

Ref: ACL (Nlg)/EMD/2023/05/93

30th May 2023

**Additional Director,
Regional Office (North Central),
Ministry of Environment, Forests & Climate Change,
Government of India
25, Subhash Road, Dehradun - 248001**

Sub: Half Yearly compliance of conditions of Environmental Clearance.

Dear Sir,

This has reference to the Environmental Clearance granted to our plant by MoEFCC vide letter no J-11011/173/2008-IA-II(I) dated 22 August 2008.

We are enclosing a point-wise status report from October 2022 to March 2023 on compliance of the stipulated environmental conditions/safeguards of Environmental clearance letter referred above.

Apart from this we are also submitting the report along with all supporting data as soft copy through e-mail address: **moef.ddn@gov.in**.

Hope you will find the information in order.

Thanking you.

Yours faithfully,

For **Ambuja Cements Limited (Unit: Nalagarh)**
30/05/23**Authorized Signatory**

Encl: As above

CC - The Member Secretary, - Hard copy
H.P. State Pollution Control Board,
Him Parivesh', Phase-III, New Shimla,
Shimla-171009, HP

Regional Officer, - Hard Copy
HP State Pollution Control Board,
Baddi, Distt. Solan (H.P.)

Ambuja Cements Limited
Unit - Nalagarh
Village Navagraon, P.O. Jajhra,
Tehsil Nalagarh, District Solan HP
174101, India
CIN: L26942GJ1981PLC004717

Registered Office:
Adani Corporate House
Shantigram, S. G. Highway
Khodiyar, Ahmedabad - 382 421
Gujarat, India
Ph +91 79-2555 5555

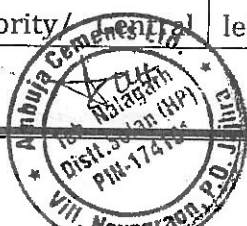
Compliance of Conditions of Environment Clearance

Name of the Project: Ambuja Cements Ltd., Village Navagraon, P.O. Jajhra,
Tehsil Nalagarh, Distt. Solan (H.P.)

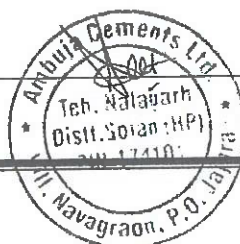
Clearance letter No.: J-11011/173/2008-IA-II(I) dated 22 August 2008

Period of Compliance: October 2022 to March 2023

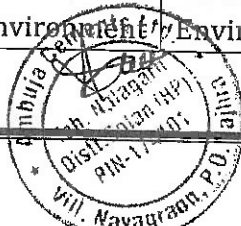
Sl. No.	Condition	Compliance Status
A	Specific Conditions	
i	The particulate matter emissions from various sources shall not exceed 50 mg/Nm ³ . The fugitive emissions during loading and unloading shall be suitably controlled. Bag house/ filters shall be provided to control air emissions to achieve the prescribed standards.	To achieve the prescribed standards of Ambient air and Stack emissions, 27 Nos. of Bag filters and one main Bag House have been installed. Stack emissions are maintained well below the prescribed limit. Last monitoring was done by M/s Environ Tech Laboratory (a NABL accredited laboratory and recognized under Environment (Protection) Act, 1986) on 14 th March 2023. Reports are attached as Annexure 1 .
ii	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Himachal Pradesh Pollution Control Board (HPPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	6 manual monitoring stations have already been fixed as per guidance of HP State Pollution Control Board for carrying out Ambient Air Quality Monitoring out of which four are within plant and 2 outside plant. Last monitoring done by M/s Environ Tech Laboratory (a NABL accredited laboratory and recognized under Environment (Protection) Act, 1986) on 14 th - 15 th March 2023. All the results were within the prescribed limits. Reports are attached as Annexure 2 .
iii	The company shall obtain permission for drawl of 400 m ³ /day ground water from the Central Ground Water Authority/	Required permission has been obtained and a copy of permission letter has already been submitted to



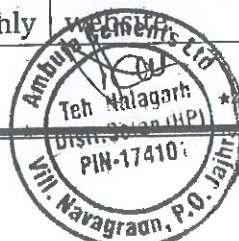
	Ground Water Board and copy of the same shall be submitted to the ministry and its Regional Office at Chandigarh within three months from the date of issue of this letter.	the Regional office of MoEF, at Chandigarh vides our letter dated 22 nd June 2010.
iv	Green belt shall be developed at least in 33% of plant area to mitigate the effect of fugitive emissions all around the plant as per the guidelines of Central Pollution Control Board.	Greenbelt has been developed in and around the plant premises with native tree species in accordance with CPCB guidelines. Total Green cover is more than 35% of the total area.
v	The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport.	All the raw materials and Cement are transported in tarpaulin covered trucks to avoid fugitive emission during transportation.
vi	No clinker manufacturing facility shall be installed by the company	Clinker manufacturing facility has not been installed. This is a standalone clinker grinding unit
vii	All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.	All recommendations made in the charter of Corporate Responsibility for Environment Protection (CREP) for the cement plants have been implemented and attached as <u>Annexure - 3.</u>
B	GENERAL CONDITIONS	
i	The project authorities shall strictly adhere to the stipulations of the SPCB/ state government or any other statutory body.	All stipulations of SPCB/ State Government and other statutory bodies are being complied and shall be taken care in future also.
ii	All other necessary statutory clearances from the concerned Departments including "No Objection Certificate" from the Himachal Pradesh Pollution Control Board (HPPCB) shall be obtained prior to commencement of construction and/ or operation.	No Objection Certificate was obtained from HPPCB vides letter no. PCB(1114) Ambuja Cement Navagraon/6-13867-73 dated 27/09/2008. All other Statutory Clearances like single window clearance, consent under Air and Water Acts have also been obtained.
iii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the	The point has been noted and will be taken care during expansion or modification in plant in future.



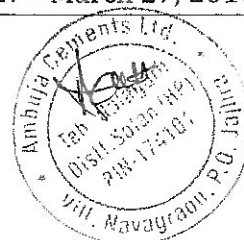
	adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
iv	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Process interlocking system has been provided which shall automatically trip off the mill in case of failure of pollution control system.
v	The gaseous emissions (So ₂ , No _x) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time.	Gaseous emission (So ₂ and No _x) is not applicable in case of stack emissions in grinding unit where we are monitoring Particulate matter only but in case of Ambient air quality they are being monitored. All the values are within the prescribed norms.
vi	The company shall undertake following Waste Minimization measures:	
	➤ Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	No by product is being generated from process.
	➤ Use of "Close pneumatic" system for transport of fine material.	All fine materials are transported in closed systems to avoid any leakage/spillage.
	➤ All venting systems shall be connected with dust arresting equipments.	All material transfer points and venting systems are equipped with Bag Filters.
	➤ Dust collect in pollution control equipments shall be reused.	Dust collected in pollution control equipment is automatically recycled in the respective process.
vii	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Fugitive emissions in work zone environment, product and raw materials storage area is regularly monitored and are conforming to the prescribed norms.
viii	The overall noise levels in all around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment/Environment (Protection) Act, 1986	All possible noise control measures have been taken. Ambient Noise is regularly monitored and Noise Level monitoring done by M/s Environ Tech Laboratory (a NABL accredited laboratory recognized under Environment (Protection) Act, 1986)



	(Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	on 14 th March, 2023. Reports are attached as Annexure - 4 .
ix	The company shall develop rainwater harvesting structures to harvest the runoff water for recharge of ground water.	Three rainwater harvesting structures with proper drainage system have been made for collection of rainwater to recharge the ground water.
x	Occupational health and safety measures shall be undertaken. Periodic monitorial for exposure to dust on the workers should be conducted and records maintained including health records of the workers. The company shall engage a doctor who is trained in occupational health.	Occupational Health & Safety is given the topmost priority in our company. An occupational health centre has been set up with qualified doctor and a pharmacist. Regular medical checkup has been conducted for the workers as well as employees on annual basis and keeping proper records. The company has set up a separate OH&S Department that ensures strict adherence to all safety norms.
xi	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Ambuja Cement Foundation (ACF) has been set up by the company for looking after Eco-developmental and community welfare measures in the project area and is working since the inception of the project.
xii	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	To look after the environmental management and monitoring, the company has set up a separate Environmental Management Cell.
xiii	The project authorities shall earmark Rs. 2.20 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for all the conditions stipulated herein shall be submitted to the Ministry's Regional Office. The funds so provided shall not be diverted for any other purpose.	Though a sum of Rs.2.20 Crores was earmarked to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government, we have spent more than Rs.41 Crores on Environment Protection measures and other related activities.
xiv	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six-monthly	Six monthly compliance reports are being submitted regularly. Report has also been posted on the company



	compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	
xv	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one should be in the Vernacular language of the locality and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	The condition has been complied with. The same had been advertised in two local news papers (The Tribune and Dainik Bhaskar) dated 29 th August 2008 in Hindi and the same had been forwarded to Regional Office of the Ministry, Chandigarh vides our letter dated 9 th September 2008.
xvi	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of project.	The project was approved by the state govt. on March 11, 2008; EC was granted by MoEF on August 22, 2008. The project activities at site were formally started in January 2009. Consent to Operate was issued by State Pollution Control Board on 23 rd March 2010 and production started on 27 th March 27, 2010.

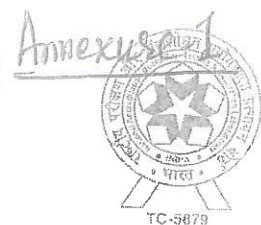




Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10031, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT



DISPATCH No:-ETL/DSP/23 3402

To
M/s AMBUJA CEMENT LIMITED(UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232809	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Stack of Vertical Roller Mill (Inside)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2809
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

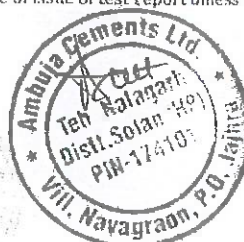
PART-A

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Vertical Roller Mill(inside)
3	Fuel used in source	Furnace oil
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.9 m/s
6	Sampling Duration	35 min.
7	Ambient air temperature	29°C
8	Stack temperature	84°C
9	Stack height from ground level	54 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	8.7	30	IS:11255(Pt-1):2003 reaffirmed 2014
2.	Sulphur Dioxide (as SO ₂), mg/Nm ³	8.3	...	IS:11255(Pt-2):2003 reaffirmed 2014
3.	Oxide of Nitrogen(NO _x as NO ₂), mg/Nm ³	40.5	...	IS:11255(Pt-7):2005 reaffirmed 2017

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEET SINGH SINGH
Technical Manager
Environ Tech Laboratories
Page 1 of 2

1/8

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3402

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232809	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Stack of Vertical Roller Mill (Inside)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2809
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

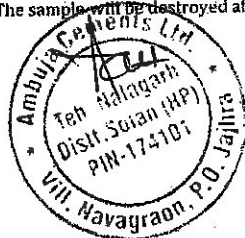
PART-B

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Vertical Roller Mill(Inside)
3	Fuel used in source	Furnace oil
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.9 m/s
6	Sampling Duration	35 min.
7	Ambient air temperature	29°C
8	Stack temperature	84°C
9	Stack height from ground level	54 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO.	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Carbon Monoxide, (as CO)	53	---	IS 13270:1992 Reaffirmed 2003

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



** END OF REPORT **

(Authorized Signatory)

Technical Manager
Environ Tech Laboratories

Page 2 of 2

218

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : envirotechlab72@yahoo.com | Website : www.envirotechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-09081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:- ETL/DSP/23 3401

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101



Report No.	ETL/44/2023/G/232810	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	NH	Date of sampling	14.03.2023
Sampling Location	Stack of Vertical Roller Mill (Outside)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2810
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

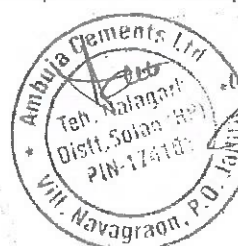
PART-A

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Vertical Roller Mill (Outside)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.7 m/s
6	Sampling Duration	34 min.
7	Ambient air temperature	29°C
8	Stack temperature	78°C
9	Stack height from ground level	54 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO.	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	11.9	30	IS:11255(Pt-1):2003 reaffirmed 2014
2.	Sulphur Dioxide (as SO ₂), mg/Nm ³	7.1	...	IS:11255(Pt-2):2003 reaffirmed 2014
3.	Oxide of Nitrogen (NO _x as NO ₂), mg/Nm ³	39.2	...	IS:11255(Pt-7):2005 reaffirmed 2017

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJAY SINGH SAINI
Technical Manager
Environ Tech Laboratories

Page 1 of 2

38

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/23 3401

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232810	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Stack of Vertical Roller Mill [Outside]	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2810
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

PART-B

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Vertical Roller Mill(Outside)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.7 m/s
6	Sampling Duration	34 min.
7	Ambient air temperature	29°C
8	Stack temperature	78°C
9	Stack height from ground level	54 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO.	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Carbon Monoxide, (as CO)	68	---	IS 13270:1992 Reaffirmed 2003

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



END OF REPORT

(Authorized Signatory)

ANIL CHAND Bhatt
Technical Manager
Environ Tech Laboratories

4/8
Page 2 of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:-ETL/DSP/23 3403



To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232811	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03 2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Process Stack of Packing plant (Packer no.2)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2811
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packing plant (Packer no.2)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.9 m/s
6	Sampling Duration	35 min
7	Ambient air temperature	29°C
8	Stack temperature	86°C
9	Stack height from ground level	31.6 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	12.7	30	IS:11255(Pt -1):2003 reaffirmed 2014

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

ABHIR SINGH SANGH
Technical Manager
Environ Tech Laboratories

Date: 1.4.23

578

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3399



To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232812	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Process Stack of Packing plant (Packer no.1)	Date of Sample Receipt	15.03.2023
Sample Collected By	R.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2012
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packing plant (Packer no.1)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.8 m/s
6	Sampling Duration	34 min.
7	Ambient air temperature	29°C
8	Stack temperature	72°C
9	Stack height from ground level	31.6 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO.	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	11.6	30	IS:11255(Pt -1):2003 reaffirmed 2014

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)
AJEET SINGH GARG
Technical Manager
Environ Tech Laboratories
Page 1 of 1

6/8

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX

Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT



DISPATCH No:-ETL/DSP/23 3404

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232813	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	14.03.2023
Sampling Location	Process Stack of Clinker Tippler (Bag Filter no. 1)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2813
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Clinker Tippler (Bag Filter no.1)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.3 m/s
6	Sampling Duration	31 min.
7	Ambient air temperature	29°C
8	Stack temperature	66°C
9	Stack height from ground level	32 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	14.3	30	IS:11255(Pt-1):2003 reaffirmed 2014

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



** END OF REPORT **

(Authorized Signatory)

ANIL KUMAR SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 1

7/8

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. G-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT



DISPATCH No:- ETL/DSP/23 3400

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232814	Report Date	29.03.2023
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack
Sample Code given by Customer	NII	Date of sampling	14.03.2023
Sampling Location	Process Stack of Clinker Tippler (Bag Filter no.2)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2814
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023

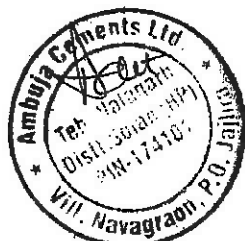
TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Clinker Tippler (Bag Filter no.2)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.1 m/s
6	Sampling Duration	31 min
7	Ambient air temperature	29°C
8	Stack temperature	58°C
9	Stack height from ground level	32 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO.	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	13.6	30	IS:11255(Pt-1):2003 reaffirmed 2014

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEEZ SINGH SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 1

2/8

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX

Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (C) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

Annexure 2



TC-5879



TEST REPORT

DISPATCH No:-ETL/DSP/23 3389

To :
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232793	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Labour Hutment towards Jajhru	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2793
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)	
1	Location of Sampling Station	Station no.1 (Labour Hutment towards Jajhru)
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 32°C Min temp. 15°C
6	Flow Rate of Gaseous Sampling	Clear sky, wind direction West to South
7	Time Period for Sampling	0.2 LPM
8	Volume of air Sampled(m ³)	1440 Min
		1.39

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM ₁₀)	85.3	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	9.1	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	23.4	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	42.1	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

Technical Manager
Environ Tech Laboratories

Page 1 Of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX

Email : envirotechlab72@yahoo.com | Website : www.envirotechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No-ETL/DSP/23 3389

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232793	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 - 15.03.2023
Sampling Location	Labour Hutment towards Jujhru	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample ID:	ETL/32/2023/2793
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 - 29.03.2023
S.No	TECHNICAL DATA (PART-B)		
1	Location of Sampling Station	Station no.1 (Labour Hutment towards Jujhru)	
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler	
3	Source of Sampling	Ambient Air	
4	Temperature of Sampling Location	30°C	
5	Environmental Condition	Max temp. 32°C Min temp. 15°C Clear sky, wind direction West to South	
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM	
7	Time Period for Sampling	1440 Min	
8	Volume of air Sampled(m ³)	1.39	

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS:5182(P-10):Jodine Pentoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	430.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

Note:

BDL denotes below detection limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

(Authorized Signatory)

AJAY SINGH SAINI
Technical Manager
Environ Tech Laboratories

2/12

Page 2 of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT



DISPATCH No:-ETL/DSP/233390

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGENAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

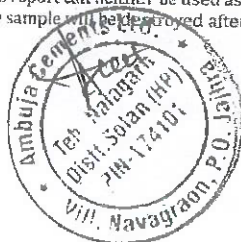
Report No.	ETL/44/2023/G/232794	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.2, Near Rain Water Harvesting structure	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2794
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)	
1	Location of Sampling Station	Station No.2, Near Rain Water Harvesting structure
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32 °C Min temp. 15 °C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	0.2 LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	1.43

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM ₁₀)	83.7	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	9.3	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	22.5	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	41.3	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Signature)
(Authorized Signatory)
AJEET KUMAR SAINI
Technical Manager
Environ Tech Laboratories

3/12

Page 1 Of 1

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/23 3390

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/C/232794	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.2, Near Rain Water Harvesting structure	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2794
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)	
1	Location of Sampling Station	Station No.2 Near Rain Water Harvesting structure
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32° C Min temp. 15° C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	1.43

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS:5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

Note:

BDL denotes below detection limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

(Authorized Signatory)

ADARSH KUMAR
Technical Manager
Environ Tech Lab. Mohali

4/12

Page 2 of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:-ETL/DSP/23 3391

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

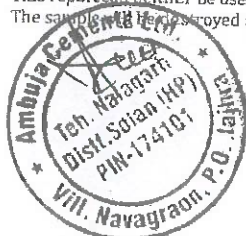
Report No.	ETL/44/2023/G/232795	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.3 Near Administrative building	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2795
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)
1	Location of Sampling Station Station No.3 Near Administrative building
2	Instrument Used for Sampling RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling Ambient Air
4	Temperature of Sampling Location 30°C
5	Environmental Condition Max temp. 32°C Min temp. 15°C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling 0.2 LPM
7	Time Period for Sampling 1440 Min
8	Volume of air Sampled(m ³) 1.44

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM ₁₀)	78.2	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	9.7	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	25.1	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	39.5	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample shall be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

Technical Manager
Environ Tech Laboratories
Page 1 Of 2

5/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/23 3391

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232795	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 - 15.03.2023
Sampling Location	Station No.3 Near Administrative building	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2795
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 - 29.03.2023

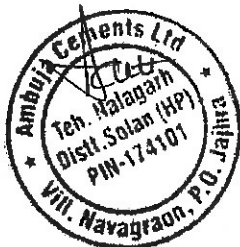
S.No	TECHNICAL DATA (PART-B)	
1	Location of Sampling Station	Station No.3 Near Administrative building
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 32°C Min temp. 15°C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	1.44

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS:5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

Note:

BDL denotes below detection limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

(Authorized Signatory)

Page 2 of 2
Environ Tech Laboratories
6/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 23 3392

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

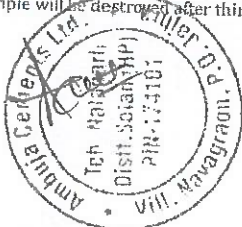
Report No.	ETL/44/2023/G/232796	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station no.4(Roof Top of Guest House)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2796
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)
1	Location of Sampling Station
2	Instrument Used for Sampling
3	Source of Sampling
4	Temperature of Sampling Location
5	Environmental Condition
6	Flow Rate of Gaseous Sampling
7	Time Period for Sampling
8	Volume of air Sampled(m ³)
	Station no.4(Roof Top of Guest House)
	RDS, PM _{2.5} , Sampler & Gaseous Sampler
	Ambient Air
	30°C
	Max temp. 32°C Min temp. 15°C
	Clear sky, wind direction West to South
	0.2 LPM
	1440 Min
	1.45

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	79.1	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	11.1	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	25.7	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	38.9	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEET SINGH
Tech Lab. Page 1 Of 2
Environ Tech Laboratories

7/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/233392

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232796	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station no.4(Roof Top of Guest House)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2796
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)	
1	Location of Sampling Station	Station no.4(Roof Top of Guest House)
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32°C Min temp. 15 °C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	1.45

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS 5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	100.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

ND denotes NOT Detected



End of Report

(Authorized Signatory)

Environ Tech Laboratories
Technical Manager

Page 2 of 2

8/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3393

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

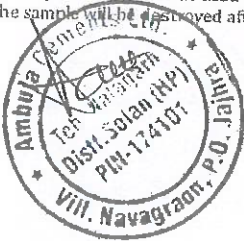
Report No.	ETL/44/2023/G/232797	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station no.5 (Nursery Towards Pater Phaloo)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/2797
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)
1	Location of Sampling Station
2	Instrument Used for Sampling
3	Source of Sampling
4	Temperature of Sampling Location
5	Environmental Condition
6	Flow Rate of Gaseous Sampling
7	Time Period for Sampling
8	Volume of air Sampled(m ³)
	Station no.5 (Nursery Towards Pater Phaloo)
	RDS, PM _{2.5} , Sampler & Gaseous Sampler
	Ambient Air
	30°C
	Max temp. 32°C
	Min temp. 15°C
	Clear sky, wind direction West to South
	0.2 LPM
	1440 Min
	1.43

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM ₁₀)	82.3	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	11.9	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	26.3	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	40.8	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Signature)
(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 2

9/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No.: ETL/DSP/ 23 3393

To
M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232797	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 - 15.03.2023
Sampling Location	Station no.5 (Nursery Towards Pater Phaloo)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2797
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 - 29.03.2023

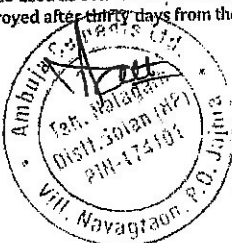
S.No	TECHNICAL DATA (PART-B)	
1	Location of Sampling Station	Station no.5 (Nursery Towards Pater Phaloo)
2	Instrument Used for Sampling	RDS + Gaseous sampler + PM2.5 Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32° C Min temp. 15 °C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	143

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS:5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

ND denotes NOT Detected

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified:



End of Report

(Authorized Signatory)

Technical Director
Environ Tech Laboratories

Page 2 OF 2

60/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059

Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081

GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3394



To
M/s AMBUJA CEMENT LIMITED(UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

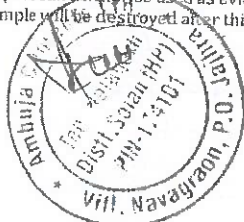
Report No.	ETL/44/2023/G/232798	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.6 (Near STP Towards Ratyor)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2798
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-A)	
1	Location of Sampling Station	Station No.6 (Near STP Towards Ratyor)
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 32°C Min temp. 15°C
6	Flow Rate of Gaseous Sampling	Clear sky, wind direction West to South
7	Time Period for Sampling	0.2 LPM
8	Volume of air Sampled(m ³)	1440 Min
		1.41

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	84.5	100.0 µg/m ³	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO ₂)	10.2	80.0 µg/m ³	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO ₂)	29.4	80.0 µg/m ³	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM _{2.5})	41.5	60.0 µg/m ³	-	IS: 5182(Pt-24):2019

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEET SINGH BATHI
Technical Manager
Environ Tech Laboratories

Page 1 OF 2

11/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES



Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/233394

To
M/s AMBUJA CEMENT LIMITED(UNIT- NALAGARH)
VILLAGE NAVAGRAON, P.O JAJHRA
TEH. NALAGARH, DISTRICT SOLAN
HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232798	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.6 (Near STP Towards Ratyor)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2798
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

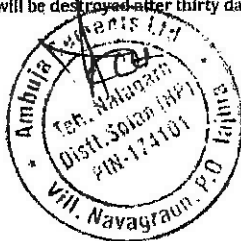
S.No	TECHNICAL DATA (PART-B)	
1	Location of Sampling Station	Station No.6 (Near STP Towards Ratyor)
2	Instrument Used for Sampling	RDS, PM _{2.5} , Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32° C Min temp. 15 °C Clear sky, wind direction West to South
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM
7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(m ³)	1.41

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDL	4.0 mg/m ³ (1 hr)	0.5 µg/m ³	IS:5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m ³	0.1 ng/m ³	IS 5182(Pt-26):2020
5	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12):2004
7	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25):2018
8	Ozone (O ₃)	BDL	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	CPCB Guideline

Note:

BDL denotes below detection limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJAY KUMAR SINGH
Technical Manager
Environ Tech Laboratories

End of Report

Page 2 Of 2

12/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX

Email : envirotechlab72@yahoo.com | Website : www.envirotechlab.com

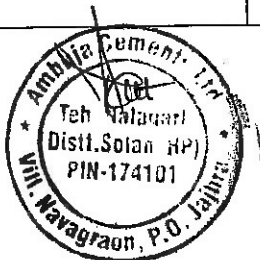
NOT VALID FOR LEGAL PURPOSES

Compliance of Conditions of CREP recommendations
Ambuja Cements Limited (Cement Grinding Unit), Navagraon - Nalagarh (H.P.)

Sl. No.	Recommendation	Compliance Status
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; Augmentation of existing Air Pollution Control Devices - by July 2003. Replacement of existing Air Pollution Control Devices - by July 2004	Unit is already meeting the emission standard.
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100mg/ Nm3 limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm3.	Emission level is maintained below 30 mg/Nm3
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm3 for particulate matter emissions.	Not Applicable being standalone grinding unit.
4	CPCB will evolve load based standards by December 2003.	No load based standard for cement industry particularly applicable to grinding unit has been evolved
5	CPCB and NCBM will evolve SO2 and NOx emission standards by June 2004.	Not Applicable being standalone grinding unit.
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	All the material transfer points are equipped with Bag Filters. Raw materials are stored in Silos or covered areas. The maximum area inside plant has been concreted or developed as green belt to prevent fugitive emission.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	Not Applicable being standalone grinding unit.



8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufactures, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Continuous emission monitoring system has been installed at Cement Mill Stack. Also, a Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed. Both the systems have been connected with CPCB and HPSPCB for online data transmission.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable being standalone grinding unit.
10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	All the particulate matter collected through APCEs is automatically recycled in the respected processes. Moreover we are using fly ash for making Pozolona Portland Cement (PPC) which is waste of Thermal Plants.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not Applicable being standalone grinding unit.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003. * Noncomplying units shall give bank guarantee to respective SPCBs.	Not Applicable being standalone grinding unit.

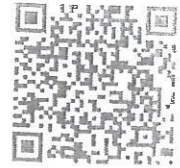




Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018
Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

Annexure-4



TEST REPORT

Dispatch No: ETL/DSP/Z3 3405

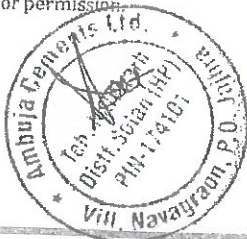
To
M/s AMBUJA CEMENT LIMITED
VILLAGE NAVAGAON, TEHSIL NALAGARH
DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232799-2808	Report Date	29.03.2023
Your Ref. No.	2800943057/NE29/07.03.2023	Type of sample	Ambient Noise Monitoring
Sampling Location	As per mentioned below	Sample I.D.	ETL/32/2023/2799- 2808
Sample monitored By	Mr. K.K Mishra (Field Officer)	Date of monitoring	14.03.2023
Sampling Procedure	ETL/STP/24		

S.No.	Location & Area	Result dB(A) Leq day	Results dB(A) Leq Night	Standard Limit Leq dB(A)(Day/Night)	Test Method
1	Near material Gate	69.2	61.5	75	IS:9989 Ref.2014
2	Near Admin building	64.3	58.9	75	
3	Near Scrap yard	69.5	63.1	75	
4	Near STP on road	69.3	61.9	75	
5	Near MPSS Building	70.9	62.5	75	
6	In front of DO	69.5	62.3	75	
7	Near Borewell / Dispensary	68.9	61.9	75	
8	Near Store Building	68.5	62.1	75	
9	Near Weigh Bridge	69.4	63.1	75	
10	Near rain Water Harvesting	70.1	62.5	75	

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



End of Report

(Authorized Signatory)

PAGE 1 OF 1

Environ Tech Laboratories
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX
Email : envrontechlab72@yahoo.com | Website : www.envrontechlab.com

NOT VALID FOR LEGAL PURPOSES