

Ambuja Cement

Ref: ACL /RPR/UH/ENV/2021//07

14th July 2021

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.

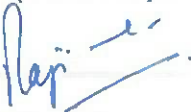
Dear Sir,

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 26th May 2016. We are sending a point-wise status report from January 2021 to June 2021 on compliance of the stipulated conditions of Environmental clearance letter referred above through e-mail address: **ronz.chd-mef@nic.in** and copy to address: **maheshdutt.purohit@gov.in** with a request you 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)


Rajiv Jain
Sr. Vice President

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 - 274287 Fax : 276034

Website : www.ambujacement.com

(Regd. Off. : P. O. Ambuja Nagar, Taluka - Kodinar, Distt. Gir Somnath, Gujarat - 362 715)

CIN No. : L26942GJ1981PLC004717

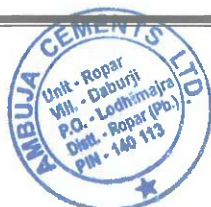
Compliance of Conditions of Environment Clearance

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

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

Period of Compliance: January 2021 to June 2021

S. No.	Condition	Compliance status
A. SPECIFIC CONDITIONS		
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.	We have installed 24x7 Continuous Ambient Air Quality Monitoring System to monitor the air and data of same is continually reported to CPCB/SPCB Server. Data being submitted to the CPCB/SPCB server on regular basis.
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 ₂ and NO _x shall be followed.	This is cement grinding unit and we have installed 7 online dust monitor (opacity meter) in major stacks of the Unit and data of monitoring is being already transmitted to CPCB/SPCB servers. Emission of SO ₂ and NO _x is not applicable in the mill stacks but is applicable to our Captive Power plant which is being complied. 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 Portland Cement (OPC) production and thermal energy consumption 670 K cal/Kg of Clinker.	This is cement grinding unit the same is not applicable, however we have setup our target of power consumption for Cement production as 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.	A Continuous Ambient Air Quality Monitoring Station has been installed. Six manual stations have also been installed for PM10, PM2.5, SO2 and NOx. Apart from this Ambient Air Quality and Stack Emission Monitoring is also being conducted through NABL Accredited/ MoEF&CC recognized Third Party Lab (M/s Environ Tech Laboratories, Mohali). Last monitoring done in May 2021. Monitoring



		Reports are enclosed as Annexure - 1 and Annexure - 2 respectively.
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>All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions.</p> <p>* Clinker is being stored in clinker storage silo & covered shed, Gypsum and additives are being stored in covered storage sheds, Fly ash & cement is being stored in silos. Raw material transfer conveyors are covered with GI sheets to avoid any secondary fugitive emissions.</p> <p>* 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.</p> <p>* Road sweeping machines are already deployed in the plant clear the spillage/dust accumulated on the roads to control the fugitive emissions and maintain proper housekeeping in the plant.</p> <p>Requisite data / information / monitoring reports etc are being submitted to Regional Office MoEF&CC.</p> <p>* Improved sealing arrangement in belt conveyors.</p> <p>*We have installed the wheel cleaning system (dry) & Wind wall arrangement for control of fugitive emissions.</p>
6.	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>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.</p> <p>* Dry Fly ash is being received by pneumatic pipe line from nearby Guru Govind Singh Super Thermal Power Plant.</p> <p>* Transport vehicles are periodically checked for Pollution Under Control certificate from approved RTA agencies.</p> <p>* Separate railway siding is commissioned since inception of the plant in 1995 from</p>

		<p>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>* Also we have provided the wind wall across the raw material yard for controlling the Fugitive emissions.</p> <p>* The approaching road towards raw material yard has been concreted for arresting fugitive emissions.</p> <p>*The approaching road towards Guru Gobind Singh Super Thermal Plant (GGSSTP) fly ash dykes has been concreted for arresting fugitive emissions.</p>
7.	<p>Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater 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>	<p>Dry process is used for manufacturing cement; hence there is no generation of process wastewater. Return water from cooling system is routed back to collection tank and recycled back into system. Domestic wastewater is treated in Sewage Treatment Plants (STP) and it is being used for greenbelt, dust suppression system and in captive power plant cooling and conforms to standards stipulated by the Board. The Waste water 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 & Solar ponds). We are not discharging any effluent outside factory premises hence Zero Discharge is maintained.</p> <p>STP and ETP treated water is also got tested through NABL Accredited/ MoEF&CC recognized Third Party Lab (M/s Environ Tech Laboratories, Mohali). Last testing done in May 2021. Testing Reports are enclosed as Annexure - 3 and Annexure - 4 respectively.</p>
8.	Efforts shall be made to make	Additional Collection Tank is constructed

	use of rain water 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.	to collect the rain water 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.	Green belt has been developed in the plant area with total green cover of more than 33%. The same has been certified by the DFO, State Forest Department vide letter No. 10295 dated.10.01.2019. We have planted the varieties of species like Silver Oak, Acacia, Ariaculifromis, Neem, Burma Neem, Chakrasia, Amaltas, Teak, Jamun, Satpati and Sagwan etc in the plant as advised by local forest department and will continue the same in future also to further strengthen our green cover. Certificate is enclosed as Annexure 5
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 Annexure - 6
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.	As committed during public hearing we have incurred more than 2.5 % of the project cost. We have spent approximately 2.1 Crores of rupees in 2020 as environment Capex. Apart from this we have spent Rs 59.67 Lakhs as recurring expenditure on Environment Protection and other related activities in 2020.
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,	Being complied. CSR arm of ACL i.e Ambuja Cement Foundation has made efforts to declare nearby village 100% ODF. Mass awareness program being organized on Swatchh Bharat Abhiyan,

	<p>Education, Sanitation, Health, Skill Development and infrastructure requirements Such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 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.</p>	<p>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 2020-21, Ambuja Cement Foundation has spent an approximate amount of Rs.2.0 Crores on CSR activities including Water Resource Management, Agro Based Livelihood, Skill and Enterpneurship Development, Education, Health & Sanatisation, Women Empowerment and infrastructure Development etc. Detailed expenses are enclosed as Annexure - 7</p>
13.	<p>The project proponent shall provide for solar light system for all common areas, street lights, Villages, parking around project area and maintain the same regularly.</p>	<p>Agreed. Solar light is being installed in nearby village and further replacement will be done by LED lights only.</p>
14.	<p>The project proponent shall provide for LED lights in their offices and residential areas.</p>	<p>This point is being complied. All the lights which are damaged/ due for replacement are being replaced with the LED lights. In year 2021 till June we have replaced 335 lights with LED.</p>
15.	<p>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</p>	<p>In the proposed expansion no construction activity is being proposed however the housing is provided to all the labours with all required infrastructure. So there was/will be no temporary structure which has to be removed.</p>

	housing may be in the form of temporary structures to be removed after the completion of the project.	
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.
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, PM25, 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.	Ambient Air Quality Monitoring Stations have been set up and continuous Ambient Air Quality being monitored hourly and data of same being transmitted to CPCB/PPCB Server. Parameters of AAQ are well within the stipulated norms and data of continuous ambient air quality is available at CPCB/SPCB Server. Ambient Air Quality and Stack Emission Monitoring is also being conducted through NABL Accredited/ MoEF&CC recognized Third Party Lab (M/s Environ Tech Laboratories, Mohali). Last monitoring done in May 2021. Monitoring Reports are enclosed as Annexure - 1 and Annexure - 2 respectively.
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.	Trade Effluent is generated from the Cooling Tower Blow down & Boiler Blow down and is properly treated through zero liquid discharge ETP and treated water being used in captive power plant condenser cooling process. 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 condenser cooling process. STP and ETP treated water is also got tested through NABL Accredited/

		MoEF&CC recognized Third Party Lab (M/s Environ Tech Laboratories, Mohali). Last testing done in May 2021. Testing Reports are enclosed as Annexure - 3 and Annexure - 4 respectively.
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).	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. Ambient Noise level is monitored regularly and is controlled within the stipulated limit.
6.	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 is planned in August/September
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.	We have constructed one rainwater harvesting pit of capacity 20 m ³ for collection of rain water, which is further being used in Cooling Tower. As per hydrological study report of 2011, the ground water level in plant premises less than 5m bgl. Therefore recharge of the ground water is not technically feasible. Two structures have also been made in Munguwal & Chakarma villages. Also we are planning to utilize Ghanuli Drain waste water after treatment. It will be utilized in the captive power plant condenser cooling process for which feasibility study has been completed and accordingly capex has been proposed for approval.
8.	The project proponent shall also comply with all the environmental protection measures and	As committed in EIA /EMP all the environmental protection safe guards are being done. Ambuja cement Foundation

	<p>Safeguards recommended in the EIA/EMP report. Further, the company must undertake Socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water Supply and health care etc.</p>	<p>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 CSR Expenditure incurred in the year 2020 - 2021 in various heads is enclosed as Annexure - 7.</p>
9.	<p>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.</p>	<p>Earmarked funds are being utilized for environmental protection control measures to implement the condition stipulated by MoEF&CC and SPCB. We have spent approximately 2.1 Crores of rupees in 2020 as environment Capex. Apart from this we have spent Rs 59.67 Lakhs as recurring expenditure on Environment Protection and other related activities in 2020.</p>
10.	<p>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.</p>	<p>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.</p>
11.	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including</p>	<p>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>

	<p>results of monitored data on their Website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as Stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</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 (www.ambujacement.com) 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 aswell as in email) to the Refional Office of MOEFCC ,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) has been submitted regularly to Regional Punjab Pollution Control Board & Regional MoEF&CC Office Chandigarh. Last report was sent on 25th January 2021 through e-mail: ronz.chd-mef@nic.in with cc to maheshdutt.purohit@gov.in</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 the</p>	<p>Annual Environment Statement is regularly sent to the PPCB. In addition, a copy of the statement has been uploaded on the company's website. Last Annual Environmental statement for the year 2019-2020 has been submitted on 30 Sept 2020.</p>

	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 http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one 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 were informed of the grant of Environment Clearance through an advertisement in the Punjab, Dainik Bhaskar and Dainik Navjyoti dated 1st June 2016. Copies of the news paper clippings have already been submitted to the Regional Office of the MoEF&CC immediately after the grant of Environment Clearance within seven days.
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 is no land development work as the proposed project expansion is based on the process optimization. We have taken approval for SAC from Punjab Pollution Control Board. All the required permits have been obtained.



Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/MoEF & CC Recognized
OHSAS 45001:2018

Annexure - 1
Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212408

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211318	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1318
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

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	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter (PM ₁₀)	96	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	43	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.12	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

Note: ND denotes NOT Detectable

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

Checked By



Surinder Singh
(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/MoEF & CC Recognized
OHSAS 45001:2018

Plot No. 62, Janta Industrial Estate
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212409

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211319	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1319
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

1	Location of Sampling Station	ACL Labor Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter (PM ₁₀)	90	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	13	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	47	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.09	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

Note: ND denotes NOT Detectable

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

Checked By



Surinder Singh
Authorized Signatory
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/MoEF & CC Recognized
OHSAS 45001:2018

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94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212410

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211320	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1320
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

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	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	95	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	18	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	36	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	52	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.25	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

Note: ND denotes NOT Detectable

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Checked By



Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212411

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211321	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1321
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

1	Location of Sampling Station	Gunny Bag Godwn
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter (PM ₁₀)	97	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	15	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	46	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.32	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

Note: ND denotes NOT Detectable

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212412

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211322	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1322
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

1	Location of Sampling Station	ACL Colony Building
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter (PM ₁₀)	97	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	31	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	46	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.14	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

Note: ND denotes NOT Detectable

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End of Report



Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
Email : envlrontechlab72@yahoo.com, director@envlrontechlab.in | Website : envlrontechlab.com
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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212413.

Date:- 4.6.2021.

TEST REPORT

Page 1 of 1

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

Report No.	ETL/44/2020/O/211323	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	26.05.2021-27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	27.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1323
Sampling procedure	As per SOP	Date of test	27.05.2021 to 04.06.2021

TECHNICAL DATA

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	35°C
5	Environmental Condition	Max temp. 43°C Min temp. 23°C Clear sky and wind direction west 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 ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	89	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	12	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	18	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	49	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.17	2.0 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	LAB SOP BY AAS
7.	Arsenic (As)	ND	6.0 ng/m ³	LAB SOP BY AAS
8.	Lead (Pb)	ND	1.0 µg/m ³	LAB SOP BY AAS
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	LAB SOP BY G.C
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	LAB SOP BY G.C
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	100.0 µg/m ³	CPCB Guideline

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
Email : envrontechlab72@yahoo.com, director@envrontechlab.in | Website : envrontechlab.com
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Annexure - 2

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Airport Road, Sector 82, S.A.S I
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-201
94640-00081, (O) 94630-1
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212381

Date:- 04.06.2021

Page 1 of 1

TEST REPORT

To

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

Report No.	ETL/44/2021/G/211291	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1291
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.83m/s
6	Sampling Duration	70min.
7	Ambient air temperature	34°C
8	Stack temperature	70°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	27	30	IS:11255(Pt -1):2003 reaffirmed 2019

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(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 215421

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211331	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1331
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021
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	10.11m/s	
6	Sampling Duration	69 min.	
7	Ambient air temperature	35°C	
8	Stack temperature	58°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	23.1	30	IS:11255(Pt -1):2003 reaffirmed 2019

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212379

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

To

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

Report No.	ETL/44/2021/G/211289	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1289
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.27m/s
6	Sampling Duration	68 min.
7	Ambient air temperature	35°C
8	Stack temperature	74 °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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	19.3	30	IS:11255(Pt -1):2003 reaffirmed 2019

Note:

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
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DISPATCH No:-ETL/DSP/ 212382

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211292	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1292
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.86m/s
6	Sampling Duration	68min.
7	Ambient air temperature	34 °C
8	Stack temperature	82 °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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	29.5	30	IS:11255(Pt -1):2003 reaffirmed 2019

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** End of Report **



Surinder Singh
(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212418

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211328	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1328
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Osepa No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.63m/s
6	Sampling Duration	72 min.
7	Ambient air temperature	34 °C
8	Stack temperature	70 °C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.05 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	17.9	30	IS:11255(Pt -1):2003 reaffirmed 2019

Note:

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** End of Report



Surinder Singh
(Authorized Signatory)
Dy. Technical Manager
Environ Tech Laboratories

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
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DISPATCH No:-ETL/DSP/ 812452

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211332	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	28.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1332
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021
TECHNICAL DATA			
1	Instrument Used for Sampling	VSSI	
2	Source of Emission	Process Stack of Cement Mill -01 (OSEPA-02)	
3	Fuel used in source	Electricity	
4	Type of stack	Round of Metal	
5	Velocity of fuel gases	9.15m/s	
6	Sampling Duration	72min.	
7	Ambient air temperature	30 °C	
8	Stack temperature	59°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	23.1	30	IS:11255(Pt -1):2003 reaffirmed 2019

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** End of Report



Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212416

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211326	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1326
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Osepa No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.11m/s
6	Sampling Duration	72 min.
7	Ambient air temperature	34 ⁰ C
8	Stack temperature	78 ⁰ 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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	22.5	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.
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(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/212425

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211335	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1335
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-4 (Osepa-04)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.86m/s
6	Sampling Duration	71 min.
7	Ambient air temperature	35 °C
8	Stack temperature	62 °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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	23.7	30	IS:11255(Pt-1):2003 reaffirmed 2019

Note:

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** End of Report **



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(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212414

Date:- 4.6.2021

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TEST REPORT

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

Report No.	ETL/44/2021/G/211324	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1324
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.68m/s
6	Sampling Duration	64 min.
7	Ambient air temperature	34°C
8	Stack temperature	70 °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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	22.6	30	IS:11255(Pt -1):2003 reaffirmed 2019

Note:

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SURINDER SINGH
Dy. Technical Manager
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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212415

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211325	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1325
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.16m/s
6	Sampling Duration	71min.
7	Ambient air temperature	35°C
8	Stack temperature	72°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	21.6	30	IS:11255(Pt -I):2003 reaffirmed 2019

Note:

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Surinder Singh
(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212383

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211293	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1293
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-I of Packer No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.22m/s
6	Sampling Duration	69min.
7	Ambient air temperature	34 °C
8	Stack temperature	43°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt -I):2003 reaffirmed 2019

Note:

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Swinder SA
(Authorized Signatory)

SUNINDER SINGH
B.T. Technical Manager
Environ Tech Laboratories

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212384

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211294	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1294
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.68m/s
6	Sampling Duration	60min.
7	Ambient air temperature	34 °C
8	Stack temperature	53°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.0	30	IS:11255(Pt -I):2003 reaffirmed 2019

Note:

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 912385

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211295	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1295
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.36m/s
6	Sampling Duration	66 min.
7	Ambient air temperature	33 °C
8	Stack temperature	55°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	19.6	30	IS:11255(Pt-I):2003 reaffirmed 2019

Note:

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Checked By



(Signature)
(Authorized Signatory)
SURINDER SINGH
Op. Technical Manager
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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212386

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211296	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1296
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

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	9.11m/s
6	Sampling Duration	64 min.
7	Ambient air temperature	34C
8	Stack temperature	70°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	22.9	30	IS:11255(Pt -I):2003 reaffirmed 2019

Note:

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(Authorized Signatory)

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Dy. Technical Manager
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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212387

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211297	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1297
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-1 & 2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.36m/s
6	Sampling Duration	70 min.
7	Ambient air temperature	33 °C
8	Stack temperature	58°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	16.9	30	IS:11255(Pt -I):2003 reaffirmed 2019

Note:

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Surinder Singh
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SURINDER SINGH
Dy. Technical Manager
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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212380

Date:- 06.06.2021

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TEST REPORT

To

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

Report No.	ETL/44/2021/G/211290	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Boiler Stack
Sample Code given by Customer	Nil	Date of sampling	25.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1290
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

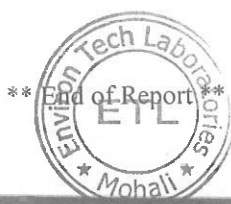
1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler-1(45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.25m/s
6	Sampling Duration	75 min.
7	Ambient air temperature	35 °C
8	Stack temperature	136 °C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	28.6	50	IS:11255(Pt -1):2003 reaffirmed 2019
2.	Sulphur Dioxide, as SO ₂	245	600	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x	142	300	Lab SOP- by Electrochemical Method
4.	Mercury(Hg)	BDL(MDL 0.001)	-	EPA:M-29/102
5.	Carbon Monoxide, (as CO) mg/Nm ³	58	...	Lab SOP- by Electrochemical Method

Note:

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Checked By



Surinder Singh
(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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

Email : envrontechlab72@yahoo.com, director@envrontechlab.in | Website : envrontechlab.com

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Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212423

Date:- 4.6.2021

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TEST REPORT

To

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

Report No.	ETL/44/2021/G/211333	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Boiler Stack
Sample Code given by Customer	Nil	Date of sampling	25.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1333
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler-2(45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.89m/s
6	Sampling Duration	72min.
7	Ambient air temperature	35 °C
8	Stack temperature	128 °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 (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	50	IS:11255(Pt -1):2003 reaffirmed 2019
2.	Sulphur Dioxide, as SO ₂	284	600	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x	165	300	Lab SOP- by Electrochemical Method
4.	Mercury(Hg)	BDL(MDL 0.001)	-	EPA:M-29/102

Note:

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Checked By



Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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OHSAS 45001:2018

Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212378

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)

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

Report No.	ETL/44/2021/G/211288	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1288
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Fly Ash Drier
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.15m/s
6	Sampling Duration	76min.
7	Ambient air temperature	35°C
8	Stack temperature	86°C
9	Stack height from ground level	39.5meter (GL)
10	Diameter of stack	2.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.3	30	IS:11255(Pt -1):2003 reaffirmed 2019
2.	Sulphur Dioxide, as SO ₂	25	...	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x	35	...	Lab SOP- by Electrochemical Method
4.	Carbon Monoxide, (as CO) mg/Nm ³	14	...	Lab SOP- by Electrochemical Method
5.	Mercury(Hg)	BDL(MDL 0.001)	-	EPA:M-29/102

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Surinder Singh
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
Email : environtechlab72@yahoo.com, director@environtechlab.in | Website : environtechlab.com
NOT VALID FOR LEGAL PURPOSES

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Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212419

Date:- 06.06.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211329	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample L.D.	ETL/32/2021/G/1329
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Tippler Stack No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.15m/s
6	Sampling Duration	62min.
7	Ambient air temperature	34 °C
8	Stack temperature	53°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	24.3	30	IS:11255(Pt -1):2003 reaffirmed 2019

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212420

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211330	Report Date	04.06.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	27.05.2021
Sampling Location	Within Premises	Date of Sample Receipt	28.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1330
Sampling procedure	As per SOP	Date of test	28.05.2021-04.06.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Tippler Stack No-2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.13m/s
6	Sampling Duration	63min.
7	Ambient air temperature	35°C
8	Stack temperature	70°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 ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	20.4	30	IS:11255(Pt-1):2003 reaffirmed 2019

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Checked By



(Signature)
(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Amexure-3
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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212389

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211299	Report Date	04.06.2021
Your Ref. No.	Nil	Type of sample	STP Outlet (ota)
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of sample receipt	26.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1299
Sampling Procedure	As per Lab SOP	Date of test	26.05.2021- 04.06.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.26	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025(Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/L	62	100	600	200	IS:3025(Part-17)2012,Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/L	648	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	20	30	350	100	IS:3025(Part-44)2009,Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/L	60	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	04	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Checked By
Saw



Surinder Singh
(Authorized Signatory)

SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212428

Date:- 4.6.2021

TEST REPORT

Page 1 of 1

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

Report No.	ETL/44/2021/O/211311A	Report Date	04.06.2021
Your Ref. No.	Nil	Type of sample	STP-2 Outlet (New)
Sample Code Given by Customer	STP PLANT-2	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of sample receipt	26.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/1311A
Sampling Procedure	As per Lab SOP	Date of test	26.05.2021- 04.06.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.14	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS:3025(Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/L	5.3	100	600	200	IS:3025(Part-17)2012,Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/L	220	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	04	30	350	100	IS:3025(Part-44)2009,Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/L	10	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	04	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Annexure-4

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212392

Date:- 04.06.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211302	Report Date	04.06.2021
Your Ref. No.	Nil	Type of sample	RO-1 Product Water (ETP)
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of sample receipt	26.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1302
Sampling Procedure	As per Lab SOP	Date of test	26.05.2021- 04.06.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.56	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025(Part-11)2002, Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/L	243	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS:3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS:3025(Part-58)2006, Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	ND	10	20	10	IS:3025(Part-39)2003, Reaff.2014 APHA 23 rd Edition:2017-5520 B

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(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212393

Date:- 4.6.2021.

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211303	Report Date	04.06.2021
Your Ref. No.	Nil	Type of sample	RO -2 Product Water (ETP)
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of sample receipt	26.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1303
Sampling Procedure	As per Lab SOP	Date of test	26.05.2021- 04.06.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.32	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025(Part-11)2002,Reaff.2017 APHA 23rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS:3025(Part-17)2012,Reaff.2017 APHA 23rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/L	221	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS:3025(Part-44)2009,Reaff.2014. APHA 23rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	ND	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23rd Edition:2017-5520 B

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Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 212390

Date:- 4.6.2021

Page 1 of 1

TEST REPORT

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

Report No.	ETL/44/2021/G/211300	Report Date	04.06.2021
Your Ref. No.	Nil	Type of sample	Ro Project Final (ETP)
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	26.05.2021
Sampling Location	Within Premises	Date of sample receipt	26.05.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/1300
Sampling Procedure	As per Lab SOP	Date of test	26.05.2021- 04.06.2021

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 APHA 23 rd Edition:2017-4500H*B
2.	Total Suspended Solids, mg/L	04	100	600	200	IS:3025(Part-17)2012,Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/L	340	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS:3025(Part-44)2009,Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	ND	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Checked By



(Authorized Signatory)
SURINDER SINGH
Dy. Technical Manager
Environ Tech Laboratories

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

ਸੇਵਾ ਵਿਖੇ,

ਸ੍ਰੀ ਰਾਜੀਵ ਜੈਨ
ਸੀਨੀਅਰ ਵਾਈਸ ਪ੍ਰੋਜੈਕਟਰ,
ਅੰਬੂਜਾ ਸੀਮੈਂਟ ਲਿਮਿਟਿਡ,

ਨੰਬਰ: 10295

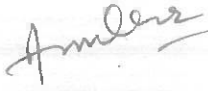
ਮਿਤੀ: 10-1-19

ਵਿਸ਼ਾ:- Request for Vetting of Green Cover

ਹਵਾਲਾ:- ਆਪ ਦਾ ਪੱਤਰ ਨੰਬਰ 722 ਮਿਤੀ 19.11.18

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਵਣ ਰੇਂਜ ਅਫਸਰ, ਰੂਪਨਗਰ ਨੇ ਆਪਣੇ ਪੱਤਰ ਨੰਬਰ 803 ਮਿਤੀ 31.12.18 ਰਾਹੀਂ ਇਸ ਦਫਤਰ ਨੂੰ ਰਿਪੋਰਟ ਕੀਤੀ ਹੈ ਕਿ ਅੰਬੂਜਾ ਸੀਮੈਂਟ 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।
10/1/19

1/1

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 ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Emission level is maintained below the prescribed norms.
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	Not Applicable as there 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 ₂ and NO _x emission standards by June 2004.	Not Applicable as this is a standalone Grinding Unit.
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	All the material transfer points are equipped with Bag Filters. Raw materials are stored in covered areas. Maximum area inside plant is either covered with Greenery or it has been concreted to prevent fugitive emission.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln	Not Applicable as this is a standalone Grinding Unit.

	by July 2003.	
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufactures, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Continuous emission monitoring system has been installed at all four Cement Mill Stacks and 3 Boiler stacks. Also a Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed. All the stack emission monitors and CAAQMS have been connected with CPCB and State Pollution Control Board for online data transmission.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable as this is a standalone Grinding Unit.
10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	All the particulate matter collected through APCEs is automatically recycled in the respected processes. More over we are using fly ash for making Pozolona Portland Cement (PPC) which is waste of Thermal Plants.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	The condition is not Applicable as this is a standalone Grinding Unit.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003. * Non complying units shall given bank guarantee to respective SPCBs.	Not Applicable.

Annexur - 7

Expenses incurred on CSR Activities for the Financial Year 2020-2021

Sr. No.	Programmes	Total Cost (in ₹ Lakhs)	Total Exp (in ₹ Lakhs)
1	Water Resource Management	10	7.59
2	Agro Based Livelihood	20.77	25.81
3	Health & Sanitation	14.07	29.8
4	Educatio Program	89.35	73.95
5	Women Empowerment	11.78	7.51
6	Infrastructure/ACL welfare	45	49.05
7	Establishment	9.59	7.28
	Grand Total (2020-21)	200.56	200.99

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