

**HeidelbergCement India Limited**

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Village and P. O. Narsingarh  
District Damoh,  
Madhya Pradesh 470675  
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**HCIL(NGH)-ENV/2023/51**

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

**Date; 15.09.2023**  
Th; E-mail & XGN Upload

**Sub.: Submission of Environment Statement Report (Form -V) for the period from Apr 2022 to Mar 2023 by M/s. Diamond Cements – Patharia Limestone Mines 1247.267 Hac (Prop. HeidelbergCement India Ltd.) Village Satpara Tah; Patharia Dist. Damoh– 470 675 (M.P.)**

Dear Sir,

Please find enclosed herewith the Environment Statement Report (Form-V) of M/s. Diamond Cements – Patharia Limestone Mines 1247.267 Hac (Prop. HeidelbergCement India Ltd.) Village Satpara Tah; Patharia Distt. Damoh– 470 675 (M.P.)

This is submitted for your kind perusal please.

Thanking you with regards,  
For M/s **Diamond Cements (Prop: Heidelberg Cement India Ltd.)**



**Ashok Tiwari**  
**Head Environment (Unit Narsingarh, Damoh M.P.)**

**Copy To:**

1. The Zonal Officer (Central),  
Central Pollution Control Board,  
Parivesh Bhawan , Paryavaran Parisar, E-5 , Arera Colony,  
Bhopal, Madhya Pradesh 462016
2. The Regional Officer  
M.P Pollution Control Board,  
Deen Dayal Nagar, Housing Board Colony, Sagar (MP)
3. Office Copy

**Encl: As above**

**ENVIRONMENT STATEMENT REPORT**

**(FORM-V)**

**[YEAR 2022 - 2023]**

**REPORT BY**

**HEIDELBERGCEMENT**

**M/s. Diamond Cements – Patharia Limestone  
Mines 1247.267 Hac  
(Prop. HeidelbergCement India Ltd.)  
Village - Satpara Tah; Patharia  
Dist. Damoh - 470 675 (M.P.)**

**M/s. Diamond Cements – Patharia Limestone Mines 1247.267 Hac (Prop. HeidelbergCement India Ltd.)**  
**Village – Satpara, Tah; Patharia Dist. Damoh - 470 675 (M.P.)**  
**(For the Financial year ending 31<sup>st</sup> March 2023)**

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**ANNEXURES**

<b>S.No.</b>	<b>Annexure</b>	<b>Details</b>
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**AWARENESS PROGRAMME**

<b>S. No.</b>	<b>Type</b>	<b>Details</b>
1	Annexure-6	Water Consumption Report for FY 2022-23
2	Annexure-7	Celebration of World Water Day 2023
3	Annexure-8	Celebration of Lifestyle for Environment

***mycem*****HEIDELBERGCEMENT**

## INTEGRATED MANAGEMENT SYSTEM POLICY

We, at Heidelberg Cement India Limited are fully committed towards customer satisfaction, environmental protection, providing healthy & safe work environment to all concerned and our endeavour is to:

- Produce cement much better than the applicable standards to satisfy the customer needs.
- Comply with all applicable legal, social and other requirements.
- Involve and train human resource to upgrade their skills in all areas including safety.
- Regularly set and review objectives and targets for continual improvement in quality, productivity, work environment and health & safety performance.
- Prevention of pollution.
- Prevention in occupational injuries and ill health.

This policy has been communicated to all the employees and is also available to the public and interested parties on demand.

-sd-

Date: 15<sup>th</sup> April 2013

CEO & Managing Director

**INTRODUCTION**

HeidelbergCement India Limited is a subsidiary of HeidelbergCement Group, Germany. The Company has its operations in Central India at Damoh (Madhya Pradesh), Jhansi (Uttar Pradesh) and in Southern India at Ammasandra (Karnataka). The Company entered India in 2006 with less than 3-million-ton capacity. Recently the company increased its Capacity from 5.4 million tons to 6.26 million tons in 2020. M/s Diamond Cements (Prop: HeidelbergCement India Ltd) is presently producing 3.1 million metric tonnes per annum (MTPA) of clinker at its unit located at Narsingarh, in Damoh district of Madhya Pradesh. The clinker is produced in three Clinker Lines (Line 1, 2 and 3). HeidelbergCement India limited is committed to excel Environmental Sustainability by putting all engineering the best efforts to prevent environmental degradation, minimize the waste generation, resource conservation and reutilization of waste.

Man is a part of nature, and not separate or independent; at the same time, man is unique in the influence he has over nature. Man derives all his food, clothing, shelter, and other amenities from nature. In that process, if he does not take care to protect and cherish nature, but decrease or destroys, he will find that his own life and that of his children is in jeopardy. In the words of our late Prime Minister, Mrs. Indira Gandhi “It is said that, in country after country, progress should become synonymous with an assault on nature. The higher standard of living must be achieved without alienating our people from their heritage and without despoiling of its beauty, freshness and purity essential to our lives.” The environment is now catch for all, the industry, the government, the people. Hence, it is joint responsibility to protect, preserve the environment and avoid the perishing the natural treasures. At this critical junction of time and efforts, the Indian industry has fulfilled its commitment in maintaining the environmental integrity. The next few pages of this Environment Statement Report (ESR) of HeidelbergCement India Limited is based on factual data and verified record, will present a picture of more optimism for environmental care than ever before.

## ENVIRONMENTAL STATEMENT REPORT

[FORM-V]

(See rule 14)

### PART-A

(i)	Name and address of the owner/ occupier: of the industry, operation, or process	Mr. Sunil Kumar (Sr. Vice President- Unit Head) Diamond Cements – Patharia Limestone Mines 1247.267 Hac (Prop. HeidelbergCement India Ltd.) Village Satpara Tah; Patharia Dist. Damoh (M.P.) – 470 675
(ii)	Industry category	Large Scale- Lime Stone Mines
(iii)	Production capacity	4.5 million Ton/Annum
(iv)	Year of establishment	1993
(vi)	Date of the last Environmental statement submitted	28 <sup>th</sup> Sep 2022

### PART-B

#### Water and Raw Material Consumption

(I) Water consumption m<sup>3</sup>/d

Process & Cooling (M <sup>3</sup> /D)	241.5	Water quantity Added from all process i.e spraying, green belt and crusher.
Domestic (M <sup>3</sup> /D)	36.3	Including tanker water village supply

Name of products	Process water consumption per unit of products output	
	During the previous financial year	During the current financial year
	(1)	(2)

Limestone	0.0227 KL/MT	0.0252 KL/MT
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**(ii) Raw material consumption**

* Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (%)	During the current financial year (%)
Since limestone itself is a mined raw material and not the product, this is not applicable.			

**PART-C**

(i) Pollutants	Quantity of pollution discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Air	Ambient Air Quality Monitoring Report attached as <b>Annexure-1</b>		
(b) Stack Emission	Stack Emission Monitoring Report attached as <b>Annexure-2</b>		

**CRUSHER DETAILS**

Material of construction (Stack/ Duct) : M.S.

Stack attached to : Bag House of Crusher

Stack Height above the ground level : 30 M

Inside diameter of stack : 1.5 m





**PART-D  
Hazardous Wastes**

[as specified under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008]

Hazardous Wastes		Total Quantity (kg) disposed	
		During the Previous Financial year (MT)	During the Current Financial year (MT)
(a) From Process	(a) Spent/ Used Oil (Category 5.1)	12.223	8.516
	(b) Residue containing waste oil (Category 5.2)	0.380	0.360
(b) From Pollution control Facilities	N.A.	N.A.	N.A.

\* Hazardous waste is not generated from mining process. However, this waste is being generated from hydraulic movement of machines, oiling/ greasing etc., which is being sold to MPPCB registered recycler.

**PART-E  
Solid Wastes**

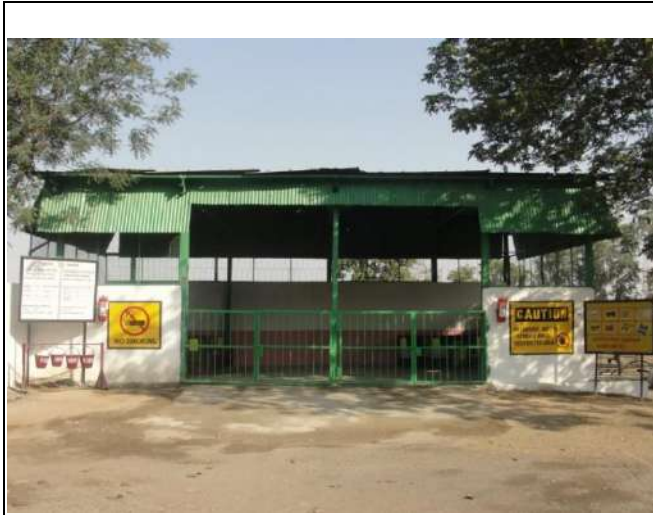
	Total Quantity (Solid waste) disposed	
	During the previous financial year (%)	During the current financial year (%)
(a) From process	N.A.	N.A.
(b) From pollution control facility	N.A.	N.A.
(c) Quantity recycled or re-utilized	N.A.	N.A.
	Total Quantity (E- waste) disposed	
	During the previous financial year (MT)	During the current financial year (MT)
(a) *From Plant & Mines	5	2.260

\* E-waste generation common (included Clinker Plant, Grinding unit & Patharia Mines).

**PART-F**

Please specify the characteristics (in terms of composition of quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Hazardous waste details given in Part –D.
2. Hazardous waste is being sold to registered recycler.
3. We have separate storage yard for Hazardous waste as well as other type of waste.



**Hazardous waste Storage Yard for Category 5.1 & 5.2**



**Separate Storage yard for different type of waste such as filter bag, Glass, Used Batteries, E-waste, Turning Metals etc.**



**Training cum Mock drill on Hazardous Waste handling**



**Used Oil and Grease spill trapping, by using all necessary PPEs**

**PART- G**

<p>Impact of pollution abatement measures taken on conservation of natural resources and on the cost of production.</p>	<p>Bag House along with stack provided at Crusher. Other Pollution control measures like plantation / water sprinkling have already been taken at all the points.</p> <p>22 Km long covered OLBC (Overland Belt conveyor) is provided for transportation of Crushed limestone from L/S Mines to Clinker plant, Narsingarh, which is a eco-friendly technology. Dust collectors are provided at all the transfer points of OLBC.</p>
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**PART-H**

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

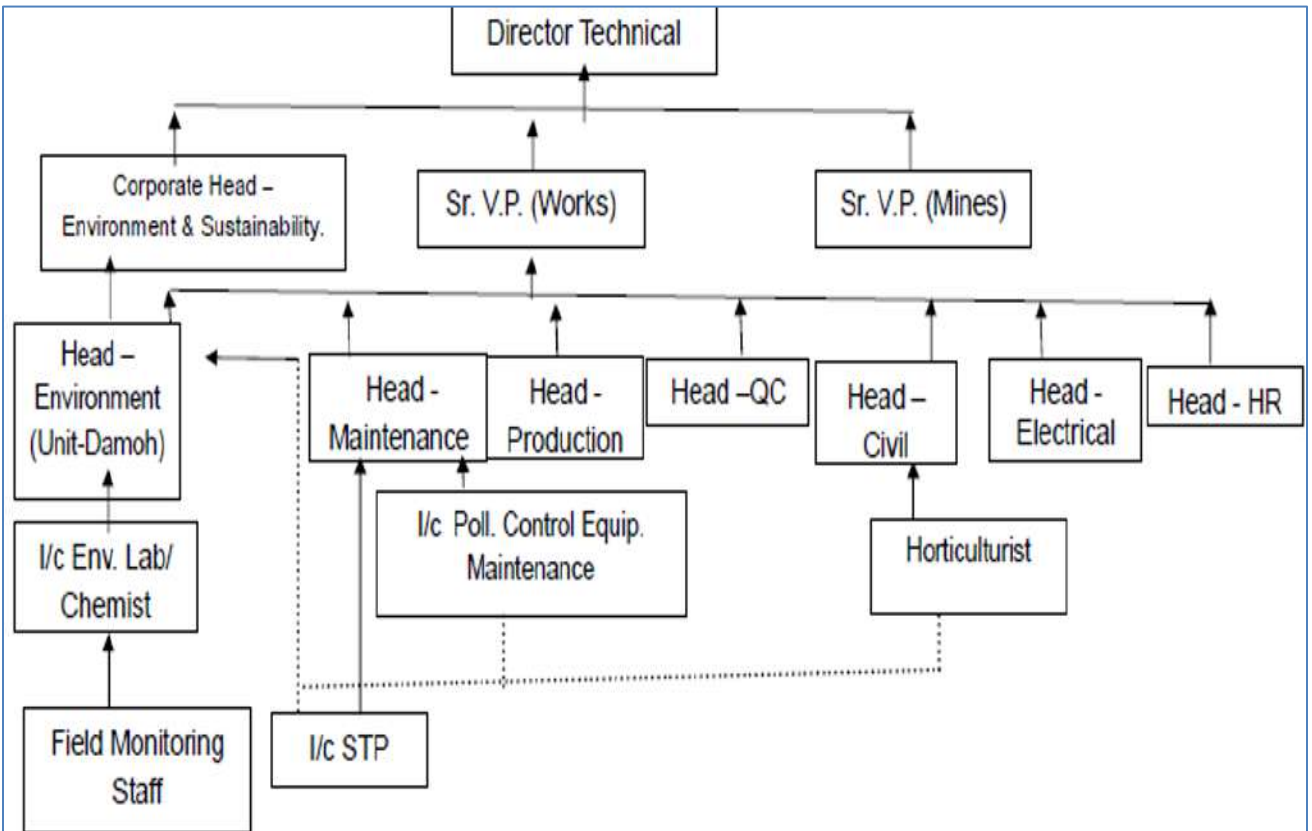
Continuous efforts are always being made to maintain the clean environment.

**EXPENDITURE ON ENVIRONMENT MANAGEMENT INCURRED IN 2022-23 AND PROPOSED FOR 2023-24**

S. NO.	DETAILS	COST RS. LAKHS (APPROX) IN 2022-23	COST RS. LAKHS (APPROX) PROPOSED FOR 2023-24
1	Stack and Ambient Air Quality Monitoring (Including Clinkerisation Unit Narsingarh, Lime Stone Mines Narsingarh & Lime Stone Mines Patharia)	9.64	10.0
2	Pollution control at Patharia Mines i.e. Water sprinkling on haul road etc.	16.72	18.0
3	Water sprinkling at screen plant/ crusher	6.32	8.0
4	Plantation and green belt development	37.37	40
5	Bag filter operation cost	4.98	8.0
6	Power consumption for running Pollution control devices	59.01	65.0

## Part - I

### Organization Structure



## Facilities available in Environment Laboratory at Diamond Cements (Prop. HeidelbergCement India Ltd.)

(Env. Lab. is Common for Clinkerization unit, Grinding unit & Mines)

Sl. No.	Instrument Name	Quantity
1	Worktable & Chair (set)	1
2	Respirable Dust Sampler (R.D.S.)	4
3	Fine Dust Sampler	4
4	Stack Monitoring Kit	1
5	NOx assembly	1
6	Digital Barometer	1
7	Noise Meter	1
8	Personal Sampler	2
9	Spectrophotometer	1
10	Weighing Balance	2
11	Kit (EC & Temp. )	1
12	pH Meter	1
13	Oven	1
14	Water Bath	1
15	Desiccator	1
16	Hot Plat	1
17	Refrigerator	1
18	Computers	1
19	Online Monitoring System	
A	CAAQMS	3
B	CEMS-Gaseous	3
C	CEMS-PM	9
20	Chemicals, Glasswares and Consumables	-



**Environmental Laboratory at Diamond Cements  
(Prop. HeidelbergCement India Ltd.)**



**Continuous Ambient Air Quality Monitoring station at  
Patharia Mines**

## Annex-1

### Ambient Air Quality Report (in $\mu\text{g}/\text{m}^3$ )

Month	Near Main Office					Near Back Filling Area					Near Mine Pit					Near Temple				
	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )
Apr-22	35	51	8	11	305	42	56	8	12	352	41	58	7	11	340	33	52	7	10	305
May-22	36	53	8	11	340	41	59	8	12	347	37	62	7	12	327	35	51	7	11	327
Jun-22	31	48	8	11	347	35	50	8	12	359	32	48	7	12	357	31	44	8	11	377
Jul-22	16	29	7	11	367	19	31	8	12	357	19	31	8	12	355	22	28	7	11	387
Aug-22	19	28	6	9	290	18	29	6	10	284	16	29	6	11	298	14	24	6	10	299
Sep-22	15	32	7	10	325	19	33	8	11	349	17	30	7	11	342	16	28	7	10	315
Oct-22	17	33	7	11	340	20	36	7	13	384	19	32	7	12	358	18	31	7	12	344
Nov-22	30	41	8	13	404	36	47	8	13	432	38	42	7	13	419	31	40	8	12	440
Dec-22	30	41	8	13	427	36	47	8	13	444	38	44	8	13	435	31	40	8	13	435
Jan-23	31	48	8	13	430	35	52	8	14	457	34	48	8	13	427	30	48	8	12	440
Feb-23	32	49	8	14	483	37	54	8	14	490	35	51	8	14	483	32	49	8	14	483
Mar-23	32	48	8	15	482	36	52	8	15	477	35	50	8	14	482	32	49	8	14	479
Min	15	28	6	9	290	18	29	6	10	284	16	29	6	11	298	14	24	6	10	299
Max	36	53	8	15	483	42	59	8	15	490	41	62	8	14	483	35	52	8	14	483
Avg	27	42	7	12	378	31	45	8	13	394	30	44	7	12	385	27	40	7	12	386

## Stack Monitoring Report

Month	Patharia Mines Crusher
	PM (mg/Nm <sup>3</sup> )
Apr-22	28.6
May-22	29
Jun-22	27.4
Jul-22	28
Aug-22	28.5
Sep-22	29
Oct-22	27.8
Nov-22	28.6
Dec-22	26.5
Jan-23	28.8
Feb-23	27.7
Mar-23	26.3
Min	26
Max	29
Average	28

## Ambient Noise Level Monitoring Report

Location→	Near Main Office		Near Back Filling Area		Near Mine Pit		Near Temple	
Month↓	Day Leq db(A)	Night Leq db(A)	Day Leq db(A)	Night Leq db(A)	Day Leq db(A)	Night Leq db(A)	Day Leq db(A)	Night Leq db(A)
Apr-22	60.5	53.7	55.6	50.2	62.6	58.4	64.3	61.6
May-22	61.4	55.7	56.2	50.5	57.3	51.8	63.2	56.4
Jun-22	60.4	53.6	55.8	51.0	56.5	50.8	61.9	55.2
Jul-22	61.7	56.1	57.0	52.3	58.5	50.9	63.3	56.7
Aug-22	60.9	55.5	56.2	50.7	57.8	48.4	62.2	54.2
Sep-22	62.6	54.7	58.1	49.3	56.9	47.8	61.7	52.5
Oct-22	58.3	51.5	54.5	49.6	56.4	47.1	64.0	59.6
Nov-22	57.1	50.4	58.3	47.3	60.4	49.0	64.0	59.6
Dec-22	60.9	56.0	62.4	49.6	65.7	50.2	61.5	56.7
Jan-23	59.5	54.2	60.1	50.4	55.3	49.9	62.6	58.8
Feb-23	63.5	53.1	61.7	52.6	58.2	47.4	64.1	59.2
Mar-23	62.1	56.6	64.3	53.2	57.5	48.8	62.7	58.0
Avg	60.74	54.26	58.35	50.56	58.59	50.04	62.96	57.38

**Details of Pollution Control Measures**

**LIST OF BAG FILTER OF OLBC & SILO/ HOPPERS**

S. No	Location of air pollution control equipment (main equipment/ transfer point)	Type of air pollution control equipment (Bag House/ Dust Collector)
<b>Patharia</b>		
1	BF 1 at Crusher discharge	Bag House
<b>Patharia Crushing Plant (PTH)</b>		
1	BF 2 at Reject screen house	Dust collector
2	BF 3 at Transfer tower 1	Dust collector
3	BF 4 at Loading silos	Dust collector
4	BF 5 at Loading silos	Dust collector
5	BF 6 at Loading silos	Dust collector
6	BF 7 at Loading silos	Dust collector
7	BF 8 at Transfer tower 2	Dust collector
<b>Overland Belt Conveyor (OLBC)</b>		
1	BF-1 at Transfer Tower-1	Dust collector
2	BF-2 Transfer Tower-2	Dust collector
3	BF-3 Transfer Tower-3	Dust collector
4	BF-4 at Loading Silo	Dust collector
5	BF-5 at Loading Silo	Dust collector
6	BF-6 at Loading Silo	Dust collector



### Year wise plantation Details

Plantation details at Patharia Lime Stone Mine

Year	Plantation at Patharia L/M
2010-11	5500
2011-12	2000
2012-13	4000
2013-14	8500
2014-15	10000
2015-16	10000
2016-17	9000
2017-18	8000
2018-19	8500
2019-20	8000
2020-21	8250
2021-22	8100
2022-23	6000

Major planted trees in LSM Patharia are Neem (Azadirachta indica), Sheesham (Dalbergia sissoo), Gulmohar(Delonix regia),Bamboo, Peltrafarm,Dubai tree etc.

### Water Consumption Report for FY 2022-23

Month	Industrial Water Consumption (KL)	Domestic Water Consumption (KL)
Apr-22	7729	1960
May-22	8629	1332
Jun-22	7759	1178
Jul-22	6304	1003
Aug-22	7042	1248
Sep-22	7107	1010
Oct-22	7520	1170
Nov-22	7362	1210
Dec-22	7200	1141
Jan-23	7903	756
Feb-23	6663	674
Mar-23	6910	560

### Celebration of World Water Day

M/s HeidelbergCement India Ltd celebrated World Water Day at Damoh location on 22 March 2023. The Programme was inaugurated by Mr. Sunil Kumar Head Works and other senior management at all three locations i.e. Clinkerization Unit Narsingarh, Patharia Lime stone Mines and Imlai Grinding Unit. During the celebration All the employees and workers participated with full enthusiasm.

**1. M/s. Diamond Cements (Prop: Heidelberg Cement India Ltd.), Unit, Narsingarh (including WHRPP).**

World Water Day is held annually on 22 March as a means of focusing attention on the importance of freshwater and define approach for the sustainable management of freshwater resources. The Program was organised by Narsingarh Plant Environment Cell with the support of Technical team in Plant premise. The program started with awareness session on the importance of water conservation followed by Quiz Competition and award to the workmen for their contribution on water management. Global water withdrawal demand is projected to increase by 55 per cent by 2050 (as per OECD report) it is the right time to spread awareness on this issue. Mr. Akhilesh Tamrakar communicated water conservation tips to all all employee and workers and how we can reduce our own water requirement. Mr. Sudhir Nema maken very interesting to session through sharing water crises stories.







## **2. M/s. Diamond Cements (Prop: Heidelberg Cement India Ltd.), Grinding Unit, Imlai.**

World Water Day celebrated at HeidelbergCement, Imlai Grinding Unit with full of enthusiasm. The main purpose of celebration is spread awareness amongst our employee and workers. If we talk about globally core focus of World Water Day is to support the achievement of Sustainable Development Goal 6: water and sanitation for all by 2030. World Water Day is held annually on 22 March as a means of focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources. The theme for World Water Day 2023 is 'Accelerating Change.' World Water Day aims to address the sustainable management of water. Mr. Umesh Verma Communicated message regarding three top measures of water conservation as well as how we can improve our day-to-day habits such as vehicle washing through bucket, Using of flow controller etc. Maximum employee with workers delivers their experience related to water crises and make programme more interesting. All employees and worker taken pledge to conserve water for future. Programme was concluded through appreciation to winners.





**3. M/s. Diamond Cements (Prop: Heidelberg Cement India Ltd.), Limestone Mines, Patharia.**

"World Water Day 2023 Celebration HeidelbergCement, Patharia Limestone Mines" with full of enthusiasm. The resolution to observe World Water Day was first adopted by the UN General Assembly on December 22, 1992, after which March 22 was declared as World Water Day and is celebrated around the world since then. Mr. Dayashankar Vyash communicated to all participants regarding importance of water Mr. Vyas said water is life it plays an important role to keep a normal temperature. Lubricate and cushion joints. Protect your spinal cord and other sensitive tissues. Get rid of wastes through urination, perspiration, and bowel movements. Water travels throughout your body carrying nutrients, oxygen, and wastes to and from your cells and organs. Water keeps your body cool as part of your body's temperature regulating system. Water cushions your joints, and protects your tissues and organs from shock and damage. Mr. Ashok Sahu delivered a massage regarding why need to celebrate water day. Mr. Abhishek Mishra communicated

regarding how we can become more water positive in future and revert back to mother earth. Programme was concluded through appreciation to winners. Thanking You!







## Awareness drive on Lifestyle for Environment

World Environment Day 2023; As we know that Mission LiFE has been launched by our Hon'ble PM Shri Narendra Modi ji in the 75<sup>th</sup> year of India's Independence under Azadi ka Amrit Mahotsav to promote mass movement towards an environmentally conscious lifestyle. To promote the themes of Mission LiFE, we as Diamond Cement (Prop; HeidelbergCement India Limited) Unit Narsingarh, Damoh organized various awareness programmes continuously from 22 May to 05 June 2023. A small eye view is here as under-

1. Introductory awareness session under leadership of **Mr. Sunil Kumar (Head- Works)** organized on 23.05.2023 and 01.06.2023 to cover all our employee from Patharia, Imlai and Narsingarh Unit.
2. Banner/flex fixing at all prime locations of plant and colony area.
3. Poster competition and awareness session for kids on 25.05.2023 in association with Regional Office, Madhya Pradesh Pollution Control Board, Sagour M.P.
4. Best Env Photographs collection from mines and plant area.
5. World Environment Day Poster competition for employee and family members.
6. Best From Waste practices presentation by employees and family members.
7. Evolution and appreciation to participants.
8. Arrangement of an advertising vehicle with loudspeaker to spread awareness of environment friendly habits-
  - (i) Inauguration of Gyan Vahan through District Magistrate, Damoh M.P; To circulate message about Lifestyle for Environment at Damoh City.
  - (ii) Inauguration of Gyan Vahan through Unit Head HCIL Narsingarh Damoh M.P; To circulate message about Lifestyle for Environment at Plant, Colony, Patharia mines and adjoining Villages etc.
  - (iii) Environment Awareness session at nearby villages.
  - (iv) Educate to local peoples through audio visual method at maximum level in local market area.
  - (v) Staff and worker colony member participation in world Environment Day.
  - (vi) Community Participation.

### **Lifestyle for Environment Introductory awareness session.**







**Banner/flex fixing at all prime locations of plant and colony area**





Poster competition and awareness session for kids.



Poster competition and awareness session for Employee and workers



Best Practices from Waste Material

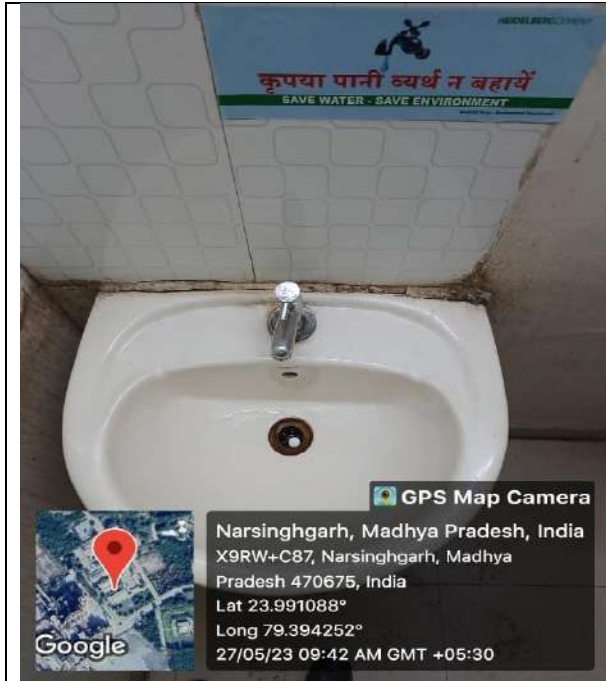


Evaluation and Appreciation to Participants.









Water Saving Habits



Save electricity, habits

**पर्यावरण के प्रति जागरूक जीवन शैली के लिए जन अभियान**

**पर्यावरण के प्रति जागरूक जीवन शैली के लिए जन अभियान**

**मिशन लाइफ की थीम**

**ऊर्जा बचाएं • पानी बचाएं • सिंगल यूज प्लास्टिक को कहें "ना" • सतत खाद्य प्रणाली • कूड़ा कम करें • हेल्दी लाइफ स्टाइल अपनाएं • ई-वेस्ट को कम करें**

**1. ऊर्जा बचाव हेतु सुझाव -**

- एल ई डी बल्ब/ट्यूबलाइट का प्रयोग करें।
- सांजनीक वाहन/ई-वाहन/साईकिल का उपयोग करें।
- छतों पर सोलर वाटर या सोलर कुकर स्टीपर लगाएं।
- तात बत्ती/रिचार्जिंग पर वाहन के इंजन बंद करें।

**2. अपशिष्ट को कम करने के सुझाव -**

- घरों में सूखे और गीले कचरे को अलग-अलग करने की आदत जतने।
- बचती हुई और बिना पानी सफाई प्रयोगों को बचना।
- धुलाई फर्नीचर की सरसत पुनः उपयोग और पुनः चकण करें।
- पुनर्नवीनीकरण कागज से बने कागज उत्पाद खरीदें।
- पुराने कपड़े और कितने वस्त्र दान करें।

**3. जल संरक्षण हेतु उपाय -**

- जल, बाजार जैसी कम पानी वाली फसलों की खेती को अपनाएं।
- फसल विविधीकरण का अभ्यास करें।
- सिंचि सिंचाई प्रणाली का उपयोग करें एवं पौधों/फसलों/वाहनों में पानी देने के लिये बाल्टी एवं मग का उपयोग करें।

**4. सिंगल यूज प्लास्टिक का उपयोग बंद करने हेतु उपाय -**

- जहां भी संभव हो अपनी खुद की बोतल ले जायें तथा कार्यक्रमों के दौरान गैर प्लास्टिक पर्यावरण के अनुकूल कटजरी का उपयोग करें।
- दूध, छाछ, आदि के पैकेजिंग बैग को केवल आंशिक रूप से काटे ताकि प्लास्टिक के टुकड़ों को बायोडिग्रेडेबल कचरे में मिलाने से रोका जा सके।
- शॉपिंग के लिये कपड़े के बैग का इस्तेमाल करें तथा भंडारण बरतने के रूप में काच के कन्टेनर/पैकेजिंग प्लास्टिक की बस्तुओं का पुनः उपयोग करें।
- बास की कधी और नीम के दूध प्रश का चुनाव करें।

**5. सरसतेवत फूड मिस्टम अपनाने के लिये उपाय -**

- भाव के मोबर से वैश्विक खाद्य तैयार कर खेतों में डालें।
- घर में खाने के कचरे को कम्पोस्ट करें।
- भोजन की शब्दांती को बचाने के लिये दैनिक भोजन के लिये छोटी प्लेटों का उपयोग करें।
- आंगनवाड़ी, मध्याह्न भोजन और पीडी योजना के माध्यम से आहार में बाजरे को शामिल करें।

**6. हेल्दी लाइफस्टाइल अपनाने के उपाय -**

- सामुदायिक भोजन, और कपड़ा बैंकों और पत्र आश्रयों से स्वयंसेवा करें।
- नीम, तुलसी, गिलोय, करी पत्ता, अरुणभा आदि जैसे औषधीय पौधे घर के परिसर में लगायें।
- सामुदायिक स्तर पर जैव विविधता संरक्षण शुरू करें।
- प्रदूषण को प्रभाव को कम करने के लिये पेड़ लगाएं।

**7. ई-वेस्ट कम करने के उपाय -**

- सभी घरों/विभाग संस्थाएं/शासकीय एवं गैर शासकीय संस्थाओं/चिकित्सा एवं स्वास्थ्य संस्थाओं से निकलने वाले ई-वेस्ट को ई-वेस्ट कलेक्शन सेंटर में ही उपलब्ध कराएं।

**सौजन्य से- हाईडलबर्ग सीमेंट इंडिया लिमिटेड, नरसिंहगढ़ दमोह (म.प्र.)**

Water saving technique; 1000 Stickers distribution at Damoh City, bus stand, railway station and villages to promote environmentally conscious lifestyle.

**पर्यावरण के प्रति जागरूक जीवन शैली के लिए जन अभियान**

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**2. अपशिष्ट को कम करने के सुझाव -**

- घरों में सूखे और गीले कचरे को अलग-अलग करने की आदत जतने।
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- धुलाई फर्नीचर की सरसत पुनः उपयोग और पुनः चकण करें।
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- फसल विविधीकरण का अभ्यास करें।
- सिंचि सिंचाई प्रणाली का उपयोग करें एवं पौधों/फसलों/वाहनों में पानी देने के लिये बाल्टी एवं मग का उपयोग करें।

**4. सिंगल यूज प्लास्टिक का उपयोग बंद करने हेतु उपाय -**

- जहां भी संभव हो अपनी खुद की बोतल ले जायें तथा कार्यक्रमों के दौरान गैर प्लास्टिक पर्यावरण के अनुकूल कटजरी का उपयोग करें।
- दूध, छाछ, आदि के पैकेजिंग बैग को केवल आंशिक रूप से काटे ताकि प्लास्टिक के टुकड़ों को बायोडिग्रेडेबल कचरे में मिलाने से रोका जा सके।
- शॉपिंग के लिये कपड़े के बैग का इस्तेमाल करें तथा भंडारण बरतने के रूप में काच के कन्टेनर/पैकेजिंग प्लास्टिक की बस्तुओं का पुनः उपयोग करें।
- बास की कधी और नीम के दूध प्रश का चुनाव करें।

**5. सरसतेवत फूड मिस्टम अपनाने के लिये उपाय -**

- भाव के मोबर से वैश्विक खाद्य तैयार कर खेतों में डालें।
- घर में खाने के कचरे को कम्पोस्ट करें।
- भोजन की शब्दांती को बचाने के लिये दैनिक भोजन के लिये छोटी प्लेटों का उपयोग करें।
- आंगनवाड़ी, मध्याह्न भोजन और पीडी योजना के माध्यम से आहार में बाजरे को शामिल करें।

**6. हेल्दी लाइफस्टाइल अपनाने के उपाय -**

- सामुदायिक भोजन, और कपड़ा बैंकों और पत्र आश्रयों से स्वयंसेवा करें।
- नीम, तुलसी, गिलोय, करी पत्ता, अरुणभा आदि जैसे औषधीय पौधे घर के परिसर में लगायें।
- सामुदायिक स्तर पर जैव विविधता संरक्षण शुरू करें।
- प्रदूषण को प्रभाव को कम करने के लिये पेड़ लगाएं।

**7. ई-वेस्ट कम करने के उपाय -**

- सभी घरों/विभाग संस्थाएं/शासकीय एवं गैर शासकीय संस्थाओं/चिकित्सा एवं स्वास्थ्य संस्थाओं से निकलने वाले ई-वेस्ट को ई-वेस्ट कलेक्शन सेंटर में ही उपलब्ध कराएं।

**सौजन्य से- हाईडलबर्ग सीमेंट इंडिया लिमिटेड, नरसिंहगढ़ दमोह (म.प्र.)**

1000 Stickers distribution at local market and villages to promote environmentally conscious lifestyle

Mass Plantation Activities





Gyan Vahan with loudspeaker; To spread awareness regarding adopt

environment friendly habits.



Inauguration of Gyan Vahan By; Unit Head Diamond Cement (HCIL)



Damoh, NH-12A, Damoh, Shrivastav Colony, Dr. Shyama Prasad Mukharji Nagar, Damoh, Madhya Pradesh 470661, A view after TL; Jointly Awareness session conducted by RO-MPPCB, mycem cement and Collector Damoh.



Awareness session at Collectorate Damoh.



A View During vehicle circulation



Gyan Vahan vehicle Mission LiFE awareness at Collectorate damoh.



Gyan Vahan vehicle; Mission life theme awareness at Railway Station Damoh.



Lifestyle for Environment; Participation by Police department.



Lifestyle for Environment Awareness session at our Imlai Grinding Unit.



Lifestyle for Environment Awareness; Community Participation.





दिनांक- 06/06/2023

## नईदुनिया

# नरसिंहगढ़ सीमेंट फैक्ट्री में हुआ जागरूकता पखवाड़े का आयोजन

**दमोह (नई दुनिया प्रतिनिधि)।** मप्र प्रदूषण नियंत्रण बोर्ड, सागर एवं माधसेम सीमेंट नरसिंहगढ़ में फैक्ट्री प्रमुख सुनील कुमार के मार्गदर्शन में मिशन लाइफ कार्यक्रम के अंतर्गत जागरूकता पखवाड़े का आयोजन किया गया। कार्यक्रम के दौरान नरसिंहगढ़ स्थित फैक्ट्री में चित्रकला प्रतियोगिता एवं पौधारोपण का आयोजन किया गया। जिसमें पाँच वर्ष से 13 वर्ष तक के बच्चों ने बड़े उत्साह से भाग लिया और चित्रकला के माध्यम से जल बचाओ एवं सिंगल यूज प्लास्टिक को कहेँ ना आदि सात मुख्य विषयों पर जोर दिया।

कार्यक्रम के दौरान बोर्ड के अधिकारी ने बताया, कि भारत के प्रधानमंत्री द्वारा संयुक्त राष्ट्र संघ में लाइफस्टाइल फॉर द एनवायरनमेंट को एक कैम्पन के रूप में चलाए जाने का आह्वान किया गया था। जिसके क्रियान्वयन के लिए मिशन लाइफ अंतर्गत 18 मई से 5 जून तक पर्यावरण जन जागृति कार्यक्रम का आयोजन किया जा रहा है। जिसमें सात विषयों पर कंपनी या क्षेत्र में जनता के बीच जागरूकता देना है। मप्र प्रदूषण नियंत्रण बोर्ड, सागर के अधिकारी डॉ. आर. के जैन ने बच्चों को जल संरक्षण, ऊर्जा बचाव व सिंगल यूज प्लास्टिक



पौधा रोपण के दौरान मौजूद कंपनी के अधिकारीगण व अन्य लोग | •नईदुनिया

को कहेँ ना, सतत खाब प्रणाली, ई-वेस्ट एवं हेल्दी लाइफ स्टाइल एवं अपशिष्ट को कम करने के लिए उठाए जाने वाले कदमों के बारे में विस्तार से जानकारी दी। बच्चों के साथ-साथ अभिभावकों को भी पर्यावरण के प्रति जागरूकता कि शपथ दिलाई गई। जिससे हर व्यक्ति की आय स्रोत बढ़ने के साथ साथ बढ़ते प्रदूषण पर भी रोक लगेगी। हेडलबर्ग सीमेंट से पर्यावरण प्रमुख अशोक तिवारी ने कंपनी की टिकाऊ प्रगति जैसे की अधिक पानी संचय प्रणाली, नवीनकरण ऊर्जा का अधिक

प्रयोग एवं CO<sub>2</sub> उत्सर्जन को कम करने के बारे में विस्तृत व्याख्यान दिया। कंपनी अधिकारियों ने कहा कि एक बूंद पानी की कीमत बहुत अधिक है, यह किसी को जीवनदान दे सकता है। पृथ्वी का भूजल स्तर नीचे गिरता जा रहा है इसलिए जल संरक्षण के प्रति जागरूक होना बेहद जरूरी है।

बोर्ड अधिकारियों एवं कंपनी अधिकारी वर्ग द्वारा लाइफ स्टाइल फॉर द एनवायरनमेंट कैम्पन में बढ़चढ़ कर हिस्सा लिया गया। इसके अतिरिक्त कंपनी के परिसर में बरगद जैसे वृक्षों का पौधारोपण किया गया।

कार्यक्रम में प्रदूषण नियंत्रण बोर्ड के अधिकारी डॉ. आरके जैन, संजय जैन एवं हेडलबर्ग सीमेंट फैक्ट्री प्रमुख सुनील कुमार, आनंद प्रकाश, अखिलेश ताम्रकार, सुजीत मलिक, दीपक ठाकुर डीपी तिवारी, एसके जैन, सुनील मोर्य, विजय श्रीवास्तव, अजय कुमार, बलवीर रावत आदि अधिकारी गण मौजूद रहे।

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