

Ref: ACL /RPR/UH/ENV/2023/ 284

29<sup>th</sup> May 2023

**Director,  
Ministry of Environment, Forests & Climate Change,  
Northern Regional Office, Bays No. 24-25, Sector 31-A,  
Dakshin Marg, Chandigarh-160030**

**Sub: Half Yearly compliance of conditions of Environmental Clearance.**

Dear Sir,

This has reference to the Environmental Clearance granted to our plant by MoEF&CC vide letter no. J-11011/146/2012-IA-II (I) dated 26<sup>th</sup> May 2016. We are sending a point-wise status report from October 2022 to March 2023 on compliance of the stipulated conditions of Environmental clearance letter referred above through e-mail address: [eccompliance-nro@gov.in](mailto:eccompliance-nro@gov.in) with a request to kindly acknowledge the receipt through return mail.

Hope you will find the information in order.

Thanking you.

Yours faithfully,  
for **Ambuja Cements Limited, (Unit: Ropar)**



**Shashi Bhushan Mukhija  
Plant Manager**

Encl: As above

**CC: Environmental Engineer  
Punjab Pollution Control Board  
Regional Office Rupnagar,  
281, Gaini Zail Singh Nagar  
140001(Punjab)**

- Hard Copy

Ambuja Cements Limited  
Near GGSSTP, PO - Lodhimajara  
District Ropar -140113  
Punjab, India  
Ph +91 1881-257257 | [www.ambujacement.com](http://www.ambujacement.com)

CIN: L26942GJ1981PLC004717



### Compliance of Conditions of Environment Clearance

Name of the Project: Ambuja Cements Ltd., Village Daburji, P.O. Lodhimajra, Tehsil & Distt. Ropar, Punjab - 140113

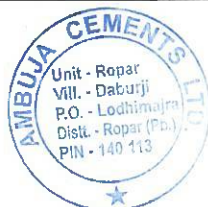
Environmental Clearance letter No.: J-11011/146/2012-IA-II(I) dated 26<sup>th</sup> May 2016

Period of Compliance: October 2022 to March 2023

S. No.	Condition	Compliance status
<b>A. SPECIFIC CONDITIONS</b>		
1.	The project proponent shall install 24x 7 air monitoring devices to monitor air emissions as provided by the CPCB and submit the Report to Ministry and its Regional Office.	CEMS has been installed for continuous monitoring of PM, SO <sub>2</sub> and NO <sub>x</sub> at the stack of Boiler & connected with the SPCB & CPCB server. Opacity meter has been installed for continuous monitoring of PM at the stack of all cement mills & connected with the SPCB & CPCB server.
2.	The Standard issued by the Ministry Vide G.S.R. No. 612(E) dated 25th August 2014 regarding cement plant with respect to particulate matter, SO <sub>2</sub> and NO <sub>x</sub> shall be followed.	This is cement grinding unit and we have installed online dust monitors (opacity meter) in major stacks of the Unit and data of monitoring is being already transmitted to CPCB/SPCB servers. Emission of SO <sub>2</sub> and NO <sub>x</sub> is not applicable in the mill stacks. Particulate matter emission levels are maintained <30 mg/Nm <sup>3</sup> for plant stacks and <50 mg/Nm <sup>3</sup> for boiler stacks. Complying with SO <sub>2</sub> < 600 mg/Nm <sup>3</sup> and NO <sub>x</sub> < 300 mg/Nm <sup>3</sup> respectively for boilers. Report of Particulate matter emission monitoring done in April 2023 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as <b>Annexure - I a</b> CEMS have been installed for continuous monitoring of SO <sub>2</sub> and NO <sub>x</sub> at the stack of Boiler. Storm water management system in the plant has also been established.
3.	Efforts shall be made to achieve power consumption of 70 units for Portland Pozzolana Cement (PPC) and 95 units /ton for Ordinary	This is a standalone cement grinding unit, so clinker is not produced here. We have setup our target of power consumption for Cement production below 32 kwh / Ton of



	Portland Cement (OPC) production and thermal energy consumption 670 K cal/Kg of Clinker.	cement produced.
4.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16th November 2009 shall be followed.	<p>Ambient air quality is being monitored at the six locations.</p> <p>Complying with the National Ambient Air Quality Emission Standards issued by the Ministry.</p> <p>Ambient Air Quality Monitoring is also being conducted through NABL Accredited Lab. Report of Monitoring done in April 2023 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as <b>Annexure - I b</b>.</p> <p>Six monthly compliance report is being submitted on regular basis to the Regional Office, Ministry of Environment, Forests and Climate Change, CPCB and SPCB</p>
5.	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines /Code of Practice issued by the CPCB in this regard shall be followed.	<p>CPCB guidelines for control of fugitive emission have been implemented</p> <p>Following measures have been taken for the control of fugitive emission:</p> <ol style="list-style-type: none"> <li>All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions.</li> <li>Use of Rail along with road transportation</li> <li>Clinker is being stored in clinker storage silo &amp; covered shed, Gypsum and additives are being stored in covered storage sheds, fly ash &amp; cement is being stored in silos. Raw material transfer conveyors are covered with GI sheets to avoid any secondary fugitive emissions.</li> <li>All roads and open areas in the plant are concreted and vehicle movement is allowed only through specific routes for control of secondary fugitive dust emissions.</li> <li>Road sweeping machines are already deployed in the plant clear the spillage/dust accumulated on the</li> </ol>

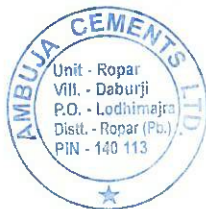


		<p>roads to control the fugitive emissions and maintain proper housekeeping in the plant.</p> <p>f) Improved sealing arrangement in belt conveyors.</p> <p>g) Installed the wheel cleaning system (dry) &amp; Wind wall arrangement for control of fugitive emissions.</p> <p>h) Water spray system has been provided.</p> <p>i) Greenbelt developed in plant area.</p> <p>j) Fugitive emission is well within limit. Report of Monitoring done in April 2023 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as <b>Annexure - I c.</b></p>
6.	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the Surrounding environment including agricultural land by use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.</p>	<p>To ensure and reduce impact of transport on the surrounding environment; raw materials and cement is transported mostly by rail and in trucks covered with tarpaulin. Dry Fly ash is being received by pneumatic pipeline from nearby Guru Govind Singh Super Thermal Power Plant. Transport vehicles are periodically checked for Pollution Under Control certificate from approved agencies.</p> <p>Separate railway siding is commissioned since inception of the plant in 1995 from nearby Guru Govind Singh Super Thermal Plant to our plant site to transport raw materials and around 30-35 % of cement dispatch is also carried out by rail thereby reducing the impact on the surrounding environment caused by transportation activity.</p> <p>Provided wind wall across the raw material yard for controlling the Fugitive emissions. The approaching road towards raw material yard has been concreted for arresting fugitive emissions.</p> <p>The approaching road towards Guru Gobind Singh Super Thermal Plant (GGSSTP) fly ash dykes has been concreted</p>

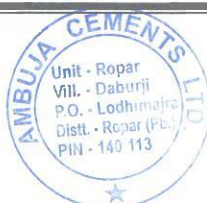




		for arresting fugitive emissions.
7.	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated waste water shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and zero discharge shall be adopted.	<p>Cement manufacturing process is based on dry process technology. Return water from cooling system is routed back to collection tank and recycled back into system.</p> <p>Domestic waste water is treated in Sewage Treatment Plant (STP) and it is being used for cooling in Power Plant and dust suppression system.</p> <p>The wastewater from Captive power plant being treated through the Effluent Treatment Plant and treated water being used in cooling tower after treatment in ETP (comprises of HRSCC-MGF-UF-RO1-RO2-MEE &amp; Solar evaporation ponds). Zero' discharge has been achieved</p> <p>STP treated water is also got tested through NABL Accredited Lab (M/s Environ Tech Laboratories, Mohali). Reports of Testing done in April 2023 are enclosed as <b>Annexure - I d.</b></p>
8.	Efforts shall be made to make use of rainwater harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	A Collection Tank of approximately one lakh Liters is constructed to collect the rainwater in plant area and same is being used for cooling purpose in the plant.
9.	Green belt shall be developed in 33% of the project area within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, along road sides etc. by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.	<p>Green belt has been developed in the plant area with total green cover of more than 33%. The same has been certified by the DFO, State Forest Department vide letter No. 10295 dated.10.01.2019. Certificate is enclosed as <b>Annexure - II</b></p> <p>Local native species are planted for increase survival rate.</p> <p>Plant species like Silver Oak, Aacacia, Ariaculifromis, Neem, Burma Neem, Chakrasia, Amaltas, Teak, Jamun, Jamoa, Satpati and Sagwan etc have been planted</p> <p>Total 31199 numbers of plant/sampling have been planted up to March 2023.</p>



		Details attached as <b>Annexure - III.</b>
10.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	All the applicable conditions of the CREP are complied. Compliance status is enclosed as <b>Annexure - IV</b>
11.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and Submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	<p>We have incurred more than 2.5 % of the project cost. We have spent Rs. 1, 28, 41, 801/- on Environment Protection and other related activities from October 2022 to March 2023. Details of expenses enclosed as <b>Annexure - V a.</b></p> <p>We have also spent approximately Rs. 3, 48, 84, 100/- in 2022-23 on CSR activities in the surrounding areas.</p> <p>Details of Head wise expenses enclosed as <b>Annexure - V b.</b></p> <p>Apart from this we have upgraded the STP with a Capex of Rs. 18.00 Lakh, have installed an OCEMS at ETP with a capex of Rs.14.00 Lakh and installed a Wheel Washing System for the trucks/tippers transporting wet ash from Thermal Plant Dykes with a capex of Rs. 25.00 Lakh.</p>
12.	The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, Sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements Such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3	<p>For the year 2022-23, CSR arm of ACL i.e Ambuja Cement Foundation has spent an approximate amount of Rs.3.49 Crores on CSR activities including Water Resource Management, Agro based livelihood, Skill and entrepreneurship development, Education, Health &amp; Sanitation, women empowerment and infrastructure development etc. Details enclosed above as <b>Annexure - V b</b> and Proposed CSR Expenses up to 2027 are enclosed as <b>Annexure - V c.</b></p>



	years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.	
13.	The project proponent shall provide for solar light system for all common areas, streetlights, Villages, parking around project area and maintain the same regularly.	We have already installed solar lights in the common locations in surrounding villages. Apart from these, 5 Solar LED Lights have been installed in common areas at colony, roadside, Club Building etc. in 2022.
14.	The project proponent shall provide for LED lights in their offices and residential areas.	The point is being complied. All the lights which are damaged/ due for replacement are being replaced with the LED lights. In the year 2022, we have replaced approximately 431 LED lights and in the year 2023, we have replaced about 25 LED lights till date.
15.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	No construction activity proposed. So, no additional facilities required. Existing facilities are available and sufficient for the workers.
<b>B. GENERAL CONDITIONS</b>		
1.	The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.	All the stipulations made by PPCB in their Consents are complied. Half yearly Compliance reports are sent to the regional office, Punjab Pollution Control Board on regular basis.



2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Point noted & agreed. No future expansion will be carried out without prior approval of the MoEF&CC.
3.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and Stack emission shall be regularly submitted to this Ministry including its Regional Office at Chandigarh and the SPCB/CPCB once in six months.	<ul style="list-style-type: none"> <li>Ambient air quality monitoring is being monitored at the six locations of the plant boundary.</li> <li>Complying with the National Ambient Air Quality Emission Standards issued by the Ministry.</li> <li>Stack emission levels are maintained.</li> <li>Six monthly compliance report is being submitted on regular basis to the Regional Office of Ministry of Environment Forests and Climate Change, Chandigarh, CPCB/PPCB</li> </ul>
4.	Industrial wastewater shall be properly collected, treated So as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	<ul style="list-style-type: none"> <li>No wastewater is being generated from the dry cement manufacturing process.</li> <li>Trade Effluent is generated from the Cooling Tower Blow down, Boiler Blow down and is properly treated in ETP and zero liquid discharge maintained. Treated water being used in captive power plant for cooling purpose and dust suppression system.</li> <li>Domestic sewage being generated from colony and plant is also being treated through zero liquid discharge STP and treated water also for dust suppression and in power plant for cooling purpose.</li> <li>STP treated water is also got tested through NABL Accredited Lab (M/s Environ Tech Laboratories, Mohali).</li> <li>Testing Reports of monitoring done in April 2023 are enclosed as <b>Annexure – I d.</b></li> </ul>
5.	The overall noise levels in and around the plant area shall be kept well within the standards (85	<ul style="list-style-type: none"> <li>Overall noise level in and around the plant area are well within the prescribed standards of 85 dB (A)</li> </ul>



	<p>dB(A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).</p>	<ul style="list-style-type: none"> <li>Ambient noise levels at the plant boundary are well within the standards prescribed under EPA Rules viz 75 dB (A) (Day time) and 70 dB (A) (Nighttime). Report of Noise Monitoring from October 2022 to March 2023 is enclosed as <b>Annexure 1e</b>.</li> <li>All necessary noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation are in place and properly maintained. Workplace noise level survey is conducted on regular basis to identify areas with high noise levels. Workers employed in High Noise Area are provided with proper PPEs and their exposure to noise is controlled within the permissible limits.</li> </ul>
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance is being conducted periodically. Last year it was conducted in November-December, 2022. Records are being maintained.
7.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	<p>Constructed rainwater harvesting structures of approximately 1 Lakh m<sup>3</sup> for collection of rain water, which is further being used in Cooling Tower.</p> <p>About 10 structures have also been made in Village Ghanuli, Munguwal, Chakarma Daburjee, Lodhimajra and Bela College Ropar. Ghanauli Drain waste water was being utilized in the captive power plant (CPP) cooling process. However, CPP is not running since October 2022.</p>
8.	The project proponent shall also comply with all the environmental protection measures and Safeguards recommended in the EIA/EMP report. Further, the company must undertake Socio-economic development activities in the surrounding villages like community development	<p>All the environmental protection safeguards are being done.</p> <p>We have incurred a sum of Rs 1, 28, 41,801/- on Environment Protection and other related activities from October 2022 to March 2023. The data is enclosed above as <b>Annexure - V a</b>.</p> <p>Ambuja cement Foundation (ACF) Ropar is doing welfare and community development</p>





	programmes, educational programmes, drinking water Supply and health care etc.	activities in the nearby villages of our project area as per MoEF&CC Environmental Clearance Condition, under our CSR programme covering nearby villages with local communities and Panchayats. The Head wise CSR Expenditure incurred in 2022-2023 is already enclosed above as <b>Annexure - V b</b>
9.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.	Earmarked funds are being utilized for environmental protection control measures to implement the condition stipulated by MoEF&CC and SPCB. We have spent Rs 1, 28, 41,801/- on Environment Protection and other related activities from October 2022 to March 2023. Details already enclosed above as <b>Annexure V a</b> .
10.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom Suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Copies of the EC have been sent to surrounding village Panchayats, various village people in the area and the NGO. A copy of the EC is posted on the company's website for public display. Also displayed in villages notice boards.
11.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their Website and shall update the same	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) being timely submitted to the concerned regulatory authorities on half yearly basis. Copies of these reports as well





	periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, PM10, SO2, NOx (ambient levels as well as Stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	as the Annual Environment Statement as submitted to the PPCB, are also uploaded on the company's website ( <a href="http://www.ambujacement.com">www.ambujacement.com</a> ) for public viewing in compliance to the Ministry's Circular dated 30.06.2009.
12.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitoring data (both in hard copies as well as in email) to the Regional Office of MOEF&CC, the respective zonal office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh /CPCB/SPCB shall monitor the stipulated conditions.	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) is being submitted regularly to regional office MoEF&CC Chandigarh and Punjab Pollution Control Board. Last report was sent on 23rd November 2022 through e-mail address: <a href="mailto:eccompliance-nro@gov.in">eccompliance-nro@gov.in</a> .
13.	The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended Subsequently, shall also be put on the website of the company along with the Status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF&CC at Chandigarh by e-mail.	Annual Environment Statement is regularly sent to the PPCB. In addition, a copy of the statement is being uploaded on the company's website. Last Annual Environmental statement for the year 2021-2022 has been submitted on 26 <sup>th</sup> Sept 2022 through e-mail.



14.	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 of Environment, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 shall be in the Vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Chandigarh.	The Public was informed about the grant of Environment Clearance through advertisement in the Punjab, Dainik Jagran in Hindi and Punjabi Tribune in Punjabi dated 1st June 2016. Copies of the newspaper clippings have already been submitted to the Regional Office of the MoEF&CC after the grant of Environment Clearance within seven days. Copies of advertisement published in Dainik Jagran in Hindi and Punjabi Tribune in Punjabi on 01.06.2016 and already submitted to regional office, MoEF&CC at Chandigarh.
15.	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 commencing the land development work.	Date of final approval of the project - 26.05.2016 and there was no land development work as the proposed project expansion was based on the process optimization. We have taken approval of SAC from Punjab Pollution Control Board. All the required permits have been obtained.





# 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/ 233271

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233201	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Packer No-1 & 2	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3201
Sampling procedure	ETL/STP/26	Date of test	13.04.2023-24.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-1 & 2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.5 m/s
6	Sampling Duration	29 min.
7	Ambient air temperature	30°C
8	Stack temperature	44°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	1.25 meter
11	No. of traverse point selected	01

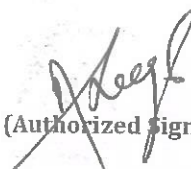
S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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.



\*\* End of Report \*\*

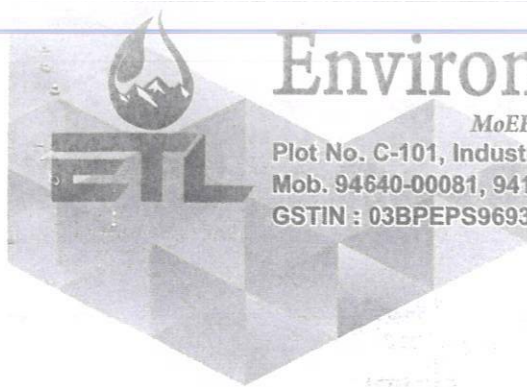
  
(Authorized Signatory)  
**AJEEET SINGH SAINI**  
Technical Manager  
Environ Tech Laboratories

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

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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/ 233310

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233199	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Stack of Packer No-1	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3199
Sampling procedure	ETL/STP/26	Date of test	13.04.2023 - 26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of Packer No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.8 m/s
6	Sampling Duration	28 min.
7	Ambient air temperature	30°C
8	Stack temperature	42°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.4	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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3. 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

\*\* End of Report \*\*

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

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# Environ Tech Laboratories

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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 3312

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233200	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Stack of Packer No-2	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3200
Sampling procedure	ETL/STP/26	Date of test	13.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	FSS-1
2	Source of Emission	Process Stack of Packer No-2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.3 m/s
6	Sampling Duration	33 min.
7	Ambient air temperature	30°C
8	Stack temperature	44°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.7	30	IS:11255(Pt-1): 2003 reaffirmed:2019

#### Note:

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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.



(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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\*\* End of Report \*\*



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/ 233273

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233202	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Packer No-3 ( Stack-1)	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3202
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	11.1 m/s
6	Sampling Duration	56 min.
7	Ambient air temperature	29°C
8	Stack temperature	48°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	21.8	30	IS:11255(Pt -1); 2003 reaffirmed:2019

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(Authorized Signatory)  
**AJEET SINGH SAINI**  
Technical Manager  
Environ Tech Laboratories

\*\* End of Report \*\*

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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

DISPATCH No:-ETL/DSP/ 233275



TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233203	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Packer No.3 (Stack-2)	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2022/G/3203
Sampling procedure	ETL/STP/26	Date of test	13.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-2 of Packer No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.7 m/s
6	Sampling Duration	48 min.
7	Ambient air temperature	30°C
8	Stack temperature	40°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.74 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	21.5	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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(Authorized Signatory)  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/233277

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233204	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Packer No-4(Stack -1 )	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3204
Sampling procedure	ETL/STP/26	Date of test	13.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.2 m/s
6	Sampling Duration	38 min.
7	Ambient air temperature	30°C
8	Stack temperature	45°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.86 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	18.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

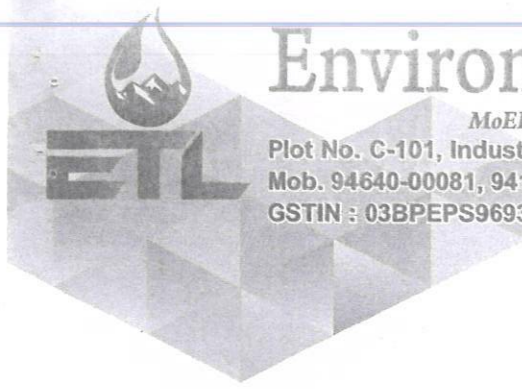
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/233279

To

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233205	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Stack-2 of Packer No-4	Date of Sample Receipt	13.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3205
Sampling procedure	ETL/STP/26	Date of test	13.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-2 of Packer No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.4 m/s
6	Sampling Duration	37 min.
7	Ambient air temperature	30°C
8	Stack temperature	48°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.91 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.8	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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AJEET SINGH SAINI

Technical Manager

Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/23 233289



TO

M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)

VILLAGE - DABURJI, PO- LODHI MAJRA, DISTT - ROPAR, (PB)

Report No.	ETL/44/2023/G/233210	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill-I	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3210
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.3 m/s
6	Sampling Duration	49 min.
7	Ambient air temperature	34 °C
8	Stack temperature	82°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	24.6	30	IS:11255(Pt -1):2003 reaffirmed:2019

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Technical Manager  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/ 233291

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233211	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill NO - 02	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3211
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill NO - 02
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.0 m/s
6	Sampling Duration	38 min.
7	Ambient air temperature	34°C
8	Stack temperature	79°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.5	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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Technical Manager  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/23 3293



TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233212	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill- 3	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3212
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.0 m/s
6	Sampling Duration	39 min.
7	Ambient air temperature	34°C
8	Stack temperature	82°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter,mg/Nm <sup>3</sup>	19.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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(Authorized Signatory)

AJEEV SINGH SAINI

Technical Manager

Environ Tech Laboratories

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\*\* End of Report \*\*



## TEST REPORT



DISPATCH No:-ETL/DSP/233295

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233213	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill-4	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3213
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA


1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.2 m/s
6	Sampling Duration	42 min.
7	Ambient air temperature	34°C
8	Stack temperature	78°C
9	Stack height from ground level	37 meter (GL)
10	Diameter of stack	1.37 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	22.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

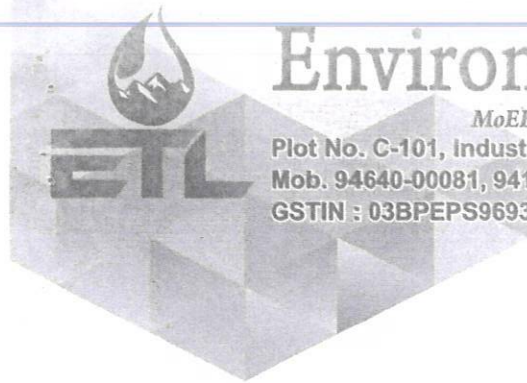
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**(Authorized Signatory)**  
**AJEET SINGH SAINI**  
 Technical Manager  
 Environ Tech Laboratories  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233281



TO  
M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233206	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement mill No. 1 ( Osepa)	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3206
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-24.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill No. 1 ( Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.6 m/s
6	Sampling Duration	35 min.
7	Ambient air temperature	34°C
8	Stack temperature	74°C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.02 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.8	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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AJEET SINGH SAINI  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/ 233283

TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233207	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill -02 (Osepa)	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3207
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill -02 (Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.6 m/s
6	Sampling Duration	36 min.
7	Ambient air temperature	33°C
8	Stack temperature	82°C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	22.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
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Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX

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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/933285

TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233208	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement mill No-3 (Osepa)	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2022/G/3208
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill No-3 (Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.9 m/s
6	Sampling Duration	40 min.
7	Ambient air temperature	34°C
8	Stack temperature	86°C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.02 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	18.7	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT



DISPATCH No:-ETL/DSP/ 233287

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233209	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Cement Mill No-4(Osepa)	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3209
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-24.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill No-4(Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.4 m/s
6	Sampling Duration	37 min.
7	Ambient air temperature	34°C
8	Stack temperature	79°C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	21.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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AJEET SINGH SAINI

Technical Manager

Environ Tech Laboratories

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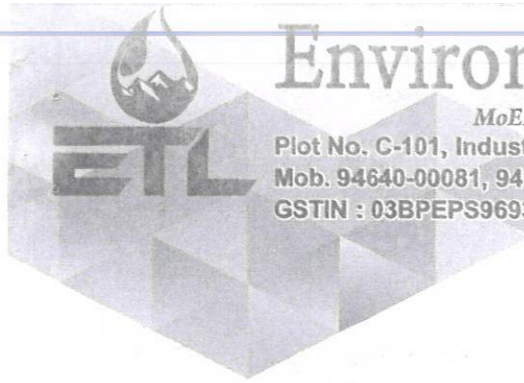
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/23 3297

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE - DABURJI, PO- LODHI MAJRA, DISTT-ROPAR, (PB)

Report No.	ETL/44/2023/G/233214	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Stack of Bulker Loading	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. Saurabh(Field Officer)	Sample I.D.	ETL/32/2023/G/3214
Sampling procedure	ETL/STP/26	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Bulker Loading
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.7 m/s
6	Sampling Duration	38 min.
7	Ambient air temperature	34 °C
8	Stack temperature	65°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	21.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Authorized Signatory)

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT



DISPATCH No:-ETL/DSP/233324

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233244	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Cement Mill No.-3 (Hopper Stack)	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3244
Sampling procedure	ETL/STP/26	Date of test	18.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of Cement Mill No.-3 (Hopper Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.8 m/s
6	Sampling Duration	49 min.
7	Ambient air temperature	36°C
8	Stack temperature	43°C
9	Stack height from ground level	33 meter (GL)
10	Diameter of stack	0.46 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	21.9	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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Technical Manager  
Environ Tech Laboratories

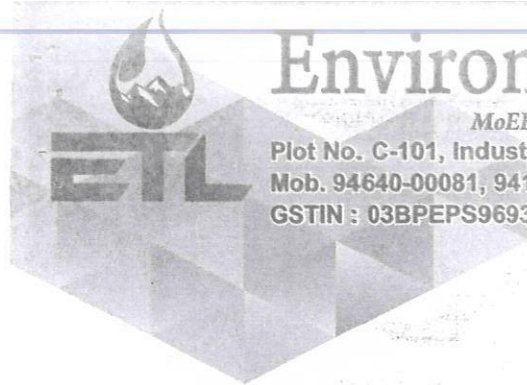
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/83322

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233243	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Stack-1 of Cement Mill -4 (Hopper Stack)	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3243
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Cement Mill -4 (Hopper Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	13.0 m/s
6	Sampling Duration	48 min.
7	Ambient air temperature	36°C
8	Stack temperature	45°C
9	Stack height from ground level	33 meter (GL)
10	Diameter of stack	0.46 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	23.2	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/ 233318

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233241	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Stack of Clinker Loading Point NO.1	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3241
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of Clinker Loading Point no.1
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	32 min.
7	Ambient air temperature	36°C
8	Stack temperature	50°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	23.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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## TEST REPORT



DISPATCH No:-ETL/DSP/ 233320

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233242	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Stack of Clinker Loading Point no.2	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3242
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA


1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of Clinker Loading Point no.2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.5 m/s
6	Sampling Duration	33 min.
7	Ambient air temperature	36°C
8	Stack temperature	48°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	22.5	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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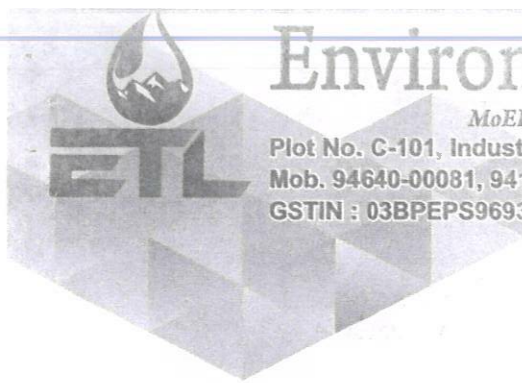


  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

DISPATCH No:-ETL/DSP/ 2 333 2-8

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT. ROPAR, (PB)



Report No.	ETL/44/2023/G/233246	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Cement Steel Silo	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2022/G/3246
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of Cement Steel Silo Stack
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.8 m/s
6	Sampling Duration	50 min.
7	Ambient air temperature	36°C
8	Stack temperature	47°C
9	Stack height from ground level	39.2 meter (GL)
10	Diameter of stack	0.80 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	22.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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**AJEET SINGH SAINI**  
Technical Manager  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No.: ETL/DSP/ 233926

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233245	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Fly Ash Handling Silo ( East Gate)	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3245
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Fly Ash Handling Silo stack ( East Gate)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	13.0 m/s
6	Sampling Duration	48 min.
7	Ambient air temperature	36°C
8	Stack temperature	44°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT



DISPATCH No:-ETL/DSP/ 233330

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233247	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Stack of 51A-BC-01 to 51A-BC-04	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3247
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A-BC-01 to 51A-BC-04 (Transfer Point)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.7 m/s
6	Sampling Duration	58 min.
7	Ambient air temperature	36°C
8	Stack temperature	40°C
9	Stack height from ground level	6.6 meter (GL)
10	Diameter of stack	1.12 m
11	No. of traverse point selected	01

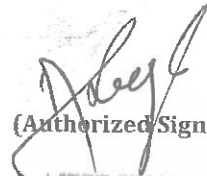
S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

#### Note:

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



DISPATCH No:-ETL/DSP/ 233332



TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)

Report No.	ETL/44/2023/G/233248	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	Stack 51A-BC4 to 51A-BC-5 (Transfer Point)	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. Saurabh (Field Officer)	Sample I.D.	ETL/32/2023/G/3248
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

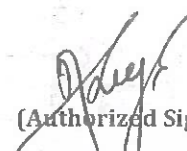
1	Instrument Used for Sampling	ESS-1
2	Source of Emission	Process Stack of 51A-BC4 to 51A-BC-5 (Transfer Point)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.5 m/s
6	Sampling Duration	59 min.
7	Ambient air temperature	36°C
8	Stack temperature	38°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

#### Note:

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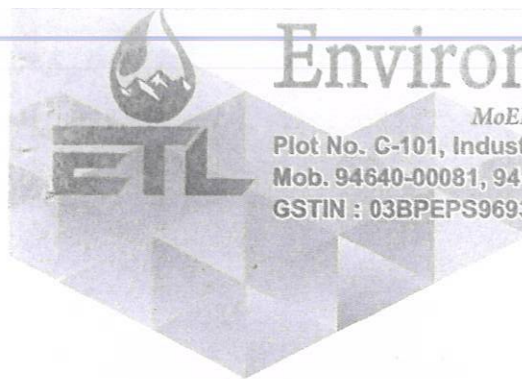


  
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**AJEET SINGH SAINI**  
 Technical Manager  
 Environ Tech Laboratories

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\*\* End of Report \*\*





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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



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3314

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTTROPAR, (PB)



Report No.	ETL/44/2023/G/233239	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	New Clinker Tippler Stack No-1	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3239
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Clinker Tippler Stack No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	13.3 m/s
6	Sampling Duration	46 min.
7	Ambient air temperature	36°C
8	Stack temperature	40°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	19.4	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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AJEET SINGH SAINI  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3316

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233240	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	18.04.2023
Sampling Location	New Clinker Tippler Stack No-2	Date of Sample Receipt	19.04.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3240
Sampling procedure	ETL/STP/26	Date of test	19.04.2023-26.04.2023

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Clinker Tippler Stack No-2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	13.5 m/s
6	Sampling Duration	47 min
7	Ambient air temperature	36°C
8	Stack temperature	45°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S.NO	PARAMETER	RESULT (mg/Nm <sup>3</sup> )	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.8	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Authorized Signatory)

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Technical Manager  
Environ Tech Laboratories

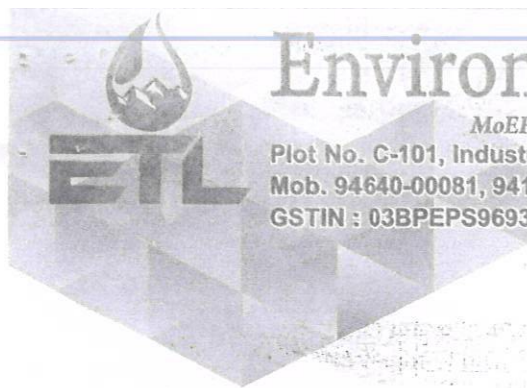
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233298

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233219	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	Worker Colony	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3219
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Worker Colony
2	Instrument Used for Sampling	Respirable Dust Sampler-II
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.40 m <sup>3</sup>

S. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM <sub>10</sub> )	84.6	100.0 µg/m <sup>3</sup>	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	7.6	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	16.4	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	40.2	60.0 µg/m <sup>3</sup>	-	IS: 5182(Pt-24):2019

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(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233299

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233219	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	Worker Colony	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3219
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Worker Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.40 m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
5	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
12	Ozone (O <sub>3</sub> )	5.6	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

**Note:**

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BDL denotes Below Detection Limit



(Authorized Signatory)

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Technical Manager  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 2 3330 0

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233220	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	Biomass Storage Yard	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3220
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Biomass Storage Yard
2	Instrument Used for Sampling	Respirable Dust Sampler-III
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	81.7	100.0 µg/m <sup>3</sup>	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	7.8	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	15.7	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter( PM <sub>2.5</sub> )	42.5	60.0 µg/m <sup>3</sup>	-	IS: 5182(Pt-24):2019

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(Authorized Signatory)

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Technical Manager  
Environ Tech Laboratories

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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/23330}

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233220	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	Biomass Storage Yard	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3220
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Biomass Storage Yard
2	Instrument Used for Sampling	Respirable Dust Sampler-III
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
5	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
12	Ozone (O <sub>3</sub> )	6.4	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

Note:

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BDL denotes Below Detection Limit



\*End of Report\*

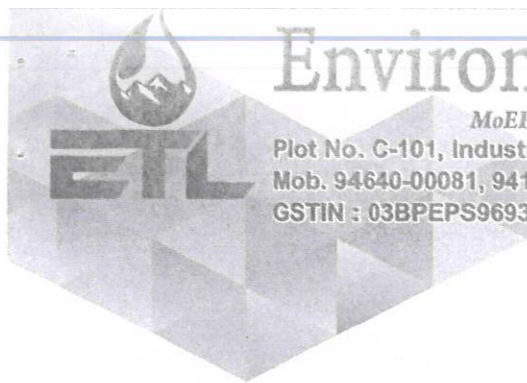
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Technical Manager  
Environ Tech Lab

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/233302-

TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233216	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Clinker Truck yard	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3216
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Clinker Truck yard
2	Instrument Used for Sampling	Respirable Dust Sampler-II
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	29°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling (Gaseous )	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44 m <sup>3</sup>

S. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	98.4	100.0 µg/m <sup>3</sup>	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	15.1	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	23.6	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	48.2	60.0 µg/m <sup>3</sup>	-	IS: 5182(Pt-24):2019

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(Authorized Signatory)

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Technical Manager  
Environ Tech Laboratories

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# Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233303

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233216	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Clinker Truck yard	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3216
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Clinker Truck yard
2	Instrument Used for Sampling	Respirable Dust Sampler-II
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	29°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44 m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
5	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
12	Ozone (O <sub>3</sub> )	7.2	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

Note:

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- 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.

BDL denotes Below Detection Limit



*(Signature)*  
(Authorized Signatory)

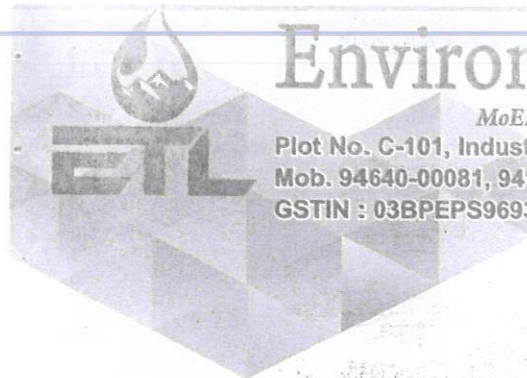
\*End of Report\*

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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/ 233304

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233215	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Gunny Bag Godown	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3215
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Gunny Bag Godown
2	Instrument Used for Sampling	Respirable Dust Sampler-I
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	29°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44 m <sup>3</sup>

S. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	83.4	100.0 µg/m <sup>3</sup>	-	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	7.5	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	18.1	80.0 µg/m <sup>3</sup>	-	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	40.6	60.0 µg/m <sup>3</sup>	-	IS: 5182(Pt-24):2019

#### Note:

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.

(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3305

TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212703	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Gunny Bag Godown	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3215
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Gunny Bag Godown
2	Instrument Used for Sampling	Respirable Dust Sampler-I
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	29°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.44m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
7	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
8	Ozone (O <sub>3</sub> )	7.9	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

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.
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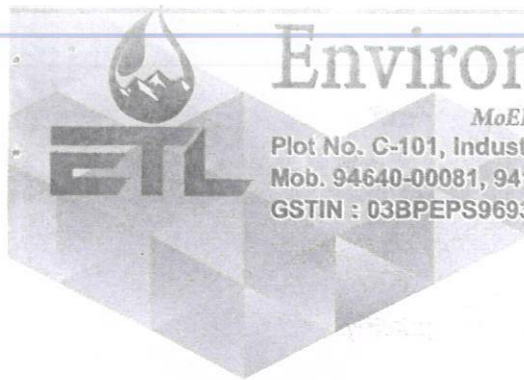
BDL denotes Below Detection Limit



(Authorized Signatory)

\*End of Report\*

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT



DISPATCH No:-ETL/DSP/233306

TO

M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233218	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	ACL Colony	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3218
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	ACL Colony
2	Instrument Used for Sampling	Respirable Dust Sampler-I
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.36 m <sup>3</sup>

S. No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM <sub>10</sub> )	95.6	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	17.2	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	23.4	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	44.7	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

#### Note:

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(Authorized Signatory)

AJAY SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/233307

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233218	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023-13.04.2023
Sampling Location	ACL Colony	Date of Sample Receipt	14.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3218
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	ACL Colony
2	Instrument Used for Sampling	Respirable Dust Sampler-I
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to east
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.36 m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
5	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
12	Ozone (O <sub>3</sub> )	8.9	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

Note:

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

\*End of Report\*

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233308

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)



Report No.	ETL/44/2023/G/233217	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Village Rattanpura	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra (Field Officer)	Sample I.D.	ETL/32/2023/G/3217
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Village Rattanpura
2	Instrument Used for Sampling	Respirable Dust Sampler-III
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.38 m <sup>3</sup>

S. No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	96.8	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	16.5	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	24.3	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	48.5	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

Note:

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(Authorized Signatory)

AJEET SINGH SAINI

Technical Manager

Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233309

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233217	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Ambient Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023-15.04.2023
Sampling Location	Village Rattanpura	Date of Sample Receipt	16.04.2023
Sample Collected By	Mr. K.K. Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3217
Sampling procedure	ETL/STP/27	Date of test	16.04.2023-26.04.2023

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Village Rattanpura
2	Instrument Used for Sampling	Respirable Dust Sampler-III
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 34°C Min temp. 18°C Clear sky and wind direction North to East
6	Flow Rate of Sampling	1 LPM & 2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	1.38 m <sup>3</sup>

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
5	Carbon Monoxide (CO)	BDL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	IS:5182(P-10) Iodine Pentaoxide method
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS 5182(Pt-25):2018
12	Ozone (O <sub>3</sub> )	7.9	180.0 µg/m <sup>3</sup> (1 hr)	5.0 µg/m <sup>3</sup>	As per CPCB guideline Method

Note:

BDL denotes below Detection Limit

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*(Signature)*  
(Authorized Signatory)

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\*End of Report\*

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Annexure-1c

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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

## TEST REPORT

DISPATCH No:- ETL/DSP/23 39 40

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233222	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	CPP Boiler Area	Date of Sample Receipt	14.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3222
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	CPP Boiler Area
2	Instrument Used for Fugitive Sampling	Handy Sampler-2
3	Source of Sampling	Work Zone Air Sample

Sr. No.	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4608	5000 $\mu\text{g}/\text{m}^3$	Lab SOP

Note:

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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



\*\* End of Report \*\*

(Authorized Signatory)  
*Jeet Singh Saini*  
JEET SINGH SAINI  
Technical Manager  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233241

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233223	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	New Clinker Tippler Area	Date of Sample Receipt	14.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3223
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	New Clinker Tippler Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4897	5000 $\mu\text{g}/\text{m}^3$	Lab SOP

#### Note:

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Technical Manager  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/233242

TO  
M/S AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233224	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	13.04.2023
Sampling Location	Old Clinker Tippler Area	Date of Sample Receipt	14.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3224
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

TECHNICAL DATA	
1	Location of Sampling Station Old Clinker Tippler Area
2	Instrument Used for Sampling Handy Sampler-2
3	Source of Sampling Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4794	5000 $\mu\text{g}/\text{m}^3$	Lab SOP

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 2332 43

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233225	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023
Sampling Location	Cement Mill Area	Date of Sample Receipt	15.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3225
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Cement Mill Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4779	5000	Lab SOP

Note:

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Technical Manager  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No.: ETL/DSP/ 233244

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233226	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	14.04.2023
Sampling Location	Clinker Loading Plant Area, (Near FAD-2)	Date of Sample Receipt	15.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3226
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Clinker Loading Plant Area, (Near FAD-2)
2	Instrument Used for Sampling	Handy Sampler-2
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4893	5000	Lab SOP

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233245

TO

M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233227	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	15.04.2023
Sampling Location	Gypsum Handling Area	Date of Sample Receipt	16.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3227
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Gypsum Handling Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4857	5000	Lab SOP

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233246

To  
M/s Ambuja Cement Limited.(Unit Ropar)  
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2023/G/233228	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	15.04.2023
Sampling Location	Plant Main Gate Area	Date of Sample Receipt	16.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3228
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Plant Main Gate Area
2	Instrument Used for Sampling	Handy Sampler-2
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4716	5000	Lab SOP

**Note:**

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/233247

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233229	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	16.04.2023
Sampling Location	Plant Car Parking Area	Date of Sample Receipt	16.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3229
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Plant Car Parking Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4519	5000	Lab SOP

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/233248

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233230	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	16.04.2023
Sampling Location	Plant East Gate	Date of Sample Receipt	16.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3230
Sampling procedure	ETL/STP/27	Date of test	16.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Plant East Gate
2	Instrument Used for Sampling	Handy Sampler-2
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4603	5000	Lab SOP

**Note:**

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 2332 49

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233221	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	12.04.2023
Sampling Location	Biomass handling Area	Date of Sample Receipt	14.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3221
Sampling procedure	ETL/STP/27	Date of test	14.04.2023-26.04.2023

TECHNICAL DATA		
1	Location of Sampling Station	Biomass handling Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	TEST METHOD
1.	Suspended Particulate Matter	4701	5000 $\mu\text{g}/\text{m}^3$	Lab SOP

**Note:**

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GSTIN : 03BPEPS9693P1ZV, PAN NO. BPEPS9693P

DISPATCH No:-ETL/DSP/23 3250

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233232	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	17.04.2023
Sampling Location	Fly Ash handling Area (East gate)	Date of Sample Receipt	17.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3232
Sampling procedure	ETL/STP/27	Date of test	17.04.2022-26.04.2023

## TECHNICAL DATA

1	Location of Sampling Station	Fly Ash handling Area (East gate)
2	Instrument Used for Sampling	Handy Sampler-2
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4833	5000	Lab SOP

### Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

DISPATCH No:-ETL/DSP/ 233249

TO  
M/s AMBUJA CEMENT LIMITED.(UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2023/G/233231	Report Date	26.04.2023
Your Ref. No	Nil	Type of sample	Work Zone Air
Sample Code Given by Customer	Nil	Date of sampling	17.04.2023
Sampling Location	Packing Plant Area	Date of Sample Receipt	17.04.2022
Sample Collected By	Mr. K.K Mishra (Field officer)	Sample I.D.	ETL/32/2023/G/3231
Sampling procedure	ETL/STP/27	Date of test	17.04.2022-26.04.2023

### TECHNICAL DATA

1	Location of Sampling Station	Packing Plant Area
2	Instrument Used for Sampling	Handy Sampler-1
3	Source of Sampling	Work Zone Air Sample

Sr. No	PARAMETERS	RESULTS ( $\mu\text{g}/\text{m}^3$ )	STANDARD ( $\mu\text{g}/\text{m}^3$ )	Test Method
1.	Suspended Particulate Matter	4785	5000	Lab SOP

#### Note:

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Dispatch No: ETL/DSP/ 233237

To  
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)  
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

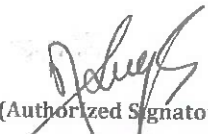
Report No.	ETL/44/2023/G/233257	Report Date	26.04.2023
Your Ref. No.	Nil	Type of sample	Sewage Water
Sample Code Given by Customer	Nil	Quantity	2 Litre Plastic Bottle +2Litre Glass Bottle
		Date of sampling	18.04.2023
Sampling Location	STP inlet(350KLD)	Date of sample receipt	19.04.2023
Sample Collected by	Mr. K.K Mishra(Field Officer)	Sample I.D.	ETL/32/2023/G/3257
Sampling procedure	ETL/STP/W/33	Date of test	19.04.2023-26.04.2023
Sample Description	Turbid water		

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.13	IS:3023 (Part-11)2002,Reaff.20121
2.	Total Suspended Solids,mg/l	188	IS:30215(Part-17)2002, Reaff.2017
3.	Total Dissolved Solid, mg/l	690	IS:3000(Part-16)2006, Reaff.2017
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	158	IS: 3025(Part-44)2009, Reaff.2014.
5.	Chemical Oxygen Demand, mg/l	220	IS:3025(Part-58)2006,Reaff.2017
6.	Oil and Grease, mg/L	15.2	IS:3025(Part-39)2003,Reaff.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 SAINI**  
 Technical Manager  
 Environ Tech Laboratories  
 Page 1 Of 1

\*END OF REPORT\*

AMBUIA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
Doc. No F-E-060-06																
01/10/2022 TO 31/10/2022																
Day time limit =75dB(A)																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
← PLANT MACHINERY NOISE →																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	Flv Ash Dryer	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
04.10.2022	74.2	78.5	94.4	82.1	84.9	89.3	71.8	62.4	64.9	62.5	57.9	59.5	51.8	49.5	43.6	41.4
14.10.2022	76.6	81.4	93.2	79.9	83.4	92.5	75.6	61.5	62.6	64.1	60.5	63.1	52.1	48.1	42.9	39.9
18.10.2022	73.9	79.9	92.5	80.6	81.6	89.1	73.9	60.8	65.5	64.2	59.1	60.5	51.2	49.8	45.5	41.3
26.10.2022	72.6	80.4	96.5	84.6	83.1	93.5	71.6	63.2	61.7	63.7	59.2	62.9	51.7	50.1	44.9	40.4
Avg.	74.33	80.05	94.15	81.80	83.25	91.10	73.23	61.98	63.68	63.63	59.18	61.50	51.70	49.38	44.23	40.75
← AMBIENT AIR NOISE →																
READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)																
← PLANT MACHINERY NOISE →																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	Flv Ash Dryer	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
04.10.2022	72.9	78.1	92.2	80.8	83.7	88.2	70.3	62.1	62.1	59.2	55.5	57.6	49.7	48.8	41.6	40.5
14.10.2022	75.8	80.5	92.7	79.3	81.5	91.7	74.8	60.5	61.8	61.5	58.4	60.3	50.3	47.7	40.9	38.8
18.10.2022	73.4	77.8	91.9	79.7	80.2	88.4	72.5	59.7	63.2	62.1	56.1	59.5	49.9	48.2	42.4	40.7
26.10.2022	72.1	78.9	96.5	82.4	81.3	92.3	70.5	61.3	60.6	62.5	57.9	61.1	50.6	48.9	43.8	37.2
Avg.	73.55	78.83	93.33	80.55	81.68	90.15	72.03	60.90	61.93	61.33	56.98	59.63	50.13	48.40	42.18	39.30
Night time limit = 70dB(A)																
Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.																

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By



Doc. No F-E-060-06																
01/11/2022 TO 30/11/2022																
Day time limit =75dB(A)																
AMBUEJA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
←-----PLANT MACHINERY NOISE-----→																
←-----AMBIENT AIR NOISE-----→																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	FLY Ash Driver	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
05.11.2022	74.6	81.4	96.5	84.2	81.4	63.9	61.3	54.6	62.4	64.8	56.9	61.5	53.1	52.9	41.5	44.6
12.11.2022	73.9	80.1	96.9	83.8	80.7	62.5	60.5	53.8	61.7	62.5	58.3	62.6	52.7	53.2	43.8	42.3
19.11.2022	75.1	82.3	97.8	82.5	79.9	62.8	60.9	54.1	63.1	61.7	57.7	60.8	52.4	50.3	43.1	42.9
23.11.2022	73.3	81.9	96.2	83.7	80.5	64.2	62.1	53.2	62.5	64.1	58.9	61.2	53.6	51.2	42.4	43.1
30.11.2022	72.8	80.6	98.3	81.9	80.3	65.1	60.9	56.1	60.3	62.3	58.5	62.3	52.1	50.7	41.2	42.4
Avg.	73.94	81.26	97.14	83.22	80.56	63.70	61.14	54.36	62.00	63.08	58.06	61.68	52.78	51.66	42.40	43.06

Night time limit = 70dB(A)

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

DATE	←-----PLANT MACHINERY NOISE-----→				←-----AMBIENT AIR NOISE-----→											
	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.I.G.BOX dB(A)	C.M.I.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Flv Ash Driver dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.11.2022	72.5	82.1	93.7	82.1	78.4	62.4	60.7	53.5	60.6	63.1	54.9	62.5	51.7	50.3	41.1	41.5
12.11.2022	73.6	79.5	95.5	80.9	79.6	62.1	59.4	52.7	59.9	61.2	56.7	59.4	48.5	49.8	39.6	40.3
19.11.2022	70.4	80.3	95.1	81.5	80.1	61.8	60.1	52.3	61.2	62.5	55.3	61.7	50.9	52.1	40.5	41.9
23.11.2022	68.7	80.7	97.9	81.1	79.7	63.2	61.5	53.2	60.3	62.1	56.5	60.3	50.2	49.5	40.9	42.3
30.11.2022	70.9	80.3	96.7	80.7	81.2	61.4	60.2	52.9	61.5	63.6	57.1	58.9	49.7	50.1	42.3	40.8
Avg.	71.22	80.58	95.78	81.26	79.80	62.18	60.38	52.92	60.70	62.50	56.10	60.56	50.20	50.36	40.88	41.36

Remark: Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By

Doc. No F-E-060-06																
01/12/2022 TO 31/12/2022																
Day time limit =75dB(A)																
AMBUEJA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
PLANT MACHINERY NOISE																
AMBIENT AIR NOISE																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	Fly Ash Driver	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
06.12.2022	72.8	82.7	93.9	80.5	78.8	63.3	61.7	46.7	62.4	61.7	59.1	53.6	50.2	48.8	43.9	40.7
15.12.2022	71.2	81.4	95.8	82.9	80.4	63.9	59.5	45.9	61.1	60.5	58.5	52.8	49.7	48.9	42.1	40.2
21.12.2022	73.1	84.6	94.9	85.1	83.1	65.5	63.1	47.1	65.8	62.2	55.7	54.1	51.5	49.2	39.9	41.5
29.12.2022	70.7	84.6	97.1	81.3	83.6	62.4	60.5	46.4	61.2	62.1	57.1	52.3	51.2	47.8	43.7	38.7
Avg.	71.95	83.33	95.43	82.45	81.48	63.78	61.20	46.53	62.63	61.63	57.60	53.20	50.65	48.68	42.40	40.28

Night time limit = 70dB(A)

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

←-PLANT MACHINERY NOISE-→																	←-AMBIENT AIR NOISE-→															
DATE	FLYASH SYSTEM		C.H.II		C.M.G.BOX		C.M.AREA		C.H.I		TURB.BLD.		BOLLER AREA		Fly Ash Driver		MAIN GATE		E. GATE		G.BAG.G		R.H.STORAGE		COLONY M.GATE		COLONY E. GATE		CHILDREN PARK		COLONY W.SIDE	
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
06.12.2022	71.4	81.1	92.7	79.9	78.1	60.2	60.1	43.1	61.1	59.9	58.8	52.5	49.2	47.4	41.6	38.9																
15.12.2022	69.8	80.3	94.9	80.1	79.2	62.4	57.6	42.9	60.2	58.4	57.1	47.9	48.9	48.1	40.1	39.7																
21.12.2022	72.2	82.4	93.7	83.7	82.1	63.7	60.3	40.8	61.1	60.2	53.5	51.2	50.1	47.5	38.9	40.2																
29.12.2022	69.9	82.5	95.3	79.3	82.1	61.9	59.5	42.5	59.6	61.9	55.3	50.7	50.2	46.8	42.6	35.8																
Avg	70.83	81.58	94.15	80.75	80.38	62.05	59.38	42.33	60.50	60.10	56.18	50.58	49.60	47.45	40.80	38.65																

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By





AMBURJA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
Doc. No F-E-060-06																
01/01/2023 TO 31/01/2023																
Day time limit =75dB(A)																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
←-----PLANT MACHINERY NOISE-----→																
←-----AMBIENT AIR NOISE-----→																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	FLY Ash Dryer	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
05.01.2023	74.3	81.9	98.5	82.4	81.5	62.7	64.5	52.5	61.9	60.9	57.8	64.6	49.7	45.9	42.4	44.5
11.01.2023	71.8	83.1	95.9	84.7	80.9	71.9	55.2	54.4	63.1	61.1	57.5	54.9	48.5	47.8	42.9	42.3
19.01.2023	73.9	82.3	97.1	86.9	82.1	63.4	71.8	49.9	62.3	62.4	56.3	53.8	50.6	46.7	44.1	43.8
25.01.2023	73.2	82.8	93.7	81.4	82.3	62.1	63.5	52.1	61.7	61.7	57.1	65.1	50.2	46.2	43.7	44.2
Avg.	73.30	82.53	96.30	83.85	81.70	65.03	63.75	52.23	62.25	61.53	57.18	59.60	49.75	46.65	43.28	43.70

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)																
←-----PLANT MACHINERY NOISE-----→																
←-----AMBIENT AIR NOISE-----→																
Night time limit = 70dB(A)																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	FLY ASH DRYER	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
05.01.2023	73.7	80.1	95.3	81.9	80.2	60.4	63.9	50.9	60.7	59.5	56.9	62.3	48.9	43.4	41.5	43.8
11.01.2023	70.4	81.9	93.8	83.3	79.7	69.8	54.1	51.1	62.4	60.9	55.3	54.1	46.6	46.5	42.1	41.3
19.01.2023	72.8	81.5	96.1	85.7	81.5	61.9	70.7	48.7	61.3	61.8	54.7	52.1	47.8	45.1	42.7	42.5
25.01.2023	71.9	80.6	92.9	80.5	80.9	60.2	61.1	50.9	60.9	60.2	56.9	63.6	49.2	44.8	43.3	42.9
Avg.	72.20	81.03	94.53	82.85	80.58	63.08	62.45	50.40	61.33	60.60	55.95	58.03	48.13	44.95	42.40	42.63

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By

*[Signature]*

AMBURJA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
Doc. No F-E-060-06																
01/02/2023 TO 28/02/2023																
Day time limit =75dB(A)																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
←-----PLANT MACHINERY NOISE-----→																
←-----AMBIENT AIR NOISE-----→																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	Fly Ash Dryer	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
01.02.2023	75.1	80.5	96.1	82.5	81.9	60.8	60.9	60.2	63.2	62.9	55.7	60.3	52.6	52.1	44.1	44.7
09.02.2023	73.9	81.2	98.5	79.2	82.2	64.2	52.1	62.1	64.5	61.6	60.1	63.1	55.9	51.4	43.2	41.9
15.02.2023	72.8	82.5	92.7	83.1	80.4	53.6	71.9	61.4	62.5	61.8	56.4	60.1	51.9	48.5	42.1	41.6
22.02.2023	74.5	84.1	99.4	80.7	78.5	71.3	63.5	61.6	61.8	64.5	59.5	63.6	53.4	51.2	40.9	38.8
Avg.	74.08	82.08	96.68	81.38	80.75	62.48	62.10	61.33	63.00	62.70	57.93	61.78	53.45	50.80	42.58	41.75

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)																
PLANT MACHINERY NOISE																
← AMBIENT AIR NOISE →																
←																
→																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOLLER AREA	Fly Ash Dryer	MAIN GATE	E. GATE	G.BAG.G	R.H.STORAGE	COLONY M.GATE	COLONY E. GATE	CHILDREN PARK	COLONY W.SIDE
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
01.02.2023	72.3	79.6	93.1	80.4	81.1	59.1	59.8	59.8	60.9	61.2	55.1	59.1	50.8	50.9	42.9	42.8
09.02.2023	70.9	80.1	95.4	78.2	81.2	62.3	51.5	61.2	62.4	59.9	59.4	60.2	52.3	51.1	42.1	40.9
15.02.2023	71.1	81.7	91.3	81.9	79.5	51.4	70.7	60.6	61.1	59.9	56.1	59.5	50.4	47.9	41.3	40.1
22.02.2023	73.6	83.3	97.7	79.5	77.9	70.5	62.6	59.4	60.4	62.5	58.7	62.9	51.9	50.6	40.1	37.9
Avg.	71.98	81.18	94.38	80.00	79.93	60.83	61.15	60.25	61.20	60.88	57.33	60.43	51.35	50.13	41.60	40.43

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By

*[Signature]*





**AMBUJA CEMENT LIMITED UNIT ROPAR**  
**NOISE MONITORING REPORT FROM**

## NOISE MONITORING REPORT FROM

## READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

DATE	FLYASH SYSTEM dB(A)	← PLANT MACHINERY NOISE →			← AMBIENT AIR NOISE →							Day time limit =75dB(A)			
		C.H.II dB(A)	C.M.G.BOX dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)		COLONY M.GATE dB(A)	COLONY'E. GATE dB(A)	CHILDREN PARK dB(A)
08.03.2023	73.9	82.3	97.1	86.9	82.1	63.4	55.8	59.2	62.3	56.3	63.8	50.6	46.7	44.1	43.8
15.03.2023	74.1	83.8	93.1	81.3	80.4	68.1	61.3	58.9	60.5	59.6	56.2	56.5	52.4	46.2	39.5
23.03.2023	76.6	81.4	95.2	89.9	83.4	62.5	56.6	61.9	62.6	64.1	60.5	52.1	48.1	42.9	39.9
30.03.2023	71.6	80.7	97.4	84.8	81.7	59.9	52.6	61.9	65.5	60.1	60.9	50.6	50.3	42.6	43.6
AVG.	74.05	82.05	95.20	85.73	81.90	63.48	58.83	60.03	62.73	61.55	61.00	52.45	49.38	43.95	41.70

## READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

DATE	PLANT MACHINERY NOISE						AMBIENT AIR NOISE						COLONY W.SIDE			
	FIYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	FW Ash Driver dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
08.03.2023	72.8	81.5	96.1	85.7	81.5	61.9	52.7	56.4	61.3	61.8	54.7	62.1	47.8	45.1	42.7	42.5
15.03.2023	73.5	79.2	91.6	80.2	78.9	64.5	59.8	58.2	57.9	56.1	54.6	54.2	51.9	51.6	44.8	37.2
23.03.2023	75.8	80.5	92.7	86.3	81.5	61.7	64.8	57.1	61.8	61.5	58.4	60.3	61.8	47.7	40.9	38.8
30.03.2023	70.5	79.7	95.9	81.2	81.1	57.1	51.2	59.7	63.2	59.2	54.7	59.3	50.9	49.7	40.1	42.5
Avg.	73.15	80.23	94.08	83.65	80.75	61.30	57.13	57.85	61.05	59.65	55.60	58.98	49.98	48.53	42.13	40.25

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By



Noc of leveling field:

ਪੰਜਾਬ ਸਰਕਾਰ  
ਵਣ ਅਤੇ ਜੰਗਲੀ ਜੀਵ ਸੁਰੱਖਿਆ ਵਿਭਾਗ, ਪੰਜਾਬ  
ਦਫ਼: ਵਣ ਮੰਡਲ ਅਫਸਰ, ਰੂਪਨਗਰ।  
Email [ID-dforupar@gmail.com](mailto:ID-dforupar@gmail.com)  
Phone No. 01881-222231

ਸੇਵਾ ਵਿਖੇ,

ਸ੍ਰੀ ਰਾਜੀਵ ਜੈਨ  
ਸੀਨੀਅਰ ਵਾਈਸ ਪ੍ਰੈਜੀਡੈਂਟ,  
ਅੰਬੂਜਾ ਸੀਮਿਟ ਲਿਮ.,

ਨੰਬਰ: 10295


ਮਿਤੀ: 10-11-18

ਵਿਸ਼ਾ:- Request for Vetting of Green Cover

ਹਵਾਲਾ:- ਆਪ ਦਾ ਪੱਤਰ ਨੰਬਰ 722 ਮਿਤੀ 19.11.18

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਵਣ ਰੇਂਜ ਅਫਸਰ, ਰੂਪਨਗਰ ਨੇ ਆਪਣੇ ਪੱਤਰ ਨੰਬਰ 803 ਮਿਤੀ 31.12.18 ਰਾਹੀਂ ਇਸ ਦਫਤਰ ਨੂੰ ਰਿਪੋਰਟ ਕੀਤੀ ਹੈ ਕਿ ਅੰਬੂਜਾ ਸੀਮਿਟ ਫੈਕਟਰੀ ਦੇ ਕੰਪਲੈਕਸ, ਰਿਹਾਇਸ਼ੀ ਕਲੋਨੀ, ਟਰੈਕ ਯਾਰਡ ਦਾ ਏਰੀਆ ਚੈੱਕ ਕੀਤਾ ਗਿਆ। ਸਾਰੇ ਏਰੀਏ ਨੂੰ ਚੈੱਕ ਕਰਨ ਤੇ ਪਾਇਆ ਗਿਆ ਕਿ ਨਕਸੇ ਮੁਤਾਬਿਕ 33% ਏਰੀਏ ਵਿੱਚ ਗਰੀਨ ਕਵਰ ਰੁੱਖਾਂ ਦੇ ਰੂਪ ਵਿੱਚ ਖੜ੍ਹਾ ਹੈ। ਜਿਸ ਵਿੱਚ ਪੁਰਾਣੇ ਰੁੱਖ ਅਤੇ ਨਵੇਂ ਰੁੱਖ ਲਗਾਏ ਗਏ ਰੁੱਖ ਸ਼ਾਮਲ ਹਨ।

ਇਹ ਆਪ ਦੀ ਸੂਚਨਾ ਲਈ ਹੈ।

  
ਵਣ ਮੰਡਲ ਅਫਸਰ,  
ਰੂਪਨਗਰ।

### Annexure-III

#### AMBUJA CEMENTS LIMITED (UNIT - ROPAR) PLANTATION DATA UPTO March 2023

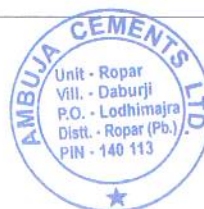
Month	Trees planted	Shrubs planted
Upto December 2000	1125	2340
January to December 2001	650	570
January to December 2002	460	280
January to December 2003	505	350
January to December 2004	395	280
January to December 2005	450	450
January to December 2006	580	615
January to December 2007	640	380
January to December 2008	476	419
January to December 2009	510	425
January to December 2010	360	305
January to December 2011	605	660
January to December 2012	525	780
January to December 2013	430	423
January to December 2014	346	550
January to December 2015	515	780
January to December 2016	1650	880
January to December 2017	1200	770
January to December 2018	2500	1500
January to December 2019	400	600
January to December 2020	450	380
January to December 2021	700	50
January to December 2022	1940	0
January to March 2023	0	0
TOTAL	17412	13787
	TOTAL	31199

**Note: We are in process of planting 1000 trees in this monsoon season.**



**Compliance of Conditions of CREP recommendations  
Ambuja Cements Limited Village Daburji,  
P.O. Lodhimajra, Tehsil & Distt. Ropar,  
Punjab - 140113**

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 notified emission standards.
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100mg/ Nm <sup>3</sup> limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm <sup>3</sup> .	Emission level is maintained below the prescribed norms.
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 <sup>3</sup> for particulate matter emissions.	Not Applicable as this is a 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 <sub>2</sub> and NO <sub>x</sub> emission standards by June 2004.	Not Applicable as this is a 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 covered areas. Maximum area inside plant is either covered with Greenery or it has been concreted 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	Not Applicable as this is a standalone Grinding Unit.





	by July 2003.	
8	After performance evaluation of various types of continuous monitoring equipment and feedback form 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 all four Cement Mill Stacks and Boiler stacks. Also a Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed.  All the stack emission monitors and CAAQMS have been connected with CPCB and State Pollution Control Board for online data transmission.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable as this is a 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. More over 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.	The condition is not Applicable as this is a 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. * Non complying units shall given bank guarantee to respective SPCBs.	Not Applicable.



## Annexure-Va

### Expenses towards Environment protection

S.No.	Items	Expenditure Detail
		Recurring (Rs.) (01.10.2022 to 31.03.2023)
1	Air Pollution Control/Measures	892526
2	Water Pollution Control Measures	161662
3	Road Sweeping Machines	2164521
4	Housekeeping	5906696
5	Occupational Health & safety	1110820
6	Green Belt	1948686
7	Other Misc ( Regulatory fee etc)	656890
	<b>Total</b>	<b>12841801</b>



**Annexure-Vb/c****Expenses towards CSR activities (Actual and Planned)**

Sl. No.	Activities	2022-23 (Actual)	2023-24	2024-25	2025-26	2026-27
01	Agro Based Livelihood	5936511	1989000	2008890	2028979	2049269
02	Education – Ambuja Manovikas Kendra	9512579	10351000	10454510	10559055	10664646
03	Health & Sanitation	7373459	3370000	3403700	3437737	3472114
04	Women Empowerment	1669413	1430000	1444300	1458743	1473330
05	Integrated Community Development Programme	9058874	10800000	10908000	11017080	11127251
06	Water Resource Management	142187	2500000	2525000	2550250	2575753
07	Establishment	1191077	1250000	1262500	1275125	1287876
	<b>Total</b>	<b>34884100</b>	<b>31690000</b>	<b>32006900</b>	<b>32326969</b>	<b>32650239</b>

