.2016 to 01.06.2021

(b) after serial number 127 and the entries relating thereto, the following serial number and entries shall be inserted, namely :-

(1)	(2)	(3)	(4)
128	M/s Envomin Consultant Pvt. Ltd, plot No.3054/9625, Saptasati Vihar, Pundra, Bhubaneswar, Odisha - 751010;	(1) Mr. Debasish Gouda (2) Mr. Biswaranjan Dhal (3) Mr. Suvendu Padhi	02.06.2016 to 01.06.2021
129	M/s Shivalik Solid Waste Management Limited, Village-Majra, Post Office -Dabhota, Tehsil- Nahargarh, District-Solan, Himachal Pradesh;	(1) Mr. Sanjay Sharma (2) Mr. Sunil Katoch (3) Ms. Daksha Gupta	02.06.2016 to 01.06.2021
130	M/s CEG Test House and Research Centre Pvt. Ltd., B- 11(G), Malviya Industrial Area, Jaipur, Rajasthan- 302017;	(1) Dr. Renu Jain (2) Dr. Om Prakash Shukla (3) Dr. Rai Singh	02.06.2016 to 01.06.2021
131	M/s JV Analytical Services, 40/A, 2nd and 3rd floor, Samay Apartment, Bha Putil Road, Bopodi, Pune, Maharashtra-411020;	(1) Dr. Vibhute Chandrashekhar Panchakshari (2) Dr. Dilip Madhukar Sathe (3) Ms. Rupali Sambhaji Shripati Chandrekar	02.06.2016 to 01.06.2021
132	M/s Chennai Testing Laboratory Private Limited, A Super 19, T.V.K. Industrial Estate, Gundy, Chennai-600032;	(1) Mr. A. Rajkumar (2) Mr. K. Spundira Pandian (3) Mr. N. Rajendra Kumar	02.06.2016 to 01.06.2021
133	M/s Centre for Envotech & Management Consultancy Pvt. Ltd. Plot No. 800/1274, Johal Pahal, Bhubaneswar, Odisha - 751015;	(1) Dr. Bidyut Kumar Patra (2) Mr. Tribikram Sahu (3) Ms. Mitali Rout	02.06.2016 to 01.06.2021
134	M/s Envirotech Services, G -232, M.G. Road Industrial Area, Hapur, Ghaziabad, Uttar Pradesh;	(1) Shri Saeed Anwar (2) Shri Md. Humraj (3) Shri Sanjay Singh Tomar	02.06.2016 to 01.06.2021
135	M/s Environmental Health and Safety Research & Development Centre Unit- II, Plot No. 457, Kanabargi Industrial Area, Auto Nagar, Belgaum, Karnataka- 590015;	(1) Shri Madhu Kumar C (2) Shri Bhairappa Chougule (3) Shri Sanbosh Kumar T.M.	02.06.2016 to 01.06.2021
136	M/s Universal Analytical Lab, Opp. Sec 4 A Near Krishna TVS Sohna Road, Dharuhera, Rewari, Haryana- 123106;	(1) Shri Balwan Singh (2) Shri Vinay Dixit (3) Shri Ajeet Singh	02.06.2016 to 01.06.2021
137	M/s Enviro Care India Private Limited, No. 43, Second street, Harvey Nagar, Madurai, Tamil Nadu- 625016;	(1) Shri G. Marimuthu (2) Dr. S. Rajamohan (3) Shri K. Ramesh	02.06.2016 to 01.06.2021



138	M/s Food, Hygiene & Health Laboratory, A-607-613, 5th Floor & A- 512-513, 4 th Floor Mega Centre, Magarpatta, Solapur Road, Hadapsar, Pune, Maharashtra - 411013;	(1) Shri Rohan Deshpande (2) Ms. Seema Satish Bakde (3) Ms. Sushma Mahesh Thorat	02.06.2016 to 01.06.2021
139	M/s Ganesh Consultancy and Analytical Services 294 A, Hebbal Industrial Area Mysore, Karnataka - 570016;	(1) Shri B.S. Subhash (2) Shri P.M. Ravi Kumar (3) Shri A. P. Ananda	02.06.2016 to 01.06.2021
140	M/s Miira S. K. Private Limited, P-48, Udyan Industrial Estate, 3, Pagladanga Road, Kolkata, West Bengal - 700015;	(1) Ms. Mounumi Sen Gupta (2) Ms. Nandita Das (3) Shri Sudip Mukhaty	02.06.2016 to 01.06.2021
141	M/s Savant Envitech Pvt. Ltd., Plot no. 203, H. No. 5-36/203, Prashanthinagar, Kukatpally IDA, Hyderabad, Andhra Pradesh - 500072;	(1) Shri V. Alluriah (2) Smt. Shaga Lakumadevi (3) Shri P. Hari Prasad	02.06.2016 to 01.06.2021
142	M/s Wolkem India Limited (Environment and Chemical Laboratory), E-102, Mewar Industrial Area, Madri, P.B. No. 21, Udaipur Rajasthan - 313003;	(1) Dr. Sanjeev Kumar Yadav (2) Shri Vikram Regar (3) Shri Dinesh Kumar Kumawat	02.06.2016 to 01.06.2021
143	M/s Arihant Analytical Laboratory Pvt. Ltd., 272 Sec-57, Phase- IV, HSIDC-Kundli, District- Sonapat, Haryana-131028;	(1) Shri Birendra Singh Rajwar (2) Shri Ashutosh Srivastava (3) Mrs. Vandana Mishra	02.06.2016 to 01.06.2021";

[F. No. Q-15018/07/2003-CPW]

Dr. MANORANJAN HOTA, Advisor

Note.- The principal notification was published in the Gazette of India, Extraordinary vide number S.O. 1174(E), dated the 18th July, 2007 and subsequently amended vide notification numbers S.O. 1539 (E), dated the 13th September, 2007, S.O. 1811(E), dated the 24th October, 2007, S.O.55(E), dated 9th January, 2008, S.O. 428(E), dated the 4th March, 2008, S.O.865(E) dated the 11th April, 2008, S.O.1894(E) dated the 31st July, 2008, S.O.2728(E) dated the 25th November, 2008, S.O.1356(E) dated the 27th May, 2009, S.O. 1802(E) dated the 22nd July, 2009, S.O. 2399(E), dated the 18th September, 2009, S.O. 3122(E), dated the 7th December, 2009, S.O. 3123(E), dated the 7th December, 2009, S.O.No. 142(E), dated the 21st January, 2010, S.O. 619(E), 19th March, 2010, S.O. 1662(E) dated the 13rd July, 2010, S.O. 2390(E), dated the 30th September, 2010, S.O. 2904(E), dated the 8th December, 2010, S.O. 181(E), dated the 28th January, 2011, S.O. 692(E), dated the 5th April, 2011, S.O. 1537(E), dated the 6th July, 2011, S.O. 1754(E), dated the 28th July, 2011 S.O. 2609 (E) dated the 22nd November, 2011, S.O. 264 (E), dated the 13 February, 2012, S.O. 1150(E), dated the 22nd May, 2012, S.O. 2039(E), dated the 5th September, 2012, S.O. 2802(E) dated the 27 th November, 2012, S.O. 2850(E), dated the 7th December, 2012, S.O. 592(E), dated the 8th March, 2013. S.O. 945(E), dated the 8th April, 2013, S.O. 2287(E), dated the 27th July, 2013, S.O. 2288(E), dated the 27th July, 2013, S.O. 3489(E) dated the 26th November, 2013, S.O. 21(E), dated 3rd January, 2014 and S.O. 561(E), the 26th February, 2014, S.O.1205(E), the 5th May, 2014, S.O. 1190(E), the 2nd May, 2014, S.O. 2003(E), the 6th August, 2014, S.O. 137(E), the 12th January, 2015, S.O. 1783(E), the 30th June, 2015 and S.O. 2453(E), the 7th September, 2015.





**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

VIMTA LABS LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

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

for its facilities at

LIFE SCIENCES FACILITY, PLOT NO. 5, M.N.PARK, GENOME VALLEY, SHAMIRPET, HYDERABAD,
MEDCHAL, TELANGANA, INDIA

in the field of

TESTING

Certificate Number: TC-5418

Issue Date: 31/03/2019

Valid Until:

30/03/2021

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



N. Venkateswaran
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