

# Ambuja Cement

Ref: ACL /RPR/UH/ENV/2022/219

23<sup>rd</sup> November 2022

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 April 2022 to September 2022 on compliance of the stipulated conditions of Environmental clearance letter referred above through e-mail address: [ecompliance-nro@gov.in](mailto:ecompliance-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**  
Unit Head

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**  
(UNIT ROPAR)

Village Daburji, P.O. Lodhimajra, Distt. Ropar - 140 113 (Punjab)

Phone : 01881 - 257401, 257432, 257285

(Regd. Off. : Adani Corporate House Shantigram, Near Vaishnav Devi Circle, S.G. Highway, Khodiyar,  
Ahmedabad, Gujarat 382421

CIN No. : L26942GJ1981PLC004717

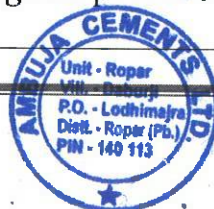
### Compliance of Conditions of Environment Clearance

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: April 2022 to September 2022

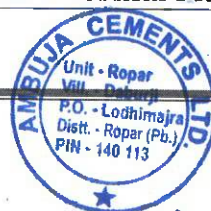
S. No.	Condition	Compliance status
<b>A. SPECIFIC CONDITIONS</b>		
1.	The project proponent shall install 24x 7 air monitoring devices to monitor air emissions as provided by the CPCB and submit the Report to Ministry and its Regional Office.	CEMS has been installed for continuous monitoring of PM, SO <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 June 2022 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



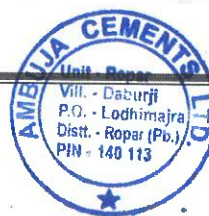
	Portland Cement (OPC) production and thermal energy consumption 670 K cal/Kg of Clinker.	production below 36 kwh / Ton of cement produced.
4.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16th November 2009 shall be followed.	<p>Ambient air quality is being 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 June 2022 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.</p> <p>Report of Monitoring done in June 2022 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.</p> <p>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</p>

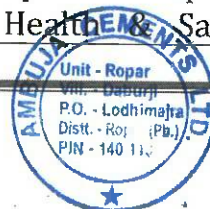


		dykes has been concreted for arresting fugitive emissions.
7.	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated waste water shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related 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).</p> <p>Zero' discharge has been achieved</p> <p>STP and ETP treated water is also got tested through NABL Accredited Lab (M/s Environ Tech Laboratories, Mohali). Reports of Testing done in June 2022 are enclosed as <b>Annexure - I d &amp; I e.</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 vides 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>





		Total 30879 numbers of sampling have been planted up to September 2022. 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 1,21,86,302/- on Environment Protection and other related activities from April 2022 to September 2022. Details of expenses enclosed as <b>Annexure - V a</b></p> <p>We have also spent approximately Rs.25530726 in 2021-22 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 proposed Rs. 18.00 Lakh as the Capex for upgradation of STP, Rs.14.00 Lakh for installation of OCEMS at ETP and Rs. 25.00 Lakh for Wheel Washing System for the trucks/tippers transporting wet ash from Thermal Plant Dykes. All these jobs are in process.</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	CSR arm of ACL i.e Ambuja Cement Foundation has made efforts to declare nearby village 100% ODF. Mass awareness program being organized on Swatch Bharat Abhiyan, Bio composting etc. We have installed Organic waste converter plant capacity 400 kg/day for treating kitchen waste & horticultural waste into organic manure. For the year 2021-22, Ambuja Cement Foundation has spent an approximate amount of Rs.2.55 Crores on CSR activities including Water Resource Management, Agro based livelihood, Skill and entrepreneurship development, Education, Health & Sanitation, women



	Companies Act, 2013 which provides for 2% of the average net profits of previous 3 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.	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> .
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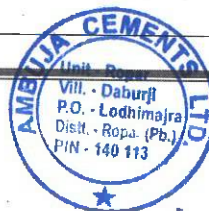
13.	The project proponent shall provide for solar light system for all common areas, streetlights, Villages, parking around project area and maintain the same regularly.	We have already installed solar lights in the common locations in surrounding villages. Apart from this 5 more Solar LED Lights have been installed common areas at colony, roadside, Club Building etc. in 2022. Solar lights have been installed in nearby village and further replacement will be done by LED lights only.
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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.
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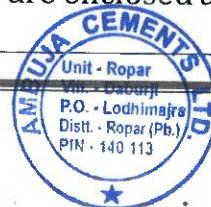
15.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	No construction activity proposed. So, no additional facilities required. Existing facilities are available and sufficient for the workers.
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#### B. GENERAL CONDITIONS

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.
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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 and ETP treated water is also got tested through NABL Accredited Lab (M/s Environ Tech Laboratories, Mohali).</li> <li>• Testing Reports of monitoring done in June 2022 are enclosed as Annexure – I d &amp; I e.</li> </ul>

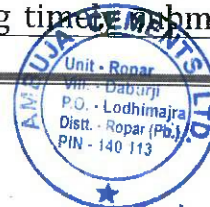




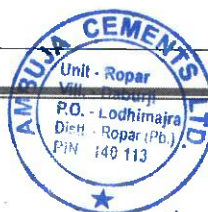
5.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	<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> <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 April 2022 to September 2022 is enclosed as <b>Annexure 1f</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. This year it was planned in October/November which is in progress. 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.	Constructed rainwater harvesting structures of approximately 1 Lakh m3 for collection of rain water, which is further being used in Cooling Tower. Two structures have also been made in Munguwal & Chakarma villages. We are also utilizing Ghanuli Drain waste water in our process after treatment. It is being utilized in the captive power plant cooling process.
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	All the environmental protection safeguards are being done. We have incurred a sum of Rs 1,21,86,302/- on Environment Protection and other related activities from April 2022 to September 2022. The data is enclosed above as <b>Annexure - V a</b> .



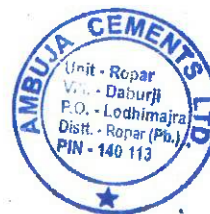
	the surrounding villages like community development programmes, educational programmes, drinking water Supply and health care etc.	Ambuja cement Foundation Ropar is doing welfare and community development activities in the nearby villages of our project area as per MoEF&CC Environmental Clearance Condition, under our CSR programme covering nearby villages with local communities and Panchayats. The Head wise CSR Expenditure incurred in 2021-2022 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 1,21,86,302/- on Environment Protection and other related activities from April 2022 to September 2022. 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	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



	<p>monitored data on their Website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&amp;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.</p>	<p>concerned regulatory authorities on half yearly basis. Copies of these reports as well 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.</p>
12.	<p>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&amp;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.</p>	<p>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&amp;CC Chandigarh and Punjab Pollution Control Board. Last report was sent on 26<sup>th</sup> May 2022 through e-mail address: <a href="mailto:ecompliance-nro@gov.in">ecompliance-nro@gov.in</a></p>
13.	<p>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</p>	<p>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.</p>



	the MOEF&CC at Chandigarh by 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



DISPATCH No:-ETL/DSP/ 22596

Date:- 04.07.2022

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## TEST REPORT

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

Report No.	ETL/44/2022/599	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Stack of Boiler No. 1
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Within Premises	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/599
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA (PART-A)

1	Instrument Used for Sampling	VSS1
2	Source of Emission	Stack of Boiler No. 1(45Ton/hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	26.8 m/s
6	Sampling Duration	29 min.
7	Ambient air temperature	36°C
8	Stack temperature	118°C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	46.3	50	IS:11255(Pt-1):2003 reaffirmed 2014
2.	Sulphur Dioxide, as SO <sub>2</sub> , mg/Nm <sup>3</sup>	237	600	IS:11255(Pt-2):2003 reaffirmed 2014
3.	Oxides of Nitrogen, as NO <sub>x</sub> , mg/Nm <sup>3</sup>	299	300	IS:11255(Pt-7):2005 reaffirmed 2017

#### 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.

*Ikany*  
(Checked By)



*Ajeet Singh*  
(Authorized Signatory)  
AJEET SINGH SAINT  
Technical Manager  
Environ Tech Laboratories

1/31



# Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-7 (Sector 73), Mohali, Punjab - 160059  
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081  
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22596

Date:- 04.07.2022

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## TEST REPORT

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

Report No.	ETL/44/2022/599	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Stack of Boiler No. 1
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Within Premises	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/599
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA (PART-B)

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler No.1(45Ton/hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	26.8 m/s
6	Sampling Duration	29 min.
7	Ambient air temperature	36°C
8	Stack temperature	118°C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01


S. NO	PARAMETER	RESULT	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Mercury(Hg), mg/Nm <sup>3</sup>	BDL(MDL 0.001)	--	As Per Lab SOP
2.	Carbon Monoxide, (as CO) mg/Nm <sup>3</sup>	142	...	As Per Lab SOP
3.	Moisture %	17	--	As Per Lab SOP

Note: BDL: Below Detection Limit, MDL : Method Detection Limit

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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.

  
(Checked By)



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



TC-5879

DISPATCH No:-ETL/DSP/22595

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/598	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Stack of Boiler No. 2
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Within Premises	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/598
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA (PART-A)

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler No. 2 (45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	24.9 m/s
6	Sampling Duration	41 min.
7	Ambient air temperature	36°C
8	Stack temperature	124°C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	45.5	50	IS:11255(Pt-1):2003 reaffirmed 2014
2.	Sulphur Dioxide, as SO <sub>2</sub> , mg/Nm <sup>3</sup>	144.7	600	IS:11255(Pt-2):2003 reaffirmed 2014
3.	Oxides of Nitrogen, as NO <sub>x</sub> , mg/Nm <sup>3</sup>	197.3	300	IS:11255(Pt-7):2005 reaffirmed 2017

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*(Signature)*  
(Checked By)



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22595

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

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

Report No.	ETL/44/2022/598	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Stack of Boiler No. 2
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Within Premises	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/598
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA (PART-B)

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler No. 2(45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	24.9 m/s
6	Sampling Duration	41 min.
7	Ambient air temperature	36°C
8	Stack temperature	124°C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT	Limits (mg/Nm <sup>3</sup> ) As per CPCB	TEST METHOD
1.	Mercury(Hg), mg/Nm <sup>3</sup>	BDL(MDL 0.001)	--	As Per Lab SOP
2.	Carbon Monoxide, (as CO) mg/Nm <sup>3</sup>	142	...	As Per Lab SOP
3.	Moisture, %	15	---	As Per Lab SOP

Note:BDL: Below Detection Limit,MDL: Method Detection Limit

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



Page 1 of 1

DISPATCH No:-ETL/DSP/ 22609

## TEST REPORT

Date:- 04.07.2022

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/612	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Cement Mill-I	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/612
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	9.5 m/s
6	Sampling Duration	73 min.
7	Ambient air temperature	37 °C
8	Stack temperature	88 °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>	26.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Authorized Signatory)

*Ajeet Singh Saini*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22620

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimaajra, DisttRopar, (PB)

Report No.	ETL/44/2022/623	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	Cement mill 1 ( Osepa)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/623
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill 1 ( Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.4 m/s
6	Sampling Duration	67 min.
7	Ambient air temperature	36°C
8	Stack temperature	88°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>	21.5	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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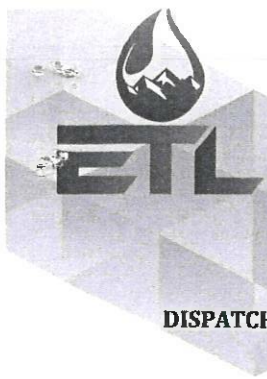
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

DISPATCH No:-ETL/DSP/ 22610

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/613	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Cement Mill 02	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/613
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill 02
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.4 m/s
6	Sampling Duration	68 min.
7	Ambient air temperature	37°C
8	Stack temperature	58°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>	23.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22621

Date:-

04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/624	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Cement Mill -02 (Osepa)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/624
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	9.9m/s
6	Sampling Duration	67 min.
7	Ambient air temperature	36°C
8	Stack temperature	68°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>	23.8	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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*Ajeet Singh*  
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Page 1 of 1

DISPATCH No:-ETL/DSP/ 22608

Date:- 04.07.2022

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/611	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Cement Mill- 3	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/611
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	7.6 m/s
6	Sampling Duration	83 min.
7	Ambient air temperature	37°C
8	Stack temperature	51°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/Nm3	18.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019

#### Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22622

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/625	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	Cement mill No-3 (Osepa)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/625
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	11.1 m/s
6	Sampling Duration	63 min.
7	Ambient air temperature	36°C
8	Stack temperature	91°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>	19.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22607

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/610	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Cement Mill-4	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/610
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

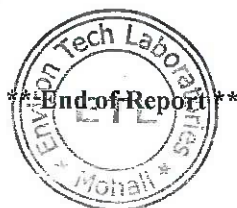
1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.8 m/s
6	Sampling Duration	81 min.
7	Ambient air temperature	37°C
8	Stack temperature	92°C
9	Stack height from ground level	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>	20.1	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22623

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/626	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	Mill No-4(Osepa)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/626
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of mill No-4(Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	11.0 m/s
6	Sampling Duration	64 min.
7	Ambient air temperature	36°C
8	Stack temperature	90°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>	23.1	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.

*Kavya*  
(Checked By)



(Authorized Signatory)

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



DISPATCH No:-ETL/DSP/ 22 611

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/614	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No-1 & 2	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/614
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	10.0 m/s
6	Sampling Duration	64 min.
7	Ambient air temperature	37°C
8	Stack temperature	56°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:

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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22616

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/619	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No-2(New Stack)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/619
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packer No-2(New Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.8 m/s
6	Sampling Duration	60min.
7	Ambient air temperature	37°C
8	Stack temperature	61°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	0.81meter
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>	22.8	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22617

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/620	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No-1(New Stack)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/620
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packer No-1(New Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.2 m/s
6	Sampling Duration	63 min
7	Ambient air temperature	36°C
8	Stack temperature	64°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	0.81 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

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22615

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/618	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No-3 ( Stack-1)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/618
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	11.2 m/s
6	Sampling Duration	59 min.
7	Ambient air temperature	37°C
8	Stack temperature	67°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>	24.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22614

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/617	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No.3 (Stack-2)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/617
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	10.8 m/s
6	Sampling Duration	60 min.
7	Ambient air temperature	37°C
8	Stack temperature	62°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>	22.7	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22613

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/616	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Packer No-4	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/616
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	10.6m/s
6	Sampling Duration	61 min.
7	Ambient air temperature	37°C
8	Stack temperature	59°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>	21.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

### Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22612

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/615	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Stack-2 of Packer No-4	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/615
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	10.2m/s
6	Sampling Duration	63 min.
7	Ambient air temperature	37°C
8	Stack temperature	61°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> ) CPCB-2021	TEST METHOD
1.	Particulate Matter, mg/Nm <sup>3</sup>	20.6	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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*(Signature)*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22604

Date:- 04.07.2022

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## TEST REPORT

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

Report No.	ETL/44/2022/607	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Cement Mill -3 (Hopper Stack)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/607
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill -3 (Hopper Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	11.0 m/s
6	Sampling Duration	61 min.
7	Ambient air temperature	36°C
8	Stack temperature	71°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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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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*Ajeet Singh Saini*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22603

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/606	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	23.06.2022
Sampling Location	Stack-1 of Cement Mill -4 (Hopper Stack)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/606
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### 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	10.8 m/s
6	Sampling Duration	61 min.
7	Ambient air temperature	36°C
8	Stack temperature	68°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>	22.6	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.

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22606

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/609	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Cement Steel Silo	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/609
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
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	9.5 m/s
6	Sampling Duration	68 min.
7	Ambient air temperature	36°C
8	Stack temperature	56°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>	22.8	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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

*(Signature)*  
(Checked By)



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



DISPATCH No:-ETL/DSP/ 22605

Date:-

04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/608	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Fly Ash Handling Silo (Near East Gate)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/608
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Fly Ash Handling Silo stack (Near East Gate)
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	84 min.
7	Ambient air temperature	37°C
8	Stack temperature	68°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>	19.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22619

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/622	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	New Clinker Tippler Stack No-1	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/622
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	10.3 m/s
6	Sampling Duration	64 min.
7	Ambient air temperature	36°C
8	Stack temperature	68°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>	23.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22618

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/621	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	New Clinker Tippler Stack No-2	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/621
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## 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	10.0 m/s
6	Sampling Duration	65 min
7	Ambient air temperature	36°C
8	Stack temperature	64°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>	22.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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*Kan*  
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*Deep*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22602

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/605	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Stack 51A-BC4 to 51A-BC5 (Transfer Point)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/605
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A-BC4 to 51A-BC5 (Transfer Point)
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	71 min.
7	Ambient air temperature	36°C
8	Stack temperature	52°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>	22.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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*Itaw*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22601

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/604	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Stack of 51A-BC-01 to 51A-BC04	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/604
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A-BC-01 to 51A-BC04 (Transfer Point)
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	75 min.
7	Ambient air temperature	36°C
8	Stack temperature	55°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>	23.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22600

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/603	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Stack of 51A-BC-02 to 51A-BC04(Transfer Point)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/603
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

### TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A-BC-02 to 51A-BC04 (Transfer Point)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.1 m/s
6	Sampling Duration	78 min.
7	Ambient air temperature	36°C
8	Stack temperature	54°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>	22.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

DISPATCH No:-ETL/DSP/ 22599

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/602	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Primary Crusher Building (CPP)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/602
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Primary Crusher Building (CPP)
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	81 min.
7	Ambient air temperature	36°C
8	Stack temperature	54°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>	21.5	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P12V, PAN No. BPEPS9693P



TC-5879

DISPATCH No:-ETL/DSP/ 22598

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/601	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Primary Screen& Secondary Crusher Building (CPP)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/601
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Primary Screen& Secondary Crusher Building (CPP)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.0m/s
6	Sampling Duration	79 min.
7	Ambient air temperature	36°C
8	Stack temperature	51°C
9	Stack height from ground level	17 meter(GL)
10	Diameter of stack	1.0 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>	21.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22597

Date:- 04.07.2022

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## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, DisttRopar, (PB)

Report No.	ETL/44/2022/600	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Secondary Screen Building(CPP)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/600
Sampling procedure	As per SOP	Date of test	27.06.2022-04.07.2022

## TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Secondary Screen Building(CPP)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.1 m/s
6	Sampling Duration	71 min.
7	Ambient air temperature	36°C
8	Stack temperature	56°C
9	Stack height from ground level	22 meter(GL)
10	Diameter of stack	28 inch
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>	17.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

Certificate No. TC-5879

DISPATCH No:-ETL/DSP/ 22583

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/591	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Biomass Storage Yard	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/591
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Biomass Storage Yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	93.1	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	18.3	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	25.6	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	49.3	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

### Note:

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

*Itans*  
( Checked By )



*Ajeet Singh Saini*  
(Authorized Signatory)  
AJEET SINGH SAINI  
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Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient air, Noise, Stack Emission & LUX

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22583

Date:- 04.07.2022

## TEST REPORT

To

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

Report No.	ETL/44/2022/591	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Biomass Storage Yard	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/591
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Biomass Storage Yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren ( Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	18.9	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

Note:

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(Checked By)



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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22564

Date:- 04.07.2022

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2022/592	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Worker Colony	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/592
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Worker Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM <sub>10</sub> )	92.8	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	17.1	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	24.7	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM <sub>2.5</sub> )	48.9	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):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.

*(Signature)*  
(Checked By)

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



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22584

Date:- 04.01.2022

## TEST REPORT

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

Report No.	ETL/44/2022/592	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Worker Colony	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/592
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### 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 Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren ( Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	19.5	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

Note:

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*J. Kaur*  
(Checked By)



*(Signature)*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:- ETL/DSP/ 22585

Date:- 04.07.2022

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2022/593	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Clinker Truck yard	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/593
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Clinker Truck yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter ( PM <sub>10</sub> )	90.8	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	18.4	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	24.7	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	43.8	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

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*Ajeet Singh Saini*  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22585

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/593	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022-25.06.2022
Sampling Location	Clinker Truck yard	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/591
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Clinker Truck yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren ( Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	20.4	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22586

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/594	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	ACL Colony	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/594
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	ACL Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	91.4	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	15.7	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	25.1	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	44.1	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):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.

*Kau*  
( Checked By )



(Authorized Signatory)  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22586

Date:- 09.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/594	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	ACL Colony	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/594
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-B)

1	Location of Sampling Station	ACL Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren ( Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	20.9	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

### Note:

ND denotes NOT Detected

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(Checked By)



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22587

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

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

Report No.	ETL/44/2022/595	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	Village Rattanpura	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/595
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Village Rattanpura
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	89.6	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	15.9	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	23.7	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	45.7	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

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

(Checked By )



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

9/12





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Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081  
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22587

Date:- 04.07.2022

Page 1 of 1

## TEST REPORT

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

Report No.	ETL/44/2022/595	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	Village Rattanpura	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/595
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Village Rattanpura
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren (Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	19.1	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

Note: ND denotes NOT Detected

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*(Signature)*  
(Checked By)



(Authorized Signatory)  
AJJET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/ 22588

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/596	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	Gunny Godown	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/596
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-A)

1	Location of Sampling Station	Gunny Godown
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	92.3	100.0 µg/m <sup>3</sup>	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	16.3	80.0 µg/m <sup>3</sup>	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen Dioxide (NO <sub>2</sub> )	25.1	80.0 µg/m <sup>3</sup>	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	50.1	60.0 µg/m <sup>3</sup>	IS: 5182(Pt-24):2019

### Note:

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*(Checked By)*



(Authorized Signatory)

AJEET SINGH SAINI  
Technical Manager  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22583

Date:- 04.07.2022

## TEST REPORT

To

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

Report No.	ETL/44/2022/596	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.6.2022-26.06.2022
Sampling Location	Gunny Godown	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/596
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA (PART-B)

1	Location of Sampling Station	Gunny Godown
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	36°C
5	Environmental Condition	Max temp. 38°C Min temp. 29°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	0.288 m <sup>3</sup>

S.No.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Carbon Monoxide as (CO)	ND	4.0 mg/m <sup>3</sup> (1Hr)	Lab SOP (By Electrochemical Method)
2.	Nickel (Ni)	ND	20.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
3.	Arsenic (As)	ND	6.0 ng/m <sup>3</sup>	Lab. SOP (BY AAS)
4.	Lead (Pb)	ND	1.0 µg/m <sup>3</sup>	Lab. SOP (BY AAS)
5.	Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	5.0 µg/m <sup>3</sup>	Lab. SOP (BY G.C)
6.	Benzo (a) Pyren ( Ba P)	ND	1.0 ng/m <sup>3</sup>	Lab. SOP (BY G.C)
7.	Ammonia (NH <sub>3</sub> )	ND	400.0 µg/m <sup>3</sup>	CPCB Guideline
8.	Ozone (O <sub>3</sub> )	20.7	180.0 µg/m <sup>3</sup> (1 Hr)	CPCB Guideline

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*Kavya*  
(Checked By)



*Ajeet Singh Saini*  
(Authorized Signatory)  
AJEET SINGH SAINI  
Technical Manager  
Envion Tech Laboratories

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Annexure-1c

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22589

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/597	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Cement Mill Area	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA

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

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter, µg/m3	4227	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

### Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22590

Date:- 04.07.2022

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2022/597-A	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	New Tippler	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597-A
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA

1	Location of Sampling Station	New Tippler
2	Instrument Used for Fugitive Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.N.	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter, $\mu\text{g}/\text{m}^3$	3901	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

### Note:

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Tray  
Checked By



(Authorized Signatory)

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

DISPATCH No:-ETL/DSP/ 22591

Date:- 04.07.2022

## TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2022/597-B	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	CPP Biomass Handling Area	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597-B
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

## TECHNICAL DATA

1	Location of Sampling Station	CPP Biomass Handling Area
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter, $\mu\text{g}/\text{m}^3$	4136	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

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JKay  
Checked By



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22592

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/597-C	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	25.06.2022
Sampling Location	Fly Ash Handling Area ( East gate)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597-C
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

### TECHNICAL DATA

1	Location of Sampling Station	Fly Ash Handling Area ( East Gate )
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter, $\mu\text{g}/\text{m}^3$	4089	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22593

Date:- 04.07.2022

## TEST REPORT

To

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

Report No.	ETL/44/2022/597-D	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Packing Plant Area	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597-D
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

TECHNICAL DATA			
1	Location of Sampling Station	Packing Plant Area	
2	Instrument Used for Sampling	Respirable Dust Sampler	
3	Source of Sampling	Work Zone Air Sample	

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter, $\mu\text{g}/\text{m}^3$	4091	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

### Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 22594

Date:- 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/597-E	Report Date	04.07.2022
Your Ref. No	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.06.2022
Sampling Location	Material handling Area (Near HSD Pump)	Date of Sample Receipt	27.06.2022
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2022/597-E
Sampling procedure	As per SOP	Date of test	27.06.2022 - 04.07.2022

TECHNICAL DATA		
1	Location of Sampling Station	Material handling Area (Near HSD Pump)
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.N.	PARAMETERS	RESULTS	Standard	TEST METHOD
1.	Suspended Particulate Matter, $\mu\text{g}/\text{m}^3$	4204	5000	IS:5182 (Pt-4):1999, Reaffirmed 2019

### Note:

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*Jkay*  
Checked By



(Authorized Signatory)

*Ajeet Singh Saini*  
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GSTIN : 03BPEPS9693P12V, PAN No. BPEPS9693P



Page 1 Of 1

Dispatch No: ETL/DSP/22571

Date: 04.07.2022

## TEST REPORT

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

Report No.	ETL/44/2022/579	Report Date	04.07.2022
Your Ref. No.	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	STP Outlet
Sample Code Given by Customer	Nil	Quantity	2 Litre Plastic Bottle +2Litre Glass Bottle
		Date of sampling	25.06.2022
Sampling Location	After ACF	Date of sample receipt	27.06.2022
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2022/579
Sampling procedure	As per Lab SOP	Date of test	27.06.2022- 04.07.2022
Sample Description	Slightly turbid water		

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.62	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3023 (Part-11)2002,Reaff.20121
2.	Total Suspended Solids, mg/l	25.3	100	600	200	IS:3025(Part-58)2006,Reaff.2017
3.	Total Dissolved Solid, mg/l	668	2100	2100	2100	IS:3000(Part-16)2006, Reaff.2017
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	24	30	350	100	IS: 3025(Part-44)2009, Reaff.2014.
5.	Chemical Oxygen Demand, mg/l	60	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017
6.	Oil and Grease, mg/L	<5	10	20	10	IS:3025(Part-39)2003,Reaff.2014

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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  
Email : [environtechlab72@yahoo.com](mailto:environtechlab72@yahoo.com) | Website : [www.environtechlab.com](http://www.environtechlab.com)

NOT VALID FOR LEGAL PURPOSES

# Environ Tech Laboratories

MoEF & CC Recognized, OHSAS ISO 45001:2018

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

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

GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



Page 1 of 1

Dispatch No: ETL/DSP/ 22572

Date: 04.07.2022

## TEST REPORT

To

M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)

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

Report No.	ETL/44/2022/580	Report Date	04.07.2022
Your Ref. No.	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	RO-1 PRODUCT
Sample Code Given by Customer	Nil	Quantity	2 Litre Plastic Bottle + 2litre Glass Bottle
		Date of sampling	25.06.2022
Sampling Location	ETP Plant Area	Date of sample receipt	27.06.2022
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2022/580
Sampling procedure	As per Lab SOP	Date of test	27.06.2022-04.07.2022
Sample Description	Clear and Colourless Water		

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.72	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017
2.	Total Suspended Solids, mg/l	0.5	100	600	200	IS:3025(Part-17)2012, Reaff.2017
3.	Total Dissolved Solid, mg/l	60	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	ND	30	350	100	IS: 3025(Part-44)2009, Reaff.2014.
5.	Chemical Oxygen Demand, mg/l	ND	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017
6.	Oil and Grease, mg/L	ND	10	20	10	IS:3025(Part-39)2003,Reaff.2014

### 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.

*Kavya*  
(Checked By)



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

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



Page 1 of 1

Dispatch No: ETL/DSP/ 2574

Date: 04.07.2022

## TEST REPORT

To

M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)

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

Report No.	ETL/44/2022/582	Report Date	04.07.2022
Your Ref. No.	P.O.No. 2800855368/NE2 dated 09.08.2021	Type of sample	RO- 2 PRODUCT
Sample Code Given by Customer	Nil	Quantity	2 Litre Plastic Bottle + 2litre Glass Bottle
		Date of sampling	25.06.2022
Sampling Location	ETP Plant Area	Date of sample receipt	27.06.2022
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2022/582
Sampling procedure	As per Lab SOP	Date of test	27.06.2022-04.07.2022
Sample Description	Clear and Colourless Water		

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.84	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017
2.	Total Suspended Solids, mg/l	0.4	100	600	200	IS:3025(Part-17)2012, Reaff.2017
3.	Total Dissolved Solid, mg/l	25	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	ND	30	350	100	IS: 3025(Part-44)2009, Reaff.2014.
5.	Chemical Oxygen Demand, mg/l	ND	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017
6.	Oil and Grease, mg/L	ND	10	20	10	IS:3025(Part-39)2003,Reaff.2014

### 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.

12/07/22  
(Checked By)



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

2/2

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

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

NOT VALID FOR LEGAL PURPOSES



Annexure - 1f

AMBUIA CEMENT LIMITED UNIT ROPAR NOISE MONITORING REPORT FROM														Doc. No F-E-060-06	
01/04/2022 TO 30/04/2022														Day time limit =75dB(A)	
←-----AMBIENT AIR NOISE-----→															
DATE	FLYASH SYSTEM dB(A)	C.H.I dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	TURB.BLD. dB(A)	COLLER 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)	COLONY W.SIDE dB(A)
06.04.2022	74.2	82.1	80.9	82.2	91.4	76.4	81.4	62.4	60.6	55.4	61.5	51.7	45.6	45.9	43.1
14.04.2022	74.3	85.9	88.4	81.5	92.7	74.5	84.9	61.9	60.9	57.8	64.6	49.7	48.9	42.4	44.5
22.04.2022	71.8	83.1	82.7	80.9	91.9	75.2	81.5	63.1	61.1	57.5	57.9	52.5	47.8	42.9	42.3
27.04.2022	73.9	82.3	97.1	82.1	91.4	75.8	82.1	62.3	62.4	56.3	59.8	50.6	51.7	44.1	43.8
Avg.	73.55	83.35	97.73	86.23	91.85	75.48	82.48	62.43	61.25	56.75	60.95	51.13	48.50	43.83	43.43

AMBUIA CEMENT LIMITED UNIT ROPAR NOISE MONITORING REPORT FROM														Doc. No F-E-060-06	
01/05/2022 TO 31/05/2022														Day time limit =75dB(A)	
←-----AMBIENT AIR NOISE-----→															
DATE	FLYASH SYSTEM dB(A)	C.H.I dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	TURB.BLD. dB(A)	COLLER 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)	COLONY W.SIDE dB(A)
06.04.2022	72.8	81.3	96.7	80.5	90.3	75.1	78.8	60.5	58.9	54.1	60.9	48.1	44.8	41.3	42.1
14.04.2022	73.7	82.1	97.3	83.9	90.4	73.9	82.1	59.3	60.8	54.7	60.1	47.8	47.1	40.7	42.5
22.04.2022	70.4	80.9	96.8	79.3	87.8	71.1	80.4	61.9	59.2	56.9	55.7	50.2	45.8	41.3	40.9
27.04.2022	72.8	81.5	96.1	90.7	89.1	74.7	81.2	60.7	61.3	54.5	58.4	49.6	48.3	42.5	43.1
Avg.	72.43	81.45	96.73	83.60	89.40	73.70	80.63	60.60	60.05	55.05	58.78	48.93	46.50	41.45	42.15

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

Prepared By

AMBUIA CEMENT LIMITED UNIT ROPAR NOISE MONITORING REPORT FROM														Doc. No F-E-060-06	
01/05/2022 TO 31/05/2022														Day time limit =75dB(A)	
←-----AMBIENT AIR NOISE-----→															
DATE	FLYASH SYSTEM dB(A)	C.H.I dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	TURB.BLD. dB(A)	COLLER 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)	COLONY W.SIDE dB(A)
03.05.2022	73.9	81.6	97.3	81.7	91.1	75.3	64.6	62.5	59.9	56.8	63.1	47.9	44.9	42.9	44.1
09.05.2022	75.1	80.9	95.8	82.2	90.7	73.1	64.9	62.1	61.1	55.3	62.9	49.1	46.4	41.7	44.3
16.05.2022	74.2	82.4	93.7	83.2	93.1	74.4	63.8	63.9	61.3	54.6	60.1	44.5	44.9	43.1	40.3
23.05.2022	72.9	83.9	95.5	82.8	91.8	73.2	65.1	62.5	60.5	53.8	59.6	42.1	45.4	42.4	39.6
30.05.2022	71.6	81.9	97.8	92.5	92.7	75.1	65.3	62.6	64.5	59.1	64.1	49.2	47.2	43.5	43.2
Avg.	73.54	82.14	96.02	84.48	91.88	74.22	64.74	62.72	61.46	55.92	61.96	46.56	45.76	42.72	42.30

AMBUIA CEMENT LIMITED UNIT ROPAR NOISE MONITORING REPORT FROM														Doc. No F-E-060-06	
01/05/2022 TO 31/05/2022														Day time limit =75dB(A)	
←-----AMBIENT AIR NOISE-----→															
DATE	FLYASH SYSTEM dB(A)	C.H.I dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	TURB.BLD. dB(A)	COLLER 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)	COLONY W.SIDE dB(A)
03.05.2022	71.1	80.9	96.1	80.5	89.5	73.7	62.3	59.8	58.5	55.1	61.2	46.5	45.8	40.9	42.1
09.05.2022	74.6	87.7	92.4	81.3	89.8	71.2	64.1	61.1	60.2	54.9	60.5	47.6	45.1	41.1	43.9
16.05.2022	73.4	80.8	91.3	82.7	92.9	72.6	62.1	62.4	60.7	53.5	54.8	41.9	42.4	39.6	39.2
23.05.2022	72.6	82.1	94.1	81.6	80.8	70.3	63.6	62.1	59.4	52.7	55.3	40.5	43.7	40.2	38.6
30.05.2022	70.8	81.1	95.4	80.1	91.4	72.9	64.5	61.9	63.7	58.5	61.7	44.2	45.9	42.1	41.7
Avg.	72.50	80.72	93.86	81.24	80.44	72.14	63.32	61.46	60.50	54.94	58.70	44.14	44.58	40.78	41.10

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

Prepared By



AMBUIA CEMENT LIMITED UNIT ROPAR																
Doc. No F-E-060-06																
01/06/2022 TO 30/06/2022																
Day time limit =75dB(A)																
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.	BOILER 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)
07.06.2022	74.5	84.1	94.4	80.7	78.5	91.3	73.5	63.5	61.8	64.5	59.5	63.6	53.4	51.2	42.9	38.8
14.06.2022	75.7	83.8	93.2	82.4	81.7	92.9	72.2	59.9	63.4	62.3	58.8	61.4	54.1	52.6	40.5	41.5
20.06.2022	75.4	82.9	98.3	81.9	83.5	93.8	74.2	61.1	63.1	63.2	59.6	61.7	51.3	48.1	42.7	39.5
27.06.2022	72.1	85.7	94.8	83.9	81.2	90.7	75.3	60.3	64.9	60.8	60.1	59.5	53.6	52.5	39.2	40.2
Avg.	74.43	84.13	95.18	82.23	81.23	92.18	73.80	61.20	63.30	62.70	59.50	61.55	53.10	51.10	41.33	40.00

Night time limit = 70dB(A)

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

AMBIA CEMENT LIMITED UNIT ROPAR																
Doc. No F-E-060-06																
01/07/2022 TO 31/07/2022																
Day time limit = 75dB(A)																
NOISE MONITORING REPORT FROM																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
PLANT MACHINERY NOISE																
<-----PLANT MACHINERY NOISE----->																
<-----AMBIENT AIR NOISE----->																
>-----CHILDREN PARK----->																
>-----COLONY W.SIDE----->																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.AREA	C.H.I	TURB.BLD.	BOILER 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)
07.06.2022	73.6	83.3	93.7	79.5	77.9	90.5	72.6	61.2	60.4	62.5	58.7	62.9	51.9	50.6	40.1	37.9
14.06.2022	74.1	81.4	92.8	81.8	80.6	91.1	71.9	57.5	61.9	60.8	57.6	60.6	52.6	51.4	39.5	39.6
20.06.2022	71.6	82.3	93.7	81.1	81.2	91.4	72.1	60.2	60.3	61.1	58.1	60.1	50.8	47.6	41.4	37.8
27.06.2022	68.9	83.7	94.3	83.5	79.3	90.7	74.5	58.5	62.6	59.5	59.7	57.6	52.5	50.9	38.1	39.5
Avg.	72.05	82.68	93.63	81.48	79.75	90.93	72.78	59.35	61.30	60.98	58.53	60.30	51.95	50.13	39.78	38.70

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

Prepared By: 


AMBUIA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
Doc. No F-E-060-06																
01/07/2022 TO 31/07/2022																
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.	BOILER 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)
09.07.2022	71.8	80.5	95.3	80.9	83.5	92.2	72.6	55.4	65.9	61.1	57.6	62.1	50.9	50.7	41.5	43.4
16.07.2022	75.7	83.8	93.2	82.4	81.7	92.9	72.2	56.1	63.4	62.3	58.8	61.4	54.1	52.6	40.5	40.5
23.07.2022	74.9	82.7	96.2	81.2	82.1	89.5	72.2	56.3	62.4	62.6	55.8	60.9	51.5	49.3	41.8	41.1
30.07.2022	72.6	84.5	97.1	84.9	81.7	89.8	73.6	54.7	61.7	61.8	56.1	61.5	49.7	48.9	44.5	41.5
Avg.	73.75	82.88	95.45	82.35	82.25	91.10	73.15	55.63	63.35	61.95	57.08	61.48	51.55	50.38	42.08	41.63

Night time limit = 70dB(A)

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

AMBIA CEMENT LIMITED UNIT ROPAR																
Doc. No F-E-060-06																
01/07/2022 TO 31/07/2022																
Day time limit = 75dB(A)																
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.	BOILER 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)
09.07.2022	70.4	79.9	93.7	79.2	81.8	89.6	70.3	52.4	64.1	60.4	55.9	61.2	49.1	48.7	39.4	40.9
16.07.2022	74.1	81.4	92.8	81.8	80.6	91.1	71.9	54.1	61.9	61.8	57.6	60.6	52.6	51.4	39.5	39.6
23.07.2022	72.8	81.9	95.6	80.9	81.8	87.6	71.8	52.9	61.3	60.9	54.1	59.8	49.1	48.5	41.1	40.1
30.07.2022	71.5	83.4	95.1	82.3	80.1	88.5	72.1	52.4	60.8	61.1	54.9	61.1	48.3	47.6	42.3	39.9
Avg.	72.20	81.65	94.30	81.05	81.08	89.20	71.53	52.95	62.03	61.05	55.63	60.68	49.78	49.05	40.58	40.13

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

Prepared By: 



7/3

Doc. No F-E-060-06																
AMBUIA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
01/08/2022 TO 31/08/2022																
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.BID.	BOLLER AREA	FLYASH 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)
05.08.2022	73.8	83.1	97.9	86.7	83.9	91.9	64.4	75.2	66.1	63.1	57.5	64.9	48.5	47.8	42.9	42.3
11.08.2022	77.5	82.1	97.2	90.3	81.2	90.3	61.7	72.8	64.2	61.9	58.4	64.7	49.6	49.3	42.7	44.1
16.08.2022	75.3	81.7	96.1	89.7	81.9	91.7	65.5	73.5	65.8	63.5	60.1	61.1	48.9	48.9	43.1	42.7
25.08.2022	76.4	82.3	96.3	82.1	82.3	91.9	63.2	74.9	63.8	63.4	58.1	59.6	54.3	48.6	44.1	43.3
Avg.	75.75	82.30	96.88	87.20	82.33	91.45	63.70	74.10	64.98	62.98	58.53	62.58	50.33	48.65	43.20	43.10

Night time limit = 70dB(A)

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

Doc. No F-E-060-06																
AMBUIA CEMENT LIMITED UNIT ROPAR																
NOISE MONITORING REPORT FROM																
01/09/2022 TO 30/09/2022																
Day time limit = 75dB(A)																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
PLANT MACHINERY NOISE																
PLANT MACHINERY NOISE																
AMBIENT AIR NOISE																
DATE	FLYASH SYSTEM	C.H.II	C.M.G.BOX	C.M.I.AREA	C.H.I	TURB.BLD.	BOILER 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)
05.08.2022	71.4	80.9	96.8	84.3	81.7	90.8	62.5	73.1	63.4	62.9	55.3	61.9	43.6	45.5	42.1	41.3
11.08.2022	76.7	80.2	98	88.6	79.6	89.3	60.1	71.2	62.4	60.1	56.9	62.6	46.1	46.9	39.4	42.1
16.08.2022	74.5	81.4	95.9	87.2	80.1	89.1	63.2	72.7	61.9	62.4	58.2	60.8	48.5	43.8	41.8	40.7
25.08.2022	72.7	80.9	96.1	82.3	81.5	91.7	61.9	71.9	61.2	60.9	57.1	58.7	49.5	46.6	42.9	38.1
Avg.	73.83	80.85	96.70	85.60	80.73	90.23	61.93	72.23	62.23	61.58	56.88	61.00	46.93	45.70	41.55	40.55

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

Prepared By

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

Night time limit = 70dB(A)

Doc. No F-E-060-06																
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NOISE MONITORING REPORT FROM																
01/09/2022 TO 30/09/2022																
Day time limit = 75dB(A)																
READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)																
PLANT MACHINERY NOISE																
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Remark: Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectively.

Prepared By



3/9

Noc of leveling field I

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

ਸੇਵਾ ਵਿਖੇ,

ਸ੍ਰੀ ਰਾਜੀਵ ਜੈਨ  
ਸੀਨੀਅਰ ਵਾਈਸ ਪ੍ਰੈਜੀਡੈਂਟ,  
ਅੰਬੂਜਾ ਸੀਮਿਟ ਲਿਮਿਟਿਡ,

ਨੰਬਰ: 10295


ਮਿਤੀ: 10-1-18

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 ਰੋਜ਼ ਅਫਸਰ, ਰੂਪਨਗਰ ਨੇ ਆਪਣੇ ਪੱਤਰ ਨੰਬਰ 803 ਮਿਤੀ 31.12.18 ਰਾਹੀਂ ਇਸ ਦਫ਼ਤਰ 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 ਨਕਸ਼ੇ 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। 20  
2018



**AMBUJA CEMENTS LIMITED (UNIT - ROPAR)**  
**Plantation data up to September 2022**

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 September 2022	1620	0
<b>TOTAL</b>	<b>17092</b>	<b>13787</b>
	<b>TOTAL</b>	<b>30879</b>

**Species Planted include: Silver Oak, Acacia Auriculiformis, Burma Neem, Neem, Chakrasia, Amaltas, Teak, Jamun, Satpatia, Sagwan, Kachnar, Pulmaria, Palm, Sheesham, Ficus Benjamina, kaner, Acacia Biflora, Bogunbilia, Calandra, Roses, Chandni and seasonal plants etc**



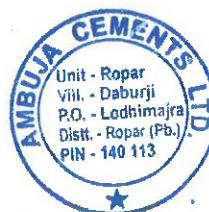
## Annexure - IV

**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 applicable 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. Fly ash and Cement is stored in Silos. 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.

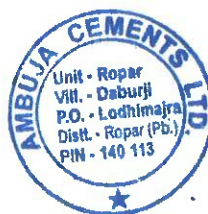


	by July 2003.	
8	After performance evaluation of various types of continuous monitoring equipment and feedback form the industries and equipment manufactures, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Continuous emission monitoring system has been installed at all four Cement Mill Stacks and Boiler stacks. A Continuous Ambient Air Quality Monitoring Station (CAAQMS) has also been installed.  All the stack emission monitors and CAAQMS has 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.



**EXPENSES INCURRED ON ENVIRONMENT PROTECTION AND OTHER RELATED ACTIVITIES**

S.No.	Items	Expenditure Detail
		Recurring (Rs.) (01.04.2022 to 30.09.2022)
1	Air Pollution Control/Measures	1311449
2	Water Pollution Control Measures	75727
3	Road Sweeping Machines	2091509
4	Housekeeping	5926183
5	Occupational Health & safety	370313
6	Green Belt	2006121
7	Other Misc ( Regulatory fee etc)	405000
	<b>Total</b>	<b>12186302</b>







# SATPAL & ASSOCIATES

## CHARTERED ACCOUNTANTS

OPP. SENIOR SECONDARY SCHOOL GHANAULI, ROPAR (PB)-140113  
 Ph.: 80540-39047 E-mail: casatpalsharma9@gmail.com  
 DATE: 11/05/2022 REF. No.

### TO WHOMSOEVER IT MAY CONCERN

As per information & explanations given and records produced to us, this is certified that Ambuja Cement Foundation has incurred the expenditure for the following CSR activities as per details mentioned below during the financial year 2021-2022:-

EXPENDITURE FOR THE YEAR 2021-22		
Sr. No.	Programme / Activity	Amount (Rs)
01	Water Resource Management	387028
02	Agro Based Livelihood	3848176
03	Health & Sanitation	6401953
04	Education – Ambuja Manovikas Kendra	7940630
05	Women Empowerment	1221426
06	Integrated Community Development Programme	4326556
07	Establishment	1404957
	<b>Total</b>	<b>25530726</b>

Date: 11.05.2022  
 Place: Ropar

For SATPAL & ASSOCIATES  
 Chartered Accountants  
 Membership Number 542160



Signature  
 (SATPAL)  
 (CHARTERED ACCOUNTANTS)  
 Membership Number 542160

UDIN : 22542160AITOFY8199

Amenable - Vc

**Ambuja Cement Foundation - Ropar**  
**Proposed CSR expenditure for the Years from 2022 to 2026**

S. No.	Programme	2022-2023	2023-2024	2024-2025	2025-2026
1	Water Resource Management	1017500	1119250	1231175	1354292.5
2	Agro Based Livelihood	3130600	3443660	3788026	4166828.6
3	Health & Sanitation	6767200	7443920	8188312	9007143.2
4	Women Empowerment	729300	802230	882453	970698.3
5	Education	9361000	10297100	11326810	12459491
6	Rural Infrastructures Development / other welfare activities	5500000	6050000	6655000	7320500
7	Other Intervention	319000	350900	385990	424589
8	Establishment	4508900	4959790	5455769	6001345.9
	<b>Grand Total Expenditure (In Rs)</b>	<b>313333500</b>	<b>34466850</b>	<b>37913535</b>	<b>41704888.5</b>

