

Ambuja Cement

Ref No: ACL/ENV/CECB/2022-23/1115

Date: 12.09.2022

To,
The Member Secretary,
Chhattisgarh Environment Conservation Board,
Paryavash Bhawan, Sector-19, Atal Nagar,
Naya Raipur, Raipur (C.G.)

Sub: Submission of Revised Environmental Statement of FY 2020-21 w.r.t. Gare Palma IV/8 Coal Mine of M/s Ambuja Cement Limited, village- Karwahi, Tehsil- Tamnar, District- Raigarh (C.G.)_reg.

Ref: Environment Clearance Vicle: J-11015/352/2006-TA.11(M) Dtd: 22/12/2008

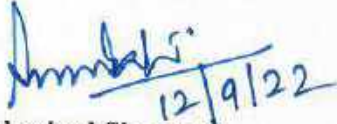
Dear Sir,

With reference to above subject matter we are enclosing herewith revised Environmental Statement (Form-V) of FY 2020-21 w.r.t. Gare Palma IV/8 Coal Mine of M/s Ambuja Cement Limited, village- Karwahi, Tehsil- Tamnar, District- Raigarh (C.G.).

Kindly acknowledge the same.

Thanking You

For, M/s Ambuja Cement Limited


Authorized Signatory
Sharnappa N Kamballi
Email Primary- unit-head-garepalma@ambujacement.com
Email Secondary- sharanappa.kambalii@ambujacement.com
Mo.: 7225054477

Encl: As above

C.C: The Regional Officer, Chhattisgarh Environment Conservation Board, TV Tower Road, Raigarh Chhattisgarh.

AMBUJA CEMENTS LIMITED **Gare Palma IV/8 Coal Mine**

SITE OFFICE : Village - Karwahi, Post. - Saraitola, Tahsil - Tamnar, Dist. - Raigarh (C.G.) 496 107

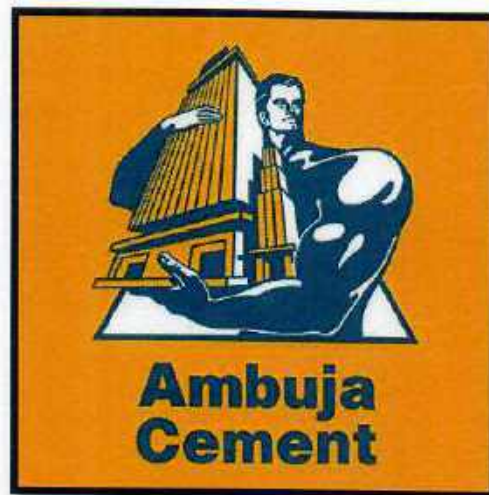
www.ambujacement.com, E-mail : unit-head-garepalma@ambujacement.com

Regd. Off. : PO. Ambujanagar, Taluka - Kodinar, Dist. Gir Somnath, Gujrat

CIN : L26942GJ1981PLC004717

ENVIRONMENT STATEMENT (FORM-V) **YEAR 2020-21**

UNIT: GARE PALMA IV/8 COAL MINE



Environmental Clearance vide: J-11015/352/2006-IA.II (M)
Dated: 22.12.2008

AMBUJA CEMENTS LIMITED
VILLAGE- KARWAHI, POST- SARAITOLA, TEHSI-
TAMNAR,
DISTRICT- RAIGARH CHHATTISGARH

Ravi Singh Jaiswal
RAVI SINGH JAISWAL
ENVIRONMENT

FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

(i)	Name and address of the owner/ occupier of the industry operation or process.	Mr. Neeraj Akhoury (MD & CEO) Ambuja Cements Limited, Elegant Business Park, MIDC Cross Road B, Off Andheri- Kurla Road, Andheri (E), Mumbai-400059
(ii)	Industry category Primary-(STC Code) Secondary-(STC Code).	Large Scale Industry SIC Code: 1220
(iii)	Production capacity- Units	1.2 MTPA (0.7 MTPA from Open Cast Coal Mine & 0.5 MTPA from Under Ground Coal Mine)
(iv)	Year of establishment	New Project (Block allotted vide vesting order dated 22.04.2015 and corrigendum No. 1 dated 14.12.2015 Environmental Clearance vide: J-11015/352/2006-IA.II (M) Dated: 22.12.2008
(v)	Date of the last environmental statement submitted.	06.10.2020

PART B

Water and Raw Material Consumption

(1) Water consumption m³/ d

Process	Nil
Cooling	Nil
Domestic	24 m ³ /day
Total	24 m³/day

S. No.	Name of Product	Process water consumption per unit of output	
		During the previous financial year (2019-20)	During the current financial year (2020-21)
(1)	Coal	NA	NA

This is a coal mine and there is no processing/cleaning of coal mine is being done.

(2) Raw material consumption

S. No.	Name of Raw Material	Name of Product	Name of Raw Material	Consumption of raw material per unit of output	
				During the previous financial year (2019-20)	During the current financial year (2020-21)
(1)	NA	Coal	NA	NA	NA

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

RSD

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons.
(i) Water	No discharge. Water quality reports are given as <i>Annexure-1</i> .	No applicable	Not applicable.
(ii) Air	Ambient Air Quality reports are well within the prescribed limit. Air quality and noise monitoring report are given in <i>Annexure-2</i> & <i>Annexure-3</i> .		

PART D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

S. No.	Hazardous Waste	Total Quantity	
		During the previous financial year (2019-20)	During the current financial year (2020-21)
(a)	From process	7.80 KL of used oil (Schedule-I, Cat. 5.1) & 47 nos. of empty barrels (Schedule-I, Cat. No.-33.1)	5.98 KL of used oil (Schedule-I, Cat. 5.1) & 50 nos. of Empty Barrels (Schedule-I, Cat No.-33.1)
(b)	From pollution control facility	Nil	Nil

PART E

Solid Wastes

S. No.	Solid Waste	Total Quantity	
		During the previous financial year (2019-20)	During the current financial year (2020-21)
(a)	From process	Overburden – 1351748.392 m ³	Overburden- 735769.548 m ³
(b)	From pollution control facility	Nil	Nil
(C)	Quantity recycled or reutilized within the unit	Nil	Nil
(2)	Sold	Nil	Nil
(3)	Disposed	Stored at designated place	Stored at designated place

PART F

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

- 1. Hazardous waste-** Used Oil & Empty containers given to the authorized recycler.
- 2. Solid Waste-** Overburden is stored at designated area.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- Nil

PART H

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

Environmental Management Plan was already prepared for project. Unit has installed two nos. of piezometer & 2 nos. of water flow meter in open cast and underground. Mine pits are used to recharge ground water table.

PART I

Any other particulars for improving the quality of the environment.

All the measures of environmental improvement have already been incorporated. Tree plantation is adopted as a continuous activity with priority. Total 3000 saplings have been planted in 2020-21 along the mining lease boundary area.



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VALIDITY UPTO 08.02.2022

Annexure-1

June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/WW-29

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine Discharge Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	6.90
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	154.6
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	8.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	10.22
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	38.2
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	62.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Enviro Ltd.,

Dr. D. D. Battalwa
Authorized Signatory

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Landline M. : 8805947186, 9923037416

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Ph. 0712 - 7125000, 7125200 Fax : 0712 - 6665100, Web. : www.smsl.co.in

CIN : U40105MH2005PLC150780

**MAHARASHTRA
ENVIRO POWER LIMITED**

(NAGPUR UNIT)

ISO 9001 : 2015 C. No. : 49121A/001/UKR
ISO 14001 : 2015 C. No. : 49121B/001/UKR
OHSAS 18001 : 2007 C. No. : 49121C/001/UKR



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June 2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/WW-28

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.19
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	136.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	7.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	26.2
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	64.8
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	88.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For Ambuja Cements Ltd,

Dr. D. S. Bhatnagar
Authorized Signatory

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July-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/WW-28

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.10
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	134.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	7.6
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	25.7
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	63.6
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	87.9
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For **MAHARASHTRA ENVIRO POWER** Ltd,

Dr. D.C. Battalwar
Authorized Signatory

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July 2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/WW-29

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine Discharge Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	6.75
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	122.6
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	7.25
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	9.22
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	37.4
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	61.7
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For: Ambuja Cements Ltd,

Dr. D.G. Bhatnagar
Authorized Signatory

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Aug-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/WW-11

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	6.94
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	212.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	20.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	32.4
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	46.5
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	16.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	3.5
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envirocare Ltd,

Dr. D. C. Battalwar
Authorized Signatory

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Sep-2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/WW-48

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	6.92
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	228.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	18.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	36.4
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	48.2
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	14.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envocare Ltd,

Dr. D.G. Battalwar
Authorized Signatory

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Nov-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/WW-11

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.08
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	162
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	10
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	19.72
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	67.32
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	117
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envirocare Ltd.,

Dr. H.C. Badalwar
Authorized Signatory

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ISO 14001 : 2015 C No. : 45121/B/001/UK/E
OHSAS 18001 : 2007 C No. : 45121/C/001/UK/E



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VALIDITY UPTO 08.02.2022



Nov-2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/WW-12

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine Discharge Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.02
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	128
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	8
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	11.32
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	41.36
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	68
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envirocare Ltd,

Mr. D.G. Battalwar
Authorized Signatory

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**MAHARASHTRA
ENVIRO POWER LIMITED**

(NAGPUR UNIT)



'MoEF' RECOGNIZED ENVIRONMENTAL LABORATORY
VALIDITY UPTO 08.02.2022

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समस्त है सुखलाली।



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/WW-28

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.06
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	158
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	10
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	20.24
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	66.18
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	108
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
Authorized Signatory

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CIN : U40105MH2005PLC150780

MAHARASHTRA
ENVIRO POWER LIMITED
(NAGPUR UNIT)

ISO 9001 : 2015 C No. : 49121/A/001/UKEn
ISO 14001 : 2015 C No. : 49121/B/001/UKEn
OHSAS 18001 : 2007 C No. : 49121/C/001/UKEn



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MoEF RECOGNIZED ENVIRONMENTAL LABORATORY
VALIDITY UPTO 08.02.2022

Jan-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/WW-36

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.08
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	164
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	12
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	22.12
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	64.16
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	112
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<3.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/WW-44

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.36
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	235.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	12.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	22.1
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	55.3
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	98.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<4.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envocaps Ltd,

Authorized Signatory

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March-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/WW-58

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Wastewater Quality Monitoring

Sr. No.	Parameters	Unit	Ref. Method	Mine-pit Water
1.	pH at 25°C	-	IS:3025 (part 11)-1983	7.32
2.	Total Dissolved Solids	mg/l	IS:3025 (part 16)-1984	238.0
3.	Total Suspended Solids	mg/l	IS:3025 (part 16)-1984	14.0
4.	Chloride as Cl	mg/l	IS:3025 (part 32)-1988	24.2
5.	Sulphate as SO ₄	mg/l	IS:3025 (part 24)-1986	56.4
6.	Chemical Oxygen Demand (COD)	mg/l	IS:3025 (part 58)-2006	96.0
7.	Biological Oxygen demand (BOD) 3days @27°C	mg/l	IS:3025 (part 44)-1993	<4.0
8.	Oil & Grease	mg/l	IS:3025 (part 39)-1991	<1.0

For SMS Envirocare Ltd,

Authorized Signatory

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CIN : U40105MH2005PLC150780

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ENVIRO POWER LIMITED**

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ISO 14001 : 2015 C No. : 49921/B/001/UK/En
OHSAS 18001 : 2007 C No. : 49921/C/001/UK/En



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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-21

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	61.8
2.	Particulate Matter (PM _{2.5})		60	22.4
3.	Sulphur Dioxide (SO ₂)		80	17.6
4.	Oxides of Nitrogen (NO _x)		80	28.9
5.	Carbon Monoxide (CO) [#]		4000	554.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Enviro Power Ltd.,

Dr. D. K. Bhattalwar
Authorized Signatory

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**MAHARASHTRA
ENVIRO POWER LIMITED**

(NAGPUR UNIT)



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June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/Jun-20/AA-22

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	57.3
2.	Particulate Matter (PM _{2.5})		60	22.7
3.	Sulphur Dioxide (SO ₂)		80	13.2
4.	Oxides of Nitrogen (NO _x)		80	17.6
5.	Carbon Monoxide (CO) [#]		4000	354.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): **At Banjari Temple (Buffer Zone)**

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. B.G. Bhattalwar
Authorized Signatory

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June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-23

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	61.8
2.	Particulate Matter (PM _{2.5})		60	25.5
3.	Sulphur Dioxide (SO ₂)		80	16.9
4.	Oxides of Nitrogen (NO _x)		80	19.4
5.	Carbon Monoxide (CO) [#]		4000	392.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): Khamaria village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in µg/m³; # One hour monitoring

For SMS Envirocare Ltd,

Dr. D.E. Battalwar
Authorized Signatory

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June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-24

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020
Date of Report : 10.07.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	53.6
2.	Particulate Matter (PM _{2.5})		60	23.8
3.	Sulphur Dioxide (SO ₂)		80	11.5
4.	Oxides of Nitrogen (NO _x)		80	17.4
5.	Carbon Monoxide (CO) [#]		4000	366.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. B. C. Battalwar
Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-25

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	50.7
2.	Particulate Matter (PM _{2.5})		60	22.5
3.	Sulphur Dioxide (SO ₂)		80	11.4
4.	Oxides of Nitrogen (NO _x)		80	16.3
5.	Carbon Monoxide (CO) [#]		4000	295.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Enviro Power Ltd,

Dr. D. D. Battalwar
Authorized Signatory

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July-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-21

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	60.8
2.	Particulate Matter (PM _{2.5})		60	21.6
3.	Sulphur Dioxide (SO ₂)		80	16.9
4.	Oxides of Nitrogen (NO _x)		80	28.4
5.	Carbon Monoxide (CO) [#]		4000	552.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For **MAHARASHTRA ENVIRO POWER LTD,**



Dr. D. C. Bhatnagar

Authorized Signatory

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July-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-22

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	56.6
2.	Particulate Matter (PM _{2.5})		60	21.7
3.	Sulphur Dioxide (SO ₂)		80	12.8
4.	Oxides of Nitrogen (NO _x)		80	16.4
5.	Carbon Monoxide (CO) [#]		4000	353.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; * One hour monitoring

For Ambuja Cements Ltd.,

Dr. D.G. Battalwar
Authorized Signatory

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MAHARASHTRA

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-23

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

Sr. No.	Parameters	Reference Method	NAAQM* Standards	(24 hrs sampling)
				Values AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	60.2
2.	Particulate Matter (PM _{2.5})		60	24.4
3.	Sulphur Dioxide (SO ₂)		80	16.1
4.	Oxides of Nitrogen (NO _x)		80	18.7
5.	Carbon Monoxide (CO) [#]		4000	389.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): **Khamaria village (Buffer Zone)**

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For **SMSENVIRO** Ltd,

Dr. **P. C. Battavwar**
Authorized Signatory

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July-2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-24

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	52.1
2.	Particulate Matter (PM _{2.5})		60	22.3
3.	Sulphur Dioxide (SO ₂)		80	10.4
4.	Oxides of Nitrogen (NO _x)		80	16.8
5.	Carbon Monoxide (CO) [#]		4000	364.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For MAHARASHTRA ENVIRO POWER Ltd,

Dr. D. C. Bhatnagar
Authorized Signatory

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July 2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AA-25

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	50.0
2.	Particulate Matter (PM _{2.5})		60	21.9
3.	Sulphur Dioxide (SO ₂)		80	10.2
4.	Oxides of Nitrogen (NO _x)		80	15.7
5.	Carbon Monoxide (CO) [#]		4000	293.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For **MAHARASHTRA ENVIRO POWER LTD,**

Dr. D.S. Bhatnagar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AA-1

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	44.5
2.	Particulate Matter (PM _{2.5})		60	16.3
3.	Sulphur Dioxide (SO ₂)		80	13.4
4.	Oxides of Nitrogen (NO _x)		80	27.2
5.	Carbon Monoxide (CO) [#]		4000	470.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. D. G. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AA-2

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	45.1
2.	Particulate Matter (PM _{2.5})		60	18.4
3.	Sulphur Dioxide (SO ₂)		80	12.4
4.	Oxides of Nitrogen (NO _x)		80	16.8
5.	Carbon Monoxide (CO) [#]		4000	384.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

Values are in µg/m³; * One hour monitoring

For SMS Envirocare Ltd,

Dr. D. C. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AA-3

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	44.8
2.	Particulate Matter (PM _{2.5})		60	17.5
3.	Sulphur Dioxide (SO ₂)		80	15.6
4.	Oxides of Nitrogen (NO _x)		80	19.4
5.	Carbon Monoxide (CO) [#]		4000	418.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): **Khamaria village** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in µg/m³; # One hour monitoring

For SMS Enviro Ltd,

Dr. D.C. Battalwar
Authorized Signatory

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Ref. No: MEPL/Lab/Cons/TMS/ACL-Gare/2020-21/Aug-20/AA-4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	42.3
2.	Particulate Matter (PM _{2.5})		60	16.2
3.	Sulphur Dioxide (SO ₂)		80	10.8
4.	Oxides of Nitrogen (NO _x)		80	18.5
5.	Carbon Monoxide (CO) [#]		4000	436.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AA-5

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	39.7
2.	Particulate Matter (PM _{2.5})		60	16.4
3.	Sulphur Dioxide (SO ₂)		80	11.6
4.	Oxides of Nitrogen (NO _x)		80	17.6
5.	Carbon Monoxide (CO) [#]		4000	356.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. D. G. Battalwar
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Sep-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/SEP-20/AA-1

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	50.2
2.	Particulate Matter (PM _{2.5})		60	20.2
3.	Sulphur Dioxide (SO ₂)		80	11.9
4.	Oxides of Nitrogen (NO _x)		80	24.8
5.	Carbon Monoxide (CO) [#]		4000	436.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$, [#] One hour monitoring

For SMS Envocare Ltd,

Dr. D.G. Battalwar
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Sep. 2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/AA-2

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	45.9
2.	Particulate Matter (PM _{2.5})		60	17.9
3.	Sulphur Dioxide (SO ₂)		80	11.3
4.	Oxides of Nitrogen (NO _x)		80	16.5
5.	Carbon Monoxide (CO) [#]		4000	362.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
Values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. D.G. Battalwar
Authorized Signatory

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ISO 14001 : 2015 C No. 49121/00010000
OHSAS 18001 : 2007 C No. 49121/00010000

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/AA-3

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North -West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	44.6
2.	Particulate Matter (PM _{2.5})		60	17.5
3.	Sulphur Dioxide (SO ₂)		80	14.2
4.	Oxides of Nitrogen (NO _x)		80	19.4
5.	Carbon Monoxide (CO) [#]		4000	392.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): Khamaria village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envocare Ltd,


Dr. D.G. Bhatnagar
Authorized Signatory

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Sep-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/AA-4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	43.7
2.	Particulate Matter (PM _{2.5})		60	15.9
3.	Sulphur Dioxide (SO ₂)		80	10.3
4.	Oxides of Nitrogen (NO _x)		80	17.5
5.	Carbon Monoxide (CO) [#]		4000	398.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

Dr. D.G. Bhatnagar
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Sep-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/SEP-20/AA-5

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	39.5
2.	Particulate Matter (PM _{2.5})		60	14.8
3.	Sulphur Dioxide (SO ₂)		80	10.2
4.	Oxides of Nitrogen (NO _x)		80	14.7
5.	Carbon Monoxide (CO) [#]		4000	334.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in µg/m³. # One hour monitoring

For SMS Envocare Ltd,

Dr. D.C. Bhatnagar
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Nov-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AA-1

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

Sr. No.	Parameters	Reference Method	NAAQM* Standards	(24 hrs sampling)
				Values AAQ-I
1.	Particulate Matter (PM ₁₀)	IS 5182	100	67.4
2.	Particulate Matter (PM _{2.5})		60	25.6
3.	Sulphur Dioxide (SO ₂)		80	19.2
4.	Oxides of Nitrogen (NO _x)		80	32.7
5.	Carbon Monoxide (CO) [#]		4000	568.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-I): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring.

For SMS Enviro Power Ltd,

Dr. D. D. Battalwar
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Nov-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AA-2

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 Mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	53.9
2.	Particulate Matter (PM _{2.5})		60	21.3
3.	Sulphur Dioxide (SO ₂)		80	16.9
4.	Oxides of Nitrogen (NO _x)		80	24.1
5.	Carbon Monoxide (CO) [#]		4000	468.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Enviro Power Ltd.,

Dr. K.G. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AA-3

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	59.6
2.	Particulate Matter (PM _{2.5})		60	22.4
3.	Sulphur Dioxide (SO ₂)		80	25.4
4.	Oxides of Nitrogen (NO _x)		80	35.3
5.	Carbon Monoxide (CO) [#]		4000	513.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): **Khamaria village** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For **Enviro Power Ltd.**

Dr. P. S. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AA-4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	59.7
2.	Particulate Matter (PM _{2.5})		60	21.4
3.	Sulphur Dioxide (SO ₂)		80	21.8
4.	Oxides of Nitrogen (NO _x)		80	29.7
5.	Carbon Monoxide (CO)*		4000	463.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
All values are in $\mu\text{g}/\text{m}^3$; * One hour monitoring

For Ambuja Cements Ltd.,

Dr. D. G. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AA-5

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	47.1
2.	Particulate Matter (PM _{2.5})		60	18.2
3.	Sulphur Dioxide (SO ₂)		80	15.8
4.	Oxides of Nitrogen (NO _x)		80	23.2
5.	Carbon Monoxide (CO) [†]		4000	407.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [†] One hour monitoring

For SMS Enviro Power Ltd.

Dr. D.C. Bhatnagar

Authorized Signatory



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Dec-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AA-1

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	68.2
2.	Particulate Matter (PM _{2.5})		60	26.1
3.	Sulphur Dioxide (SO ₂)		80	19.4
4.	Oxides of Nitrogen (NO _x)		80	31.5
5.	Carbon Monoxide (CO) [#]		4000	558.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring



For Maharashtra Enviro Power Limited,

Dr. D. G. Bhatnagar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AA-2

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 Mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	53.9
2.	Particulate Matter (PM _{2.5})		60	22.3
3.	Sulphur Dioxide (SO ₂)		80	16.8
4.	Oxides of Nitrogen (NO _x)		80	25.3
5.	Carbon Monoxide (CO) [#]		4000	472.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring



For Maharashtra Enviro Power Limited,

Dr. D.G. Dattalwar
Authorized Signatory

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Ph. 0712 - 7125000, 7125200 Fax : 0712 - 6665100, Web : www.smsl.co.in
CIN : U40105MH2005PLC150780

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Dec-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AA-3

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : North -West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	61.4
2.	Particulate Matter (PM _{2.5})		60	24.2
3.	Sulphur Dioxide (SO ₂)		80	26.2
4.	Oxides of Nitrogen (NO _x)		80	38.4
5.	Carbon Monoxide (CO) [#]		4000	514.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): Khamaria village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
Authorized Signatory

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Dec-2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AA-4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	62.5
2.	Particulate Matter (PM _{2.5})		60	23.6
3.	Sulphur Dioxide (SO ₂)		80	22.4
4.	Oxides of Nitrogen (NO _x)		80	28.6
5.	Carbon Monoxide (CO) [#]		4000	464.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D. G. Bhatnagar
Authorized Signatory

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Dec-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AA-5

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	46.2
2.	Particulate Matter (PM _{2.5})		60	19.5
3.	Sulphur Dioxide (SO ₂)		80	16.2
4.	Oxides of Nitrogen (NO _x)		80	25.3
5.	Carbon Monoxide (CO) [#]		4000	411.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,



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Jan-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/AA-1

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	69.4
2.	Particulate Matter (PM _{2.5})		60	28.4
3.	Sulphur Dioxide (SO ₂)		80	18.6
4.	Oxides of Nitrogen (NO _x)		80	29.4
5.	Carbon Monoxide (CO) [#]		4000	548
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,



Dr. D.G. Battalwar
Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/AA-2

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 Mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	54.9
2.	Particulate Matter (PM _{2.5})		60	23.4
3.	Sulphur Dioxide (SO ₂)		80	16.2
4.	Oxides of Nitrogen (NO _x)		80	23.8
5.	Carbon Monoxide (CO) [#]		4000	472
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At **Banjari Temple** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D.G. Bhatnagar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/AA-3

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North -West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	63.7
2.	Particulate Matter (PM _{2.5})		60	26.8
3.	Sulphur Dioxide (SO ₂)		80	18.7
4.	Oxides of Nitrogen (NO _x)		80	29.7
5.	Carbon Monoxide (CO) [#]		4000	508
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): Khamaria village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
Authorized Signatory

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Jan-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/Jan-21/AA-4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	64.5
2.	Particulate Matter (PM _{2.5})		60	24.1
3.	Sulphur Dioxide (SO ₂)		80	20.6
4.	Oxides of Nitrogen (NO _x)		80	28.5
5.	Carbon Monoxide (CO) [#]		4000	464
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): **Nr School, Rampura village** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D.G. Bhatnagar
Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/AA-5

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	49.7
2.	Particulate Matter (PM _{2.5})		60	21.4
3.	Sulphur Dioxide (SO ₂)		80	15.7
4.	Oxides of Nitrogen (NO _x)		80	23.9
5.	Carbon Monoxide (CO) [#]		4000	405
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; * One hour monitoring

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AA-36

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	69.7
2.	Particulate Matter (PM _{2.5})		60	28.4
3.	Sulphur Dioxide (SO ₂)		80	18.6
4.	Oxides of Nitrogen (NO _x)		80	20.7
5.	Carbon Monoxide (CO) [#]		4000	506.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.002
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Enviro Power Ltd,



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ISO 14001 : 2015 C No. : 491211B001UKIEn
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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AA-37

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 Mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	56.8
2.	Particulate Matter (PM _{2.5})		60	23.4
3.	Sulphur Dioxide (SO ₂)		80	14.8
4.	Oxides of Nitrogen (NO _x)		80	21.2
5.	Carbon Monoxide (CO) [#]		4000	486.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in µg/m³; [#] One hour monitoring

For SMS Envirocare Ltd,

Authorized Signatory

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**MAHARASHTRA
ENVIRO POWER LIMITED**

(NAGPUR UNIT)

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AA-38

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	56.8
2.	Particulate Matter (PM _{2.5})		60	23.9
3.	Sulphur Dioxide (SO ₂)		80	16.9
4.	Oxides of Nitrogen (NO _x)		80	19.4
5.	Carbon Monoxide (CO)*		4000	496.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): **Khamaria village** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; * One hour monitoring

For SMS EnviroCare Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AA-39

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	56.8
2.	Particulate Matter (PM _{2.5})		60	23.5
3.	Sulphur Dioxide (SO ₂)		80	17.2
4.	Oxides of Nitrogen (NO _x)		80	18.6
5.	Carbon Monoxide (CO) [#]		4000	488.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.002
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in µg/m³; # One hour monitoring

For SMS Enviro Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AA-40

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	52.3
2.	Particulate Matter (PM _{2.5})		60	23.6
3.	Sulphur Dioxide (SO ₂)		80	14.6
4.	Oxides of Nitrogen (NO _x)		80	21.4
5.	Carbon Monoxide (CO) [#]		4000	457.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At Durga House (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Enviro Power Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/AA-54

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : Within site
Distance from site : Nil
Latitude : 22.169931 N
Longitude : 83.494959 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-1
1.	Particulate Matter (PM ₁₀)	IS 5182	100	67.2
2.	Particulate Matter (PM _{2.5})		60	26.2
3.	Sulphur Dioxide (SO ₂)		80	16.8
4.	Oxides of Nitrogen (NO _x)		80	20.3
5.	Carbon Monoxide (CO) [#]		4000	502.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.002
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-1): At Site Office (Core Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/Mar-21/AA-55

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North
Distance from site : 310 Mtr
Latitude : 22.178831 N
Longitude : 83.508995 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-2
1.	Particulate Matter (PM ₁₀)	IS 5182	100	57.4
2.	Particulate Matter (PM _{2.5})		60	22.8
3.	Sulphur Dioxide (SO ₂)		80	14.4
4.	Oxides of Nitrogen (NO _x)		80	20.6
5.	Carbon Monoxide (CO) [#]		4000	482.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-2): At Banjari Temple (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/Mar-21/AA-56

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : North - West
Distance from site : 460 mtr
Latitude : 22.161729 N
Longitude : 83.498074 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values
				AAQ-3
1.	Particulate Matter (PM ₁₀)	IS 5182	100	54.6
2.	Particulate Matter (PM _{2.5})		60	22.8
3.	Sulphur Dioxide (SO ₂)		80	16.5
4.	Oxides of Nitrogen (NO _x)		80	20.2
5.	Carbon Monoxide (CO) [#]		4000	492.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-3): **Khamaria village** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; * One hour monitoring

For SMS Envirocare Ltd,



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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/AA-57

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : East
Distance from site : 400 mtr
Latitude : 22.162807 N
Longitude : 83.504231 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-4
1.	Particulate Matter (PM ₁₀)	IS 5182	100	55.4
2.	Particulate Matter (PM _{2.5})		60	22.8
3.	Sulphur Dioxide (SO ₂)		80	16.8
4.	Oxides of Nitrogen (NO _x)		80	20.2
5.	Carbon Monoxide (CO) [#]		4000	492.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.002
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-4): Nr School, Rampura village (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,



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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/AA-58

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Ambient Air Quality Monitoring
Direction from site : South
Distance from site : 280 mtr
Latitude : 22.166381 N
Longitude : 83.497756 E

(24 hrs sampling)

Sr. No.	Parameters	Reference Method	NAAQM* Standards	Values AAQ-5
1.	Particulate Matter (PM ₁₀)	IS 5182	100	54.2
2.	Particulate Matter (PM _{2.5})		60	23.8
3.	Sulphur Dioxide (SO ₂)		80	16.2
4.	Oxides of Nitrogen (NO _x)		80	20.8
5.	Carbon Monoxide (CO) [#]		4000	462.0
6.	Lead (Pb)		1.0	<0.01
7.	Arsenic (As)		0.006	<0.001
8.	Nickel (Ni)		0.02	<0.001
9.	Mercury (Hg)		-	<0.001

Note: Sampling Station (AAQ-5): At **Durga House** (Buffer Zone)

* NAAQMS- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)

All values are in $\mu\text{g}/\text{m}^3$; [#] One hour monitoring

For SMS Envirocare Ltd,

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Annexure-3

June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AN-32

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	53.5	52.6	57.7	47.2
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	47.6	44.5	51.7	42.8

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For SMS Enviro Ltd,

Dr. P. C. Battalwar
Authorized Signatory

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June-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AN-33

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30-06-2020.
Date of Report : 10.07.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	51.8	46.6	47.4	48.5
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	42.4	40.3	42.5	39.8

*All values are in dB(A)

Details:

- NA-5: Khamaria village (Buffer Zone)
- NA-6: Nr School, Rampura village (Buffer Zone)
- NA-7: At Durga House (Buffer Zone)
- NA-8: At Banjari Temple (Buffer Zone)

For SMS Enviro Power Ltd.

Dr. D.G. Battalwar
Authorized Signatory

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July-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AN-32

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	52.1	51.4	57.0	46.9
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	46.6	43.8	50.7	41.2

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For SMS Envirocare Ltd,

Dr. D. G. Bhatnagar
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Site Off. : CHW01, Mandwa, Butibori Ind. Estate, Butibori, Nagpur.
Landline M. : 8905947186, 9923037416

Head Office : 20, IT Park, Parsodi, Nagpur - 440 022, Maharashtra (India)
Ph. 0712 - 7125000, 7125200 Fax : 0712 - 6665100, Web : www.smsl.co.in
CIN : U40105MH2005PLC150780

**MAHARASHTRA
ENVIRO POWER LIMITED**
(NAGPUR UNIT)



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VALIDITY UPTO 08.02.2022

July-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jun-20/AN-33

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 28-07-2020
Date of Report : 05.08.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	50.8	45.4	46.8	47.5
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	41.9	39.3	41.6	38.7

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
NA-6: Nr School, Rampura village (Buffer Zone)
NA-7: At Durga House (Buffer Zone)
NA-8: At Banjari Temple (Buffer Zone)

For SMS Envirocare Ltd,

Dr. D. G. Bhatnagar
Authorized Signatory

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MoEF Recognized Environmental Laboratory validity up to 08.02.2022



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ISO 14001 : 2015 C No. : 49121B001/UK/EN
OHSAS 18001 : 2007 C No. : 49121C001/UK/EN

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**MAHARASHTRA
ENVIRO POWER LIMITED**

(NAGPUR UNIT)

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AN-6

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	46.9	50.2	56.8	44.7
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	42.3	44.8	56.2	38.6

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
 NA-2: At Site Office (Core Zone)
 NA-3: Near Weigh Bridge (Core Zone)
 NA-4: Near Parking (Core Zone)

For SMS Envirocare Ltd,

Dr. D. S. Battalwar
 Authorized Signatory

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वहाँ है सुराहाली।

Aug-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Aug-20/AN-7

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 31.08.2020
Date of Report : 07.09.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	48.7	45.2	46.7	48.2
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	43.4	37.2	38.3	34.5

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
NA-6: Nr School, Rampura village (Buffer Zone)
NA-7: At Durga House (Buffer Zone)
NA-8: At Banjari Temple (Buffer Zone)

For SMS Enviro Power Ltd,

Dr. B. G. Battalwar
Authorized Signatory

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Head Office : 20, IT Park, Parsodi, Nagpur - 440 022, Maharashtra (India)

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ENVIRO POWER LIMITED
(NAGPUR UNIT)

ISO 9001 : 2015 C. No. : 49121/A/001/UK/En
ISO 14001 : 2015 C. No. : 49121/B/001/UK/En
OHSAS 18001 : 2007 C. No. : 49121/C/001/UK/En



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जलो दे तसिवाली
जलो दे तसिवाली

Sep-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/AN-1to4

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	49.6	46.9	54.4	43.5
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	39.2	40.2	45.1	38.7

*All values are in dB(A)

Details:

- NA-1: Near Main Gate (Core Zone)
- NA-2: At Site Office (Core Zone)
- NA-3: Near Weigh Bridge (Core Zone)
- NA-4: Near Parking (Core Zone)

For **SMS Envocare Ltd.**

Dr. D.G. Batchwar
Authorized Signatory

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CIN U40105MH2005PLC150780

MAHARASHTRA
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ISO 9001:2015 C No. 88121A00010000
ISO 14001:2015 C No. 88121B00010000
DHQA 15001:2007 C No. 88121C00010000



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वर्ण के पुनर्वासनी।

8ep-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/SEP-20/AN-5to8

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 22.09.2020
Date of Report : 29.09.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	47.6	43.8	44.6	45.4
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	41.1	37.9	38.9	36.8

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
NA-6: Nr School, Rampura village (Buffer Zone)
NA-7: At Durga House (Buffer Zone)
NA-8: At Banjari Temple (Buffer Zone)

For SMS Envirocare Ltd,

Dr. D.G. Battalwar
Authorized Signatory

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ISO 14001 : 2015 C No. 49179-B0001/0001
OHSAS 18001 : 2007 C No. 49179-C0001/0001

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(NAGPUR UNIT)



MoEF RECOGNIZED ENVIRONMENTAL LABORATORY
VALIDITY UPTO 08.02.2022

Nov-2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AN-6

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	54.6	57.6	65.8	48.3
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	45.4	49.3	58.3	42.7

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For SMS Envirocare Ltd.,

Dr. D. G. Bhatnagar
Authorized Signatory

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CIN: U49105MH2005PLC150780

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ENVIRO POWER LIMITED
(NAGPUR UNIT)

ISO 9001 : 2015 C No. : 45121A/001/UKEn
ISO 14001 : 2015 C No. : 45121B/001/UKEn
OHSAS 18001 : 2007 C No. : 45121C/001/UKEn

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Nov-20/AN-7

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.11.2020
Date of Report : 07.12.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	54.2	49.8	51.7	52.7
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	44.6	43.1	42.2	39.8

*All values are in dB(A)

Details:

- NA-5: Khamaria village (Buffer Zone)
- NA-6: Nr School, Rampura village (Buffer Zone)
- NA-7: At Durga House (Buffer Zone)
- NA-8: At Banjari Temple (Buffer Zone)

For SMS Envirocare Ltd,

Dr. D.G. Battalwar
Authorized Signatory

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महाराष्ट्र
पर्यावरण संरक्षण
अधिकार अधिनियम, १९८६

Dec 2020



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AN-11

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	55.2	58.2	64.2	49.4
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	45.8	47.8	57.5	44.2

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For Maharashtra Enviro Power Limited,
Dr. G. B. Bhatnagar
Authorized Signatory

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OHSAS 18001 : 2007 C No : 49121C/001/UKEn

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(NAGPUR UNIT)



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जहाँ है प्रकृति।
वहाँ है सुख।



Dec-2020

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Dec-20/AN-12

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 29.12.2020
Date of Report : 06.12.2020
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	55.1	49.6	51.7	52.7
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	45.1	44.3	43.5	41.6

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
NA-6: Nr School, Rampura village (Buffer Zone)
NA-7: At Durga House (Buffer Zone)
NA-8: At Banjari Temple (Buffer Zone)

For Maharashtra Enviro Power Limited,
Dr. G. B. Bhatnagar
Authorized Signatory

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HSAS 18001 : 2007 C No. : 49121C/001/UKIE



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Jan-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Garc/2020-21/Jan-21/AN-01to04

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	56.4	57.4	65.2	50.3
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	46.2	48.1	55.9	45.3

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
Authorized Signatory

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ISO 14001 : 2015 C No. : 49121JB/001/UK/EN
OHSAS 18001 : 2007 C No. : 49121JC/001/UK/EN

Site Off. : CHW01, Mandwa, Butibori Ind. Estate, Butibori, Nagpur.
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(NAGPUR UNIT)

Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Jan-21/AN-05to08

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 30.01.2021
Date of Report : 06.02.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	54.1	47.9	52.3	54.3
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	44.5	43.8	43.5	42.7

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
 NA-6: Nr School, Rampura village (Buffer Zone)
 NA-7: At Durga House (Buffer Zone)
 NA-8: At Banjari Temple (Buffer Zone)

For Maharashtra Enviro Power Limited,

Dr. D.G. Battalwar
 Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AN-12to 15

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	57.9	60.8	66.5	55.4
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	48.7	52.1	57.2	43.9

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)

For SMS Envirocare Ltd,

Authorized Signatory

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Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Feb-21/AN-15to 18

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
 PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.02.2021
Date of Report : 03.03.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	52.6	50.2	52.6	54.8
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	43.1	43.5	43.7	34.3

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
 NA-6: Nr School, Rampura village (Buffer Zone)
 NA-7: At Durga House (Buffer Zone)
 NA-8: At Banjari Temple (Buffer Zone)

For SMS Envirocare Ltd.,



Authorized Signatory

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महाराष्ट्र

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March-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/AN-44to 47

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-1	NA-2	NA-3	NA-4
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	58.4	62.2	65.6	54.8
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	47.5	50.3	55.8	44.2

*All values are in dB(A)

Details:

NA-1: Near Main Gate (Core Zone)
NA-2: At Site Office (Core Zone)
NA-3: Near Weigh Bridge (Core Zone)
NA-4: Near Parking (Core Zone)



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ISO 9001 : 2015 C No. : 49121(AJ001)UK/En
ISO 14001 : 2015 C No. : 49121(BJ001)UK/En
OHSAS 18001 : 2007 C No. : 49121(CJ001)UK/En

Site Off. : CHW01, Mandwa, Butibori Ind. Estate, Butibori, Nagpur.

Landline M. : 8805947186, 9923037416

Head Office : 20, IT Park, Parsodi, Nagpur - 440 022, Maharashtra (India)

Ph. 0712 - 7125000, 7125200 Fax : 0712 - 6665100, Web. : www.smsl.co.in

CIN: U40105MH2005PLC150780

**MAHARASHTRA
ENVIRO POWER LIMITED**
(NAGPUR UNIT)



MoEF RECOGNIZED ENVIRONMENTAL LABORATORY
VALIDITY UPTO 08.02.2022

(जहाँ है हरिकारी)
(जहाँ है सुशान्ति)

March-2021



Ref. No: MEPL/Lab/Cons/EMS/ACL-Gare/2020-21/Mar-21/AN-48to 51

ENVIRONMENT MONITORING REPORT

Name of Industry : Ambuja Cements Limited
Address : Gare Palma IV/8 Coal Mine, Vill: Khamaria
PO: Tamnar, Dist: Raigarh-496111
Date of Sampling : 25.03.2021
Date of Report : 04.04.2021
Type of Work : Adequate Measures (Noise Levels) Monitoring

Details	Monitoring Locations			
	NA-5	NA-6	NA-7	NA-8
Standard Limit (CPCB)	75.0 (day hours)			
Observed Value (day time)	53.4	52.1	53.7	55.2
Standard Limit (CPCB)	70.0 (night hours)			
Observed Value (night time)	44.2	43.7	44.5	37.6

*All values are in dB(A)

Details:

NA-5: Khamaria village (Buffer Zone)
NA-6: Nr School, Rampura village (Buffer Zone)
NA-7: At Durga House (Buffer Zone)
NA-8: At Banjari Temple (Buffer Zone)

For SMS Envirocare Ltd,

Authorized Signatory

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ISO 14001 : 2015 C No. : 49121B001UKIE
OHSAS 18001 : 2007 C No. : 49121C001UKIE