

Ref: ACL (Nlg)/EMD/2024/11/03

26th Nov 2024

**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 noJ-11011/173/2008-IA-II(I) dated 22 August 2008.

We are enclosing a point-wise status report from April 2024 to Sep 2024 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)**


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. Jajhira,
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
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Compliance of Conditions of Environment Clearance

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

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

Period of Compliance: April 2024 to September 2024

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, 28 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 9 th September 2024. Reports are attached as Annexure A.
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.	5 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 10 th Sep, 2024 & 11 th Sep 2024. All the results were within the prescribed limits. Reports are attached as Annexure B.
iii	The company shall obtain permission for drawl of 400 m ³ /day ground water from the Central Ground Water Authority/ Central Ground Water Board and copy of the same shall be submitted to the ministry and its Regional Office at	Required permission has been obtained and a copy of permission letter has already been submitted to the Regional office of MoEF, at Chandigarh vide our letter dated 22 nd June 2010.

	Chandigarh within three months from the date of issue of this letter.	
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.
vii	All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.	All the recommendations made in the charter of Corporate Responsibility for Environment Protection (CREP) for the cement plants have already been implemented and attached as Annexure C.
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. Latest consent is valid up to 31/03/2025.
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	The point has been noted and will be taken care during expansion or modification in plant in the future.

	Ministry to assess the 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 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 the 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. The monitoring report is attached as Annexure D .
viii	The overall noise levels in all around the plant area shall be kept well within the standards by providing	All possible noise control measures have been taken. Ambient Noise is regularly monitored and Noise Level

	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 (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	monitoring done by M/s Environ Tech Laboratory (a NABL accredited laboratory and recognized under Environment (Protection) Act, 1986) on 9 th Sep 2024. Reports are attached as Annexure E .
ix	The company shall develop rain water harvesting structures to harvest the runoff water for recharge of ground water.	Three rain water harvesting structures with proper drainage system have been made for collection of rain water 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 top most 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 health Department that ensures strict adherence to all 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	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. 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.	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 compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Six monthly compliance reports are being submitted regularly. Report has also been posted on the company website.
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 March 23, 2010 and production started on March 27, 2010.

Annexure A

Stack Emission Reports



Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2609
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Stack Emission	ULR No.	TC587924000003620F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2609
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Process Stack of Packing Plant(PackerNo.2)	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA			
Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Packing Plant(PackerNo.2)	
Engine S. No	--	Model Name	--
Mfg. Year	--	Type of Fuel Used	Electricity
Diameter Of Stack mtr.	1.0	Fuel Used Qty. (Per Hour)	--
Stack Height from Ground Level mtr.	31.6	Type Of Stack	Circular & Metal
Ambient Temperature °C	31	Average Flow Rate (LPM)	29
Stack Temperature °C	44	Sampling Duration (min)	34
Velocity of Flue Gases (m/s)	7.19	Control Measure (if any)	Bag filter
Sampling Point	Sampling done from stack of port hole		Volumetric flow rate (Nm ³ /Hr)
			18868

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter as PM ₁₀ /Nm ³	24	150	IS11255(P-1) 1985

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

Note: DL: Denotes Detection Limit
1. The test report refers only to tested sample and applicable parameters.
2. 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.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2610
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Stack Emission	ULR No.	TC587924000003621F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2610
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Process Stack of Packing Plant(PackerNo.1)	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument
Source of Emission	Stack Attached to Packing Plant(PackerNo.1)
Engine S. No	--
Mfg. Year	--
Diameter Of Stack mtr.	1.0
Stack Height from Ground Level mtr.	31.6
Ambient Temperature °C	31
Stack Temperature °C	43
Velocity of Flue Gases (m/s)	6.78
Sampling Point	Sampling done from stack of port hole
Model Name	--
Type of Fuel Used	Electricity
Fuel Used Qty. (Per Hour)	--
Type Of Stack	Circular & Metal
Average Flow Rate (LPM)	27
Sampling Duration (min)	37
Control Measure (if any)	Bag Filter
Volumetric flow rate (Nm3/Hr)	17848

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter as PM ₁₀ /Nm ³	21	150	IS11255(P-1) 1985

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2640
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Stack Emission	ULR No.	TC587924000003651F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2640
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Process Stack of Clinker Tippler No.1	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument
Source of Emission	Stack Attached to Clinker Tippler No.1
Engine S. No	--
Mfg. Year	--
Diameter Of Stack mtr.	1.0
Stack Height from Ground Level mtr.	32.0
Ambient Temperature °C	30
Stack Temperature °C	41
Velocity of Flue Gases (m/s)	6.65
Sampling Point	Sampling done from stack of port hole
Model Name	--
Type of Fuel Used	Electricity
Fuel Used Qty. (Per Hour)	--
Type Of Stack	Circular & Metal
Average Flow Rate (LPM)	27
Sampling Duration (min)	37
Control Measure (if any)	Bag filter
Volumetric flow rate (Nm ³ /Hr)	17617

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter as PM ₁₀ /Nm ³	19	150	IS11255(P-1) 1985

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2641
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Stack Emission	ULR No.	TC587924000003652F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2641
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Process Stack of Clinker Tippler No.1	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument
Source of Emission	Stack Attached to Clinker Tippler No.1
Engine S. No	--
Mfg. Year	--
Diameter Of Stack mtr.	1.0
Stack Height from Ground Level mtr.	32
Ambient Temperature °C	30
Stack Temperature °C	42
Velocity of Flue Gases (m/s)	6.70
Sampling Point	Sampling done from stack of port hole
Model Name	--
Type of Fuel Used	Electricity
Fuel Used Qty. (Per Hour)	--
Type Of Stack	Circular & Metal
Average Flow Rate (LPM)	27
Sampling Duration (min)	37
Control Measure (if any)	Bag filter
Volumetric flow rate (Nm ³ /Hr)	17720

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
I	Particulate Matter as PM ₁₀ /Nm ³	22	150	IS11255(P-I) 1985

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



Ambuja Cement Limited

Village Navagraon, Tehsil Nalagarh distt Solan HP-174010

TESTREPORT

Customer Ref. Number	NM	Report No.	ETL/16092024/2614
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Stack Emission	ULR No.	TC587924000003625F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2614
Quantity	1.00NOS	Date of Sampling	09.09.2024
Sampling Location	Stack of Vertical Roller Mill	Date of Sample Receipt	10.09.2024
Sample Collected By	Mr. K.K Mishra & Team	Date of Test Performance	10.09.2024 – 16.09.2024
Sampling Procedure	As per Lab SOP	Packing Mode	Air Tight Bag

Discipline :Chemical

Group: Atmospheric Pollution

TECHNICALDATA			
Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Vertical Roller Mill	
Engine S. No	--	Model Name	--
Mfg. Year	--	Type of Fuel Used	Electricity
Diameter Of Stack, mtr	1.0	Fuel Used Qty .(Per Hour)	--
Stack Height from Ground Level ,mtr	54	Type Of Stack	Circular & Metal
Ambient Temperature °C	30	Average Flow Rate (LPM)	14
Stack Temperature °C	93	Sampling Duration (min)	71
Velocity of Flue Gases(m/s)	9.03	Control Measure (if any)	--
Sampling Point	Sampling done from stack of port hole	Volumetric Flow Rate(Nm3/Hr)	20524

Sr. No.	PARAMETERS	RESULTS	Limits as per CPCB	TESTMETHOD
I	Particulate Matter (as PM) , mg/Nm ³	27	30	IS11255(P-I)1985

ENDOFREPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
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Annexure B

Ambient Air Quality Monitoring Reports



Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/17092024/2653
Sample Code given by Customer	N.M	Report Date.	17.09.2024
Type of Sample	Ambient Air	ULR No.	TC587924000003661F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2653
Quantity	1.00 NOS	Date of Sampling	10.09.2024 - 11.09.2024
Sampling Location	Guest House	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	12.09.2024 - 17.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical Group: Atmospheric Pollution

TECHNICAL DATA	
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

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(PM10)	78	100.0 µg/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	9	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	20	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	40	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.80	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	Not Detected	1.0 µg/m3	0.1 µg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)		1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	17	180.0 µg/m3(1hr)	5.0 µg/m3	IS:5182 (P-9) 1974

END OF REPORT



Ramesh Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

Note: ND: Not Detected BDL: Denotes Below Detection Limit DL: Denotes Detection Limit
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/17092024/2654
Sample Code given by Customer	N.M	Report Date.	17.09.2024
Type of Sample	Ambient Air	ULR No.	TC587924000003662F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2654
Quantity	1.00 NOS	Date of Sampling	10.09.2024 - 11.09.2024
Sampling Location	Nursery	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	12.09.2024 - 17.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical Group: Atmospheric Pollution

TECHNICAL DATA	
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

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(PM10)	85	100.0 µg/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	10	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	22	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	43	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.92	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 µg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	19	180.0 µg/m3(1hr)	5.0 µg/m3	IS:5182 (P-9) 1974

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/17092024/2655
Sample Code given by Customer	N.M	Report Date.	17.09.2024
Type of Sample	Ambient Air	ULR No.	TC587924000003663F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2655
Quantity	1.00 NOS	Date of Sampling	10.09.2024 - 11.09.2024
Sampling Location	STP Area	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	12.09.2024 - 17.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	STP Area
2	Instrument Used for Sampling	RDS, PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32°C Min temp. 26°C Clear Sky
6	Flow Rate of Gaseous Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(PM10)	90	100.0 µg/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	11	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	24	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	45	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	1.0	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 µg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	20	180.0 µg/m3(1hr)	5.0 µg/m3	IS:5182 (P-9) 1974

END OF REPORT

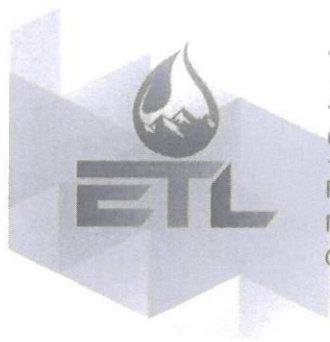


Rameshwar Kumar
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/17092024/2606
Sample Code given by Customer	N.M	Report Date.	17.09.2024
Type of Sample	Ambient Air	ULR No.	TC587924000003617F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2606
Quantity	1.00 NOS	Date of Sampling	09.09.2024 - 10.09.2024
Sampling Location	Station No.1(Labour Hutment Towards Jujhru)	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 17.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical		Group: Atmospheric Pollution
TECHNICAL DATA		
1	Location of Sampling Station	Station No.1(Labour Hutment Towards Jujhru)
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 32 °C
		Min temp. 26°C
		Clear Sky
6	Flow Rate of Gaseous Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(PM10)	74	100.0 µg/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	8	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	20	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	38	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.70	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 µg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	17	180.0 µg/m3(1hr)	5.0 µg/m3	IS:5182 (P-9) 1974

END OF REPORT

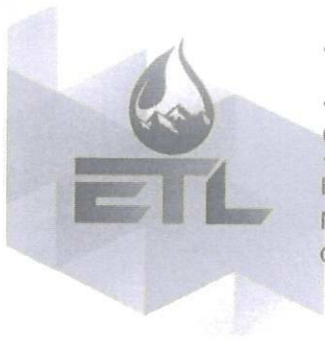


Rameshwar Kumar
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Technical Manager-II
Environ Tech Laboratories

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TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/17092024/2608
Sample Code given by Customer	N.M	Report Date.	17.09.2024
Type of Sample	Ambient Air	ULR No.	TC587924000003619F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2608
Quantity	1.00 NOS	Date of Sampling	09.09.2024 - 10.09.2024
Sampling Location	Station No.3, Near Administrative Building	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 17.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical		Group: Atmospheric Pollution
TECHNICAL DATA		
1	Location of Sampling Station	Station No.3, Near Administrative Building
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	30 °C
5	Environmental Condition	Max temp. 32°C
		Min temp. 26°C
		Clear Sky
6	Flow Rate of Gaseous Sampling	0.2 &1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(PM10)	83	100.0 µg/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	8	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	21	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	41	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.88	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 µg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	21	180.0 µg/m3(1hr)	5.0 µg/m3	IS:5182 (P-9) 1974

END OF REPORT



Rameshwar Kumar
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Technical Manager-II
Environ Tech Laboratories

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Annexure C

CREP (Corporate Responsibility for Environment Protection) Recommendations Compliance

Annexure C

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/ Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Emission level is maintained below 30 mg/Nm ³
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm ³ 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 SO ₂ and NO _x 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	Continuous emission monitoring system has been installed at Cement

	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	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.

Annexure D

**Fugitive Dust Emission Monitoring
Reports**



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2611
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000003622F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2611
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near Packer Operator	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Instrument Used for Sampling	Haudy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	1 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m ³	0.687	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO ₂ ,mg/m ³	0.008	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO ₂ ,mg/m ³	0.018	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m ³	0.73	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2612
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000003623F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/10092024/2612
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Material Gate	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	10.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA	
1	Instrument Used for Sampling
2	Source of Sampling
3	Flow Rate of Sampling
4	Time Period for Sampling

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m ³	0.208	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO ₂ ,mg/m ³	0.007	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO ₂ ,mg/m ³	0.016	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m ³	0.70	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

END OF REPORT



Rameshwar Kumar
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2643
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000003654F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2643
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near Gypsum Feeding Operator	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA		
1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	1 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m ³	0.833	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO ₂ ,mg/m ³	0.010	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO ₂ ,mg/m ³	0.022	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m ³	0.80	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

END OF REPORT

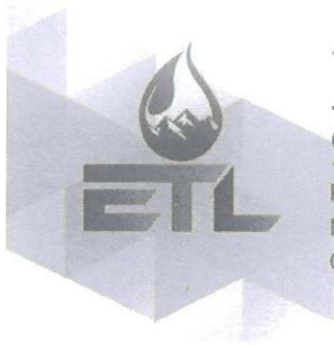


Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

Note:
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2644
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000003655F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/11092024/2644
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near Fly Ash Unloading Operator	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA		
1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	1 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m ³	0.979	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO ₂ ,mg/m ³	0.011	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO ₂ ,mg/m ³	0.020	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m ³	0.85	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

END OF REPORT



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(Authorized Signatory)
Technical Manager-II
Enviro Tech Laboratories

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Annexure E

Ambient Noise Monitoring Reports



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TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2630
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003641F
Sampling Condition	NA	Sample Reg No.	ETL/A/10092024/2630
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near Admin Building	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution

Sample Description: Satisfactory

PART A

S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	63.5	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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TC-5879

TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2631
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003642F
Sampling Condition	NA	Sample Reg No.	ETL/A/10092024/2631
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near STP On Road	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical	Group: Atmospheric Pollution
Sample Description: Satisfactory	

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	68.3	85	IS 9989:1981

END OF REPORT



Ramesh Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2632
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003643F
Sampling Condition	NA	Sample Reg No.	ETL/A/10092024/2632
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near Rain Water Harvesting	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	68.7	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2633
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003644F
Sampling Condition	NA	Sample Reg No.	ETL/A/10092024/2633
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near Material Gate	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	71.4	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
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Technical Manager-II
Environ Tech Laboratories

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TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2634
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003645F
Sampling Condition	NA	Sample Reg No.	ETL/A/10092024/2634
Quantity	1.00 NOS	Date of Sampling	09.09.2024
Sampling Location	Near Weigh Bridge	Date of Sample Receipt	10.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	75.9	85	IS 9989:1981

END OF REPORT



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Technical Manager-II
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TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2635
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003646F
Sampling Condition	NA	Sample Reg No.	ETL/A/11092024/2635
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near Scrap Yard	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	77.2	85	IS 9989:1981

END OF REPORT



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Technical Manager-II
Environ Tech Laboratories

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TC-5879

TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2636
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC58792400003647F
Sampling Condition	NA	Sample Reg No.	ETL/A/11092024/2636
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near MPSS Building	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution

Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	62.7	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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TC-5879

TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2637
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003648F
Sampling Condition	NA	Sample Reg No.	ETL/A/11092024/2637
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	In Front of DO	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level Day (dB(A) Leq)	66.4	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2638
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003649F
Sampling Condition	NA	Sample Reg No.	ETL/A/11092024/2638
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near Store Building	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	68.9	85	IS 9989:1981

END OF REPORT



Ramesh Kumar
(Authorized Signatory)
Technical Manager-II
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



Ambuja Cement Limited
Village Navagraon
Tehsil Nalagarh distt Solan HP-174010

Customer Ref. Number	PO. No.2800983325/NE29, Dated 10 Feb 2024	Report No.	ETL/16092024/2639
Sample Code given by Customer	N.M	Report Date.	16.09.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000003650F
Sampling Condition	NA	Sample Reg No.	ETL/A/11092024/2639
Quantity	1.00 NOS	Date of Sampling	10.09.2024
Sampling Location	Near Borewell/Dispensary	Date of Sample Receipt	11.09.2024
Sample Collected By	K.K Mishra & Team	Date of Test Performance	11.09.2024 - 16.09.2024
Sampling Procedure	As Per Lab SOP	Packing Mode	NA

Discipline: Chemical Group: Atmospheric Pollution
Sample Description: Satisfactory

PART A				
S.No.	Parameters	Results	LIMIT	Test method
1	Noise Level (dB(A) Leq)	65.8	85	IS 9989:1981

END OF REPORT



Rameshwar Kumar
(Authorized Signatory)
Technical Manager-II
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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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