

Ref: ACL/MM/ENV2025/21

Date: 19/05/2025

To,
The Deputy Director (S) /Scientist –C,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, Aranya Bhawan, Room No. A-209&218,
Institutional Area, Jhalana Doogari, Jaipur (Rajasthan)-302004

Subject: Six monthly compliance report of Environmental Clearance for Cement Plant (Clinker 3.0 MTPA, Cement 4.5 MTPA) along with Captive Power Plant (50 MW) and WHRB (9 MW) located at near Marwar Mundwa Tehsil & Dist. Nagaur M/s Ambuja Cement Ltd. Unit: Marwawar Mundwa ,Nagaur (RAJ) for the period of **October-2024 to March-2025**.

Ref.: MOEF& CC, New Delhi letter No.: - J-11011/394/2010-IA-II (I) Dated 05/05/2011 & Extension / amendment letter no. : Z-11011/6/2013-IA-II (I) pt Dated 31.08.2018 and expansion in clinker capacity from 3.0 MTPA to 3.6 MTPA through NIPL vide letter no .Project/RSPCB/1881 dated 26/12/2024.

Dear Sir,

This has reference to above subject matter & referred environmental Clearance Letter. We are herewith submitting the point wise six-monthly compliances on conditions stipulated under environment clearance along with monitoring data for the period from **October 2024 to March-2025**. As per MoEF&CC notification no. S.O. 5845(E) dated 26.11.2018 the soft copy has been send to e-mail id roc.lko-mef@nic.in, iro.jaipur-mefcc@gov.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gmail.com, ccb.cpcb@nic.in , for kind reference and record please.

We hope that your good self will find the above in order.

Thanking You,
Yours faithfully,

For Ambuja Cement Ltd. (Unit: Marwar Mundwa)

Chetan Kardumabhai Raval
(Chief Plant Manager)

Encl.: A/A & Soft copy

Copy to:

1. The Additional Director(S), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi, Pin. 110003.
2. Regional Director (Central Zone), Central Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal, Madhya Pradesh- 462016.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, Near Dr. Hedgewar Hospital , Shahdara- Behind Karkarduma high court , New Delhi 110032.
4. Member Secretary, Rajasthan State Pollution Control Board'4th, Institutional Area, Jhalana Doogari, Jaipur (Raj) - 302004.

AMBUJA CEMENTS LTD.
UNIT-MARWAR MUNDWA
Tehsil & District - Nagaur (Rajasthan)-341
026, Phone : 01584-283027, Email
uhd.marwarmundwa@ambujacement.com
CIN: L26942GJ1981PLC004717

(Registered Office)
Adani Corporate House,
Shantigram, Near Vaishnav Devi
Circle,
S. G. Highway, Khodiyar,
Ahmedabad,
Gujarat 382421) CIN :
L26942GJ1981PLC004717,
Website :
www.ambujacement.com

Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Proposed Cement Plant (Clinker 3.0 MTPA; Cement 4.5 MTPA) along with Captive Power Plant (50 MW) and WHRB (9 MW) at Tehsil- Mundwa, District- Nagaur in Rajasthan by M/s Ambuja Cements Limited - regarding Environmental Clearance and extension of Validity and amendment of Environment Clearance regarding dated 31/08/2018.		
Name of Entity / Corporate Office	M/s Ambuja Cements Limited		
Village(s)	N/A		
District	NAGAUR		
Proposal No.	IA/RJ/IND/4731/2011	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	RAJASTHAN	Entity's PAN	*****0569P
MoEF File No.	J-11011/394/2010-IA-II (I)	Entity name as per PAN	Ambuja Cements Limited

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	EC Compliance submission for period October 2024 to March 2025. Environment Clearance letter No. J-11011/394/2010-IA-II (I) dated 05th May 2011 and extension of the EC vide letter No. Z-11011/6/2013-IA. II (I) dated 31th August 2018. and expansion in clinker capacity from 3.0 MTPA to 3.6 MTPA through NIPL vide letter no. Project/RSPCB/1881 dated 26/12/2024.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	M/s Ambuja Cements Limited	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	194.84	194.84

Revenue Land	68.92	68.92
Forest	0	0
Others	0	0
Total	263.76	263.76

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cement	Million Tons per Annum (MTPA)	31/10/2028	4.5	2.03	4.5
2	Clinker	Million Tons per Annum (MTPA)	31/10/2028	3.6	3.33	3.6
3	WHRS	MW	31/10/2028	9	77636.1	15

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Continuous monitoring system to monitor gaseous emissions shall be provided and limit of SPM should be controlled within 50 mg/Nm ³ by installing adequate air pollution control system and energy efficient technology. Continuous monitoring of stack emission as well as ambient air quality (as per notified standards) shall be carried out and continuous record maintained. Based on the monitored data, necessary corrective measures as may be required from time to time shall be taken to ensure that the levels are within permissible limits. The results of monitoring shall also be submitted to the respective Regional Office of MoEF regularly. Besides, the results of monitoring will also be put on the website of the company in public domain.

PPs Submission: Being Complied

Continuous emission monitoring system (CEMS) has been installed and being operated at all main stack (Kiln and raw mill, Coal mill, Cooler and Cement Mill). We carried out the isokinetic in-house monitoring as per norms. Monitoring values of period October-2024 to March-2025 are enclosed in attachment. Third party monitoring of stack emission carried out on quarterly basis by NABL accredited laboratory, Report enclosed as Annexure-1. 4 nos. of continuous ambient air quality monitoring system (CAAQMS) are installed and being operated at boundary of cement plant and data connectivity with RSPCB /CPCB portal is done on regular basis. Stack Monitoring Reports by NABL approved laboratory attached as Annexure-01

Date:
19/05/2025

2 AIR QUALITY MONITORING AND PRESERVATION

The ambient air quality data as well as the stack emission data shall also be displayed in public domain at some prominent place near the main gate of the company and updated in real time.

PPs Submission: Complied

The real time data of continuous emission monitoring system (CEMS) and continuous ambient air monitoring system (CAAQMS) are being displayed through digital display board at plant main gate

Date:
19/05/2025

		for the public domain. Photographs of Digital Display Board attached as Annexure-02	
3	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	
	PPs Submission: Being Complied We are carried out third party monitoring as per national Air Quality Standards issued by the Ministry vide G.S.R. no. 826 (E) dated 16th November, 2009 by MoEFCC/ NABL accredited lab on quarterly basis. Last monitoring report of period October-2024 to March-2025 enclosed as Annexure-3.		Date: 19/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	
	PPs Submission: Being Complied We are carried out following control measures for fugitive emission. Unloading hoppers are covered by metal sheet and high efficient bag filter installed at unloading point. Efficient Water spray system provided to suppress the dust at unloading point like additive, coal etc. All material discharge chutes are fully covered by metal sheet. Bag filters/Bag house are installed on the discharge/transfer points. Conveyor belts are covered for handling of fine materials. All raw materials, additives, intermediate and product are being stored in covered storage areas. Photographs of Control Measures and fugitive monitoring by NABL approved laboratory attached as Annexure-04.		Date: 19/05/2025
5	Statutory compliance	The six-monthly monitoring reports as well as the mentioned data on various parameters as stipulated in environment clearance conditions shall be put on the website of the company and also regularly updated. The monitored data shall also be submitted to respective State Pollution Control Board / UTPCCs and the Regional Office of MoEF CC.	
	PPs Submission: Being Complied We are regular uploading the status of compliance of the stipulated environment clearance conditions, including result of monitoring data of the plant on the company website periodically.		Date: 19/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	Asphalting/concreting of roads and water spray all around the critical areas prone to air pollution and having high levels of SPM and RPM should be ensured.	
	PPs Submission: Complied All the main roads are paved and concreted. Sweeping machine continuously engaged for road sweeping with proper cleaning manner and the dust suppression regularly done by fog cannon machine at various locations in plant. water tanker is always engaged in water spraying on haul road, critical areas prone to air pollution. Photographs of Fog Cannon machine, paved roads and water tanker attached as Annexure-05		Date: 19/05/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored.	
	PPs Submission: Being Complied All raw material and products are transported in tarpaulin covered trucks and fly ash transported in bulk. Photographs of Covered trucks and Closed Bulk.ers attached as Annexure-06		Date: 19/05/2025
8	WATER QUALITY MONITORING AND	Total water requirement for the proposed expansion shall not exceed 2000m ³ /day. The company shall installed air cooled	

	PRESERVATION	condenser in the CFBC boiler. Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site. The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to conserve fresh water and reduce the water requirement pressure from the river. An action plan shall be submitted to Ministry Regional Office at Lucknow within 3 months from date of issue of this letter.
PPs Submission: Being Complied Complying with, for process water requirement, we have installed 3 MLD water treatment plant at Matasukh, wherein brackish water from Lignite mines of RSMML is treated to meet requirement and action Plan for the same has been submitted on 18th July 2011.		Date: 19/05/2025
9	AIR QUALITY MONITORING AND PRESERVATION	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing.
PPs Submission: Complied All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices are being totally recycled in the process.		Date: 19/05/2025
10	WASTE MANAGEMENT	An effort shall be made to use high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.
PPs Submission: Being Complied Agreed.		Date: 19/05/2025
11	WASTE MANAGEMENT	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.
PPs Submission: Being Complied Agreed, low grade limestone is being used with the raw material. Fly ash from Suratgarh TPP is being used for making PPC type cement. Municipal solid waste, biomass and RDF is being used as AFR (Alternative fuel and Raw material). Other hazardous wastes are also being used for replacement of fuel and increase TSR (Thermal substitution ratio).		Date: 19/05/2025
12	Statutory compliance	All the fly ash shall be utilized as per Fly Ash Notification, 1999 subsequently amended in 2003 and 2009. Efforts shall be made to use fly ash maximum in making Pozolona Portland Cement (PPC).
PPs Submission: Being Complied Agreed, Fly ash from Suratgarh Thermal Power Plant is being used for making Pozolona Portland Cement (PPC).		Date: 19/05/2025
13	Risk Mitigation and Disaster Management	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministrys Regional Office at Lucknow, SPCB and CPCB within 3 months of issue of environment clearance letter.
PPs Submission: Complied Complied, The same has been submitted on 18th July 2011.		Date: 19/05/2025
14	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.
PPs Submission: Being Complied		Date:

Complied with the CREP conditions.		19/05/2025
15	PUBLIC HEARING	The company shall comply with the commitments made during public hearing held on 29.12.2010 and a separate budget for implementing the same should be allocated and information submitted to the Ministry Regional Office at Lucknow.
PPs Submission: Being Complied The same has been submitted on 18th July 2011. CSR wing is implementing the programs according. We are working in approx 12 nos. nearby villages for community development under CSR.		Date: 19/05/2025
16	Corporate Environmental Responsibility	At least 5 percentage of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry Regional Office at Lucknow. Implementation of such program should be ensured accordingly in a time bound manner.
PPs Submission: Being Complied The same has been submitted on 18th July 2011. We are committed to implement the same. Implementation is ongoing and it is our regular activities and carried out through well-established Corporate Social Responsibility department known as AMBUJA CEMENT FOUNDATION. The Corporate Social Responsibility activates expenditure amount of period Apr-2024 to Mar-2025 is 374.15 Lacs. Details attached as Annexure-07		Date: 19/05/2025
17	Human Health Environment	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
PPs Submission: Complied Implemented. Company has provided all basic facilities, including infrastructure, fuel, cooking, mobile toilets, drinking water, medical health care etc.		Date: 19/05/2025
18	Statutory compliance	All other terms and conditions prescribed in EC Letter no. J-11011/394/2010-IA-II (I) Dated 05/05/2011 shall remain unchanged.
PPs Submission: Being Complied Complying with		Date: 19/05/2025
19	GREENBELT	As proposed by project proponent, the green belt shall be developed in an area of 85.1 Ha with native and broad leaved species, as per guidelines of CPCB. The green belt inter alia shall cover plant periphery of the project.
PPs Submission: Being Complied Complying with, We have total 90300 nos. trees planted in 85.1 Ha area our plant and colony premises. Per hectare gap filling will be carried out for Density enhancement to achieve 1500/Hectare. Photographs of Plantation attached as annexure-08		Date: 19/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Noise Monitoring & Prevention	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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules viz. 75 dBA(day time) and 70 dBA (night time).	
PPs Submission: Being Complied Complying with, Noise level monitoring report enclosed as Annexure-09.			Date: 19/05/2025
2	Human Health Environment	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the factories act.	
PPs Submission: Complied Being implemented. We have established health care facilities with well experiences and educated doctors and nursing staff team. Photograph of OHC Center attached as annexure-10			Date: 19/05/2025
3	Statutory compliance	All the environment management measures given in the EIA/EMP shall implement and complied with.	
PPs Submission: Being Complied Being Implemented.			Date: 19/05/2025
4	WATER QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Being Complied Ambuja Cement foundation has received 1st NATIONAL WATER AWARD by Ministry of Jal Shakti for outstanding work done in Over Exploited areas. The company shall make rainwater harvesting structures on all the rooftops and storm water drains to recharge the ground water. Moreover the company with the help of its community development arm Ambuja Cement Foundation has already completed 2005 Roof Rain Water harvesting structures, 1063 water storage tanks and deepening of 140 pond in and around the project site.			Date: 19/05/2025
5	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of the monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely ; RSPM, SO ₂ ,NO _x (ambient levels as well stack emissions) or critical sartorial 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.	
PPs Submission: Being Complied Complying with, Compliance with monitoring data is being sent to MoEFCC, CPCB and RPCB on regular basis. Monitoring data is being digitally displayed at the main gate of the company in the public domain.			Date: 19/05/2025
6	Statutory compliance	The project authority shall must adhere to the stipulations made by RSPCB and State Government.	
PPs Submission: Being Complied Complying with the stipulations made by RSPCB and state Government.			Date: 19/05/2025
7	Statutory compliance	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	

PPs Submission: Being Complied Agreed. Plant expansion or modification of the plant will be carried out after obtaining prior approval of MoEFCC and RSPCB.		Date: 19/05/2025
8	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from various process units shall conform to the load /mass based standards notified by ministry on 19th May 1993 and standards prescribed from time to time. The RSPCB may stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
PPs Submission: Being Complied Complying with, Our plant established based on modern designed with state of art technology to reduce gaseous emissions. Interlocking has been provided with all the pollution control measures.		Date: 19/05/2025
9	Human Health Environment	Proper housekeeping and adequate occupational health programs shall be taken up as per the Factory Act.
PPs Submission: Being Complied Complying with. Housekeeping of all the paved roads are being done by vacuum sweeping machine. occupational health checkups and awareness programs are organized.		Date: 19/05/2025
10	Human Health Environment	The company shall undertake eco-development measures including community welfare measures in the project area.
PPs Submission: Being Complied Complying with.		Date: 19/05/2025
11	MISCELLANEOUS	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
PPs Submission: Complied Complied.		Date: 19/05/2025
12	MISCELLANEOUS	The requisite funds shall be earmarked towards total capital cost and recurring cost /annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by Ministry of Environment And Forest as well as the state government. The funds so provided shall not be diverted for any other purpose.
PPs Submission: Being Complied Environment protection measures and safeguards recommended in the EIA/EMP report is adopted. Details of expenditure cost for control measures for pollution for plant and mine for period Oct 2024 to March 2025. Head under which Amount spent Amount spent in Lakhs Pollution Control Devices Maintenance Cost and Power Cost -289.82 Pollution Monitoring (Air and Water) - 7.00 Green Belt Development -165.86 Consent Fee for CTE/CTO /Renewal of CTO and Water charges - 15.90 Total amount ----478.58		Date: 19/05/2025
13	MISCELLANEOUS	The Project Authorities shall inform the Regional Office as well as the Ministry, the date if financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

PPs Submission: Being Complied Agreed.		Date: 19/05/2025
14	MISCELLANEOUS	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / 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 be put on the web site of the company by the proponent.
PPs Submission: Complied Complied.		Date: 19/05/2025
15	MISCELLANEOUS	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copy as well as email) to the respective regional office of MoEF, the respective zonal office of CPCB and the SPCB. The regional office of this ministry at Lucknow/CPCB/RSPCB shall monitor the stipulated conditions.
PPs Submission: Being Complied Complying with, last half yearly compliance report submitted at your kind office through mail on dated 20/11/2024 vide letter No Ref: ACL/MM/ENV/EC-CP-F-5/1130		Date: 19/05/2025
16	MISCELLANEOUS	The environmental statement for each financial year ending 31st 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 Environmental (Protection) Rules ,1986, as amended subsequently, shall also be put on the website of the company along-with the status of the compliance of environmental conditions and shall also be sent to the respective regional offices of the MoEF by email.
PPs Submission: Being Complied Complied, Environmental statement Report of FY 2023-24 has submitted vide letter no. ACL/MM/ENV/ESR/2024/24 on date 24/09/2024.		Date: 19/05/2025
17	MISCELLANEOUS	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 Rajasthan State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This should 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 forwarded to the Regional Office at Lucknow.
PPs Submission: Complied The news had been published in Dainik Bashkar and Rajasthan Patrika on 11/05/2011 and also displayed on our official website.		Date: 19/05/2025
18	MISCELLANEOUS	The PP shall obtain fresh EC in case of change in scope of the project, if any.
PPs Submission: Complied Agreed.		Date: 19/05/2025

Visit Remarks

**Last Site Visit
Report Date:**

N/A

**Additional
Remarks:**

EC Compliance submission for period October 2024 to March 2025. Environment Clearance letter No. J-11011/394/2010-IA-II (I) dated 05th May 2011 and extension of the EC vide letter No. Z-11011/6/2013-IA. II (I) dated 31th August 2018. and expansion in clinker capacity from 3.0 MTPA to 3.6 MTPA through NIPL vide letter no. Project/RSPCB/1881 dated 26/12/2024.

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.



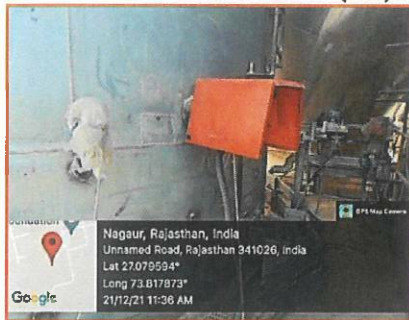
Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA/RJ/IND/4731/2011
Compliance ID	126640884
Compliance Number(For Tracking)	EC/M/COMPLIANCE/126640884/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	19-05-2025
RO/SRO Name	Shrawan Kumar Verma
RO/SRO Email	kr099.ifs@nic.in
State	RAJASTHAN
RO/SRO Office Address	Integrated Regional Offices, Jaipur

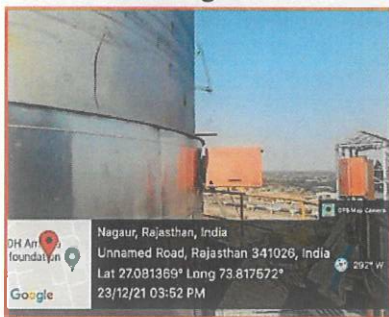
Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, RAJASTHAN with Notification to Project Proponent.

Photographs of Emissions Monitoring Equipment

CEMS : for Particulate Matter (PM) emission monitoring



Kiln & Raw mill bag house



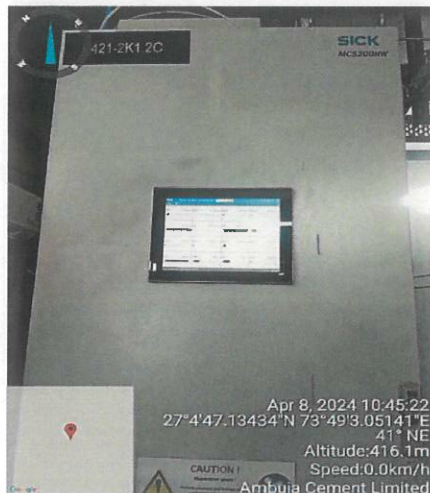
Coal Mill Bag House

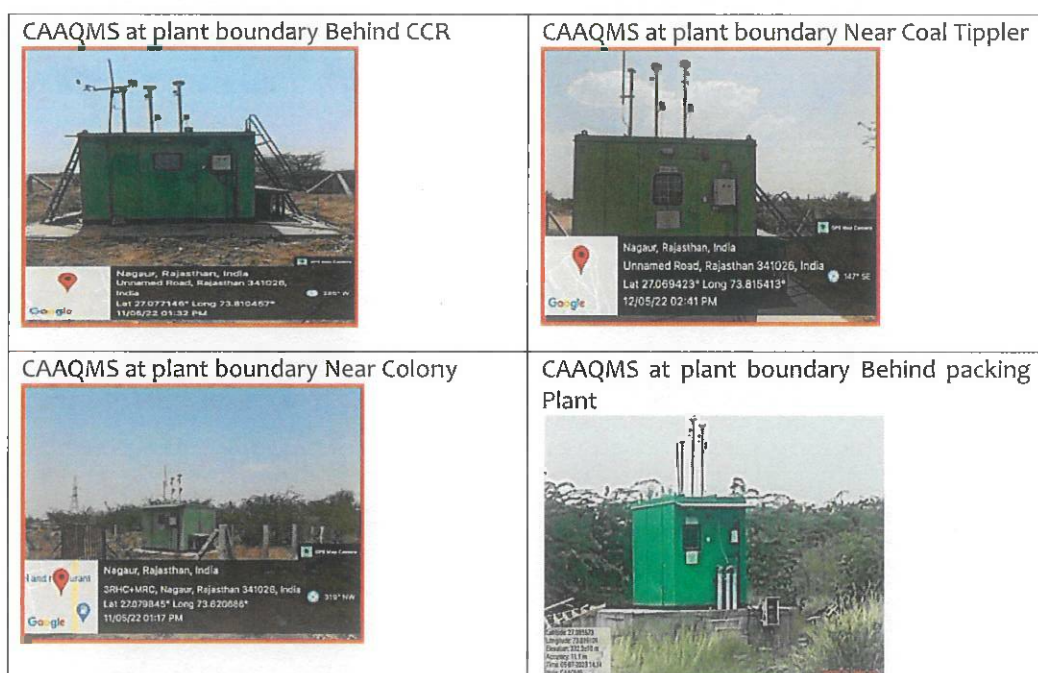


Cooler ESP

Cement Mill Bag House

CEMS : for Gaseous emission monitoring





Stack and Ambient Air Sampling results given as below-

Location	Type of APCD	Monitoring PM Average Values (in mg/Nm ³)					
		Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
Kiln & Raw Mill	Bag House	17.1	19.2	18.26	17.8	16.9	15.3
Coal Mill	Bag House	16.3	17.8	14.96	12.8	15.7	14.6
Clinker Cooler	ESP	18.5	16.3	15.42	12.2	13.9	13.2
Cement Mill	Bag House	11.2	13.6	12.77	15.2	13.2	14.6
Packer-1	Bag Filter	12.9	13.2	15.4	16.2	18.1	17.5
Packer-2	Bag Filter	11.2	14.9	13.42	12.2	13.2	11.2

Gaseous emission monitoring results for SO₂ & NO_x:

Location	Parameter	Monitoring Gaseous Average Values (in mg/Nm ³)					
		Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
Kiln & Raw Mill	SO ₂	50.12	48.9	56.4	60.2	53.2	62.5
	NO _x	280	312	274.1	323	310	289

October- 2024

Parameters	PCB Norms (in µg/M³)	Observed Average Value (in µg/M³)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	67.12	60.98	71.2	73.2
PM-2.5	60	40.12	45.71	33.23	48.32
SO ₂	80	12.13	14.21	10.21	9.89
NO _x	80	19.0	19.4	20.3	21.6
CO	4 mg/m ³	0.79	0.87	0.94	0.96

Month: November-2024

Parameters	PCB Norms (in µg/M³)	Observed Average Value (in µg/M³)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	66.12	67.8	66.2	70.3
PM-2.5	60	40.1	42.3	45.7	46.2
SO ₂	80	9.1	9.4	10.3	10.2
NO _x	80	19.0	24.3	25.1	17.2
CO	4 mg/m ³	0.88	0.92	0.89	0.79

Month: December- 2024

Parameters	PCB Norms (in µg/M³)	Observed Average Value (in µg/M³)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	79.84	81.45	86.45	73.59
PM-2.5	60	38.45	40.87	43.25	36.12
SO ₂	80	14.58	16.14	18.45	12.48
NO _x	80	19.45	20.45	23.45	18.36
CO	4 mg/m ³	0.81	0.91	0.99	0.79

Month: January -2025

Parameters	PCB Norms (in µg/M³)	Observed Average Value (in µg/M³)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	71.12	69.32	70.23	63.12
PM-2.5	60	32.3	36.7	40.3	43.2
SO ₂	80	9.23	11.23	14.3	12.2
NO _x	80	15.3	16.7	15.1	20.2
CO	4 mg/m ³	0.98	0.89	0.88	0.91

Month: February 2025

Parameters	PCB Norms (in $\mu\text{g}/\text{M}^3$)	Observed Average Value (in $\mu\text{g}/\text{M}^3$)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	76.2	67.8	53.2	50.3
PM-2.5	60	42.3	39.0	41.6	38.9
SO ₂	80	9.9	11.1	10.9	12.1
NO _x	80	23.1	22.4	18.7	17.9
CO	4 mg/m ³	0.78	0.98	0.89	0.91

Month: March 2025

Parameters	PCB Norms (in $\mu\text{g}/\text{M}^3$)	Observed Average Value (in $\mu\text{g}/\text{M}^3$)			
		NEAR CCR	NEAR PACKING PLANT	NEAR COAL YARD	NEAR COLONY
PM-10	100	75.26	85.89	81.4	67.23
PM-2.5	60	40.18	43.91	37.69	31.08
SO ₂	80	17.9	18.67	16.34	9.98
NO _x	80	22.9	24.63	19.82	15.90
CO	4 mg/m ³	0.91	0.87	0.94	0.81



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Sample Number : VTL/S/01

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026 Rajasthan

TEST REPORT



Report No. : VTL/S/2503280018/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Raw Mill & Kiln
Sample Collected By : VTL Team
Date of Sampling : 25/03/2025
Sampling duration (Minutes) : 26 min. (10:00 to 10:26 hrs.)
Stack attached to : Raw Mill & Kiln
Make of stack : MS
Diameter of stack(m) : 6.0 m
Height of stack(m) : 154.2 m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32°C
Temperature of Stack Gases - Ts (°C) : 143°C
Velocity of Stack Gases (m/sec.) : 28.69
Flow rate of PM (LPM) : 39
Flow rate of Gas (LPM) : 2.0
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	15.36	mg/Nm ³	30
2	Sulphur Dioxide (SO ₂)	IS: 11255 (P- 2): 1985, RA 2019	62.59	mg/Nm ³	100
3	Oxide of Nitrogen (NOX)	IS- 11255 (P-7);2005, RA- 2022	289.0	mg/Nm ³	600
4	Mercury (Hg)	USEPA 29 : 2017	*BLQ (**LOQ 0.001)	mg/Nm ³	0.05
5	Arsenic (As)	USEPA 29 : 2017	*BLQ (**LOQ 0.005)	mg/Nm ³	--

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

End of Report



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Sample Number : VTL/S/02

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026
Rajasthan

Report No. : VTL/S/2503280019/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Coal Mill
Sample Collected By : VTL Team
Date of Sampling : 25/03/2025
Sampling duration (Minutes) : 35 min. (11:00 to 11:35 hrs.)
Stack attached to : Coal Mill
Make of stack : MS
Diameter of stack(m) : 2.6 m
Height of stack(m) : 69.0 m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 33°C
Temperature of Stack Gases - Ts (°C) : 113°C
Velocity of Stack Gases (m/sec.) : 19.54
Flow rate of PM (LPM) : 29
Flow rate of Gas (LPM) : 2.0
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	17.33	mg/Nm3	30
2	Sulphur Dioxide (SO ₂)	IS: 11255 (P-2) : 1985, RA 2019	22.56	mg/Nm3	Not Specified
3	Oxide of Nitrogen (NO ₂)	IS- 11255 (P-7);2005, RA- 2022	28.96	mg/Nm3	--

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

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Sample Number : VTL/S/03

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

TEST REPORT



Report No. : VTL/S/2503280020/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Clinker Cooler
Sample Collected By : VTL Team
Date of Sampling : 25/03/2025
Sampling duration (Minutes) : 30 min. (12:10 to 12:40 hrs.)
Stack attached to : Clincker cooler
Make of stack : MS
Diameter of stack(m) : 4.80 m
Height of stack(m) : 50.0 m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 34°C
Temperature of Stack Gases - Ts (°C) : 192°C
Velocity of Stack Gases (m/sec.) : 26.98
Flow rate of PM (LPM) : 33
Flow rate of Gas (LPM) : 2.0
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	13.29	mg/Nm3	30
2	Sulphur Dioxide (SO ₂)	IS: 11255 (P- 2): 1985, RA 2019	16.44	mg/Nm3	Not Specified
3	Oxide of Nitrogen (NO ₂)	IS- 11255 (P-7);2005, RA- 2022	22.80	mg/Nm3	--

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TEST REPORT



Sample Number : VTL/S/04

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

Report No. : VTL/S/2503280021/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Cement Mill
Sample Collected By : VTL Team
Date of Sampling : 25/03/2025
Sampling duration (Minutes) : 24 min. (15:50 to 16:14 hrs.)
Stack attached to : Cement Mill
Make of stack : MS
Diameter of stack(m) : 2.5 m
Height of stack(m) : 47.4m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 35°C
Temperature of Stack Gases - Ts (°C) : 86°C
Velocity of Stack Gases (m/sec.) : 11.77
Flow rate of PM (LPM) : 42
Flow rate of Gas (LPM) : -
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	14.60	mg/Nm3	30

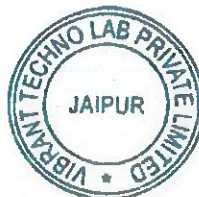
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Sample Number : VTL/S/05

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Report No. : VTL/S/2503280022/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Packing Plant-1
Sample Collected By : VTL Team
Date of Sampling : 26/03/2025
Sampling duration (Minutes) : 20 min. (10:10 to 10:30 hrs.)
Stack attached to : Packing plant
Make of stack : MS
Diameter of stack(m) : 1.004 m
Height of stack(m) : 34.0m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 26°C
Temperature of Stack Gases - Ts (°C) : 78°C
Velocity of Stack Gases (m/sec.) : 13.71
Flow rate of PM (LPM) : 50
Flow rate of Gas (LPM) : -
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : -

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	17.58	mg/Nm3	30

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

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Sample Number : VTL/S/06

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

TEST REPORT



Report No. : VTL/S/2503280023/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Packing Plant-2
Sample Collected By : VTL Team
Date of Sampling : 26/03/2025
Sampling duration (Minutes) : 17 min. (11:20 to 11:37 hrs.)
Stack attached to : Packing Plant
Make of stack : MS
Diameter of stack(m) : 1.004 m
Height of stack(m) : 34.0m
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 28°C
Temperature of Stack Gases - Ts (°C) : 77°C
Velocity of Stack Gases (m/sec.) : 15.97
Flow rate of PM (LPM) : 59
Flow rate of Gas (LPM) : --
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (P-1) : 1985, RA 2019	11.24	mg/Nm3	30

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

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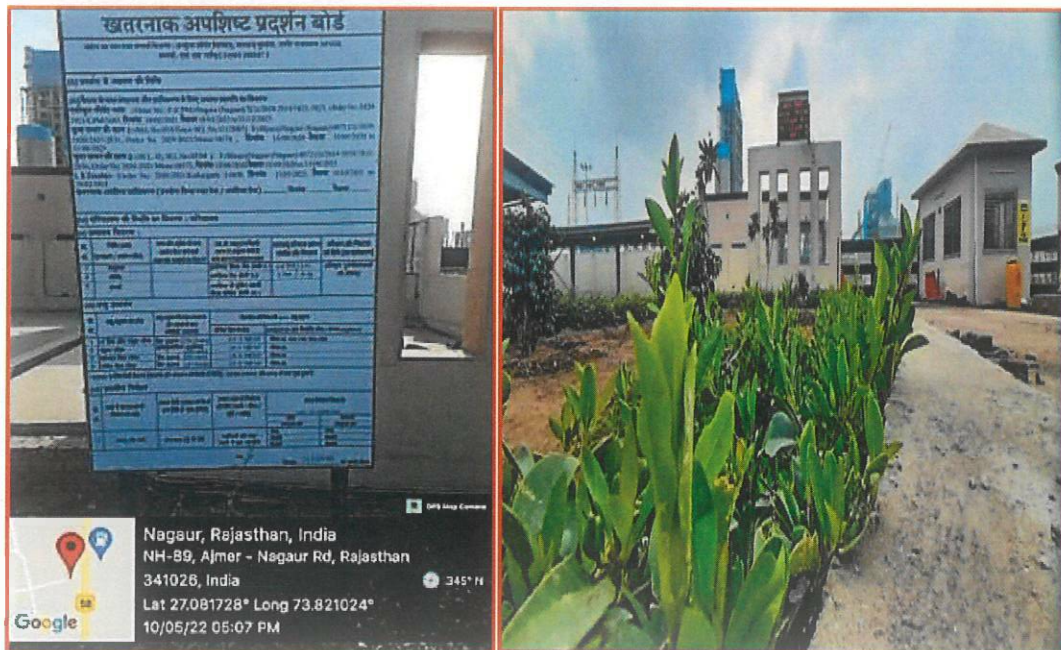
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Annexure-02

Photograph of Digital & manual display board at main gate-





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Sample Number : VTL/AA/12

Name & Address of the Party : M/s Ambuja Cement Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

TEST REPORT



Report No. : VTL/A/2503280023/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near CCR Building
 Sample Collected By : VTL Team
 Instrument Code : VTL/RDS/FPS/07
 Coordinates : -
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 25/03/2025 To 27/03/2025
 Time of Monitoring : 07:55 TO 07:55 Hrs.
 Ambient Temperature (°C) : Min. 23°C Max. 38°C
 Surrounding Activity : Human, Vehicular & Plant Act.
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	75.26	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	40.18	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	22.90	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	17.09	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.74	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	12.96	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	14.62	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26): 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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Sample Number : VTL/AA/13

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Report No. : VTL/A/2503280024/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Packing Plant
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/08
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 08:15 TO 08:15 Hrs.
Ambient Temperature (°C) : Min. 23°C Max. 38°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	85.89	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	43.91	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	24.63	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	18.67	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.83	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	14.82	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	15.01	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26): 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

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TEST REPORT



Sample Number : VTL/AA/14

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Report No. : VTL/A/2503280025/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Railway Siding Coal Tippler
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/09
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 08:50 TO 08:50 Hrs.
Ambient Temperature (°C) : Min. 23°C Max. 38°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

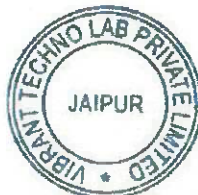
S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	81.40	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	37.69	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	19.82	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	16.34	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.90	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	12.36	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	17.56	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 28) : 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

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TEST REPORT



TC-11227

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Sample Number: VTL/AA/15

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

Report No. : VTL/A/2503280026/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Staff Colony
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/10
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 09:15 TO 09:15 Hrs.
Ambient Temperature (°C) : Min. 23°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	67.23	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	31.08	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	15.90	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.98	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.72	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	9.43	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	12.55	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26) : 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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Lab Incharge
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Sample Number: VTL/AA/16

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Report No. : VTL/A/2503280027/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mine Office
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/11
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 09:40 TO 09:40 Hrs.
Ambient Temperature (°C) : Min. 23°C Max. 38°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	76.50	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	36.95	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	18.33	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	13.08	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.80	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	11.09	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	16.77	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26) : 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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RK Yadav
Lab Incharge
Authorized Signatory



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TEST REPORT

Annexure - 04



Sample Number : VTL/FD/01

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280006/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Packing Plant
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025
Time of Monitoring : 09:00 to 17:00 Hrs.
Ambient Temperature (°C) : Min.27° Max 36°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	591.0	µg/m3

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Sample Number : VTL/FD/01

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280007/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Clinker yard

Sample Collected By : VTL Team

Sampling Equipment used : HVS

Instrument Code : VTL/HVS/02

Coordinates : -

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 25/03/2025

Time of Monitoring : 10:00 to 18:00 Hrs.

Ambient Temperature (°C) : Min.29° Max 38°

Surrounding Activity : Human, Vehicular & Plant Act.

Method of Sampling : Lab STP: VTL/STP/02

Sampling Duration : 8 Hrs.

Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	491.0	µg/m3

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Sample Number : VTL/FD/03

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280008/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Coal Handling Area
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025
Time of Monitoring : 10:30 to 18:30 Hrs.
Ambient Temperature (°C) : Min.29° Max 38°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	518.0	µg/m3

End of Report



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TEST REPORT



Sample Number : VTL/FD/03

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280009/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Kiln Area
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025
Time of Monitoring : 09:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min.27° Max 38°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	394.0	µg/m3

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Sample Number : VTL/FD/05

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026

Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280010/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Near Fly Ash Yard
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 18:50 to 02:50 Hrs.
Ambient Temperature (°C) : Min.23° Max 35°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	661	µg/m3

End of Report

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Sample Number : VTL/FD/05

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280011/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Near Crusher Area
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 18:30 to 02:30 Hrs.
Ambient Temperature (°C) : Min.23° Max 36°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

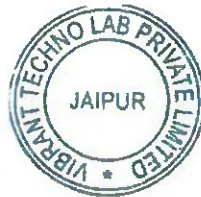
S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	660	µg/m3

End of Report

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Sample Number : VTL/FD/05

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026 Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280012/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Near Cement Mill Area
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025
Time of Monitoring : 8:00 to 16:00 Hrs.
Ambient Temperature (°C) : Min.19° Max 35°
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	551.0	µg/m3

End of Report



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Sample Number : VTL/FD/05

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)

PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026

Rajasthan

Name & Address of the Party :

Report No. : VTL/FD/2503280013/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

Period of Analysis : 28/03/2025-02/04/2025

Receipt Date : 28/03/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Stack & Reclaimer

Sample Collected By : VTL Team

Sampling Equipment used : HVS

Instrument Code : VTL/HVS/02

Coordinates : --

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 27/03/2025

Time of Monitoring : 10:00 to 18:00 Hrs.

Ambient Temperature (°C) : Min.24° Max 36°

Surrounding Activity : Human, Vehicular & Plant Act.

Method of Sampling : Lab STP: VTL/STP/02

Sampling Duration : 8 Hrs.

Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP/01	432.0	µg/m3

End of Report



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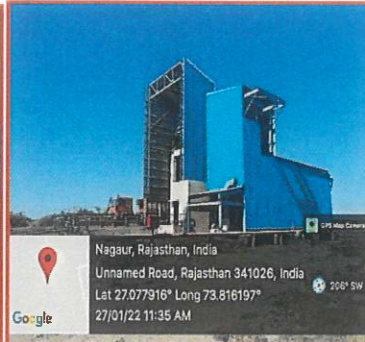
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Photographs of fugitive emission control measures

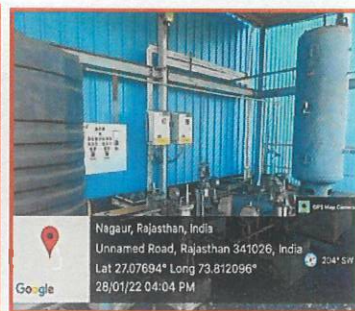
Coal Truck Tripler



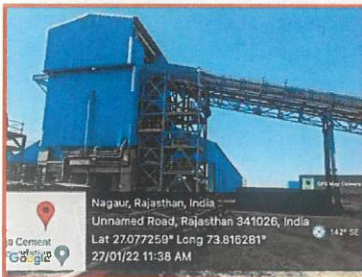
Additive unloading point

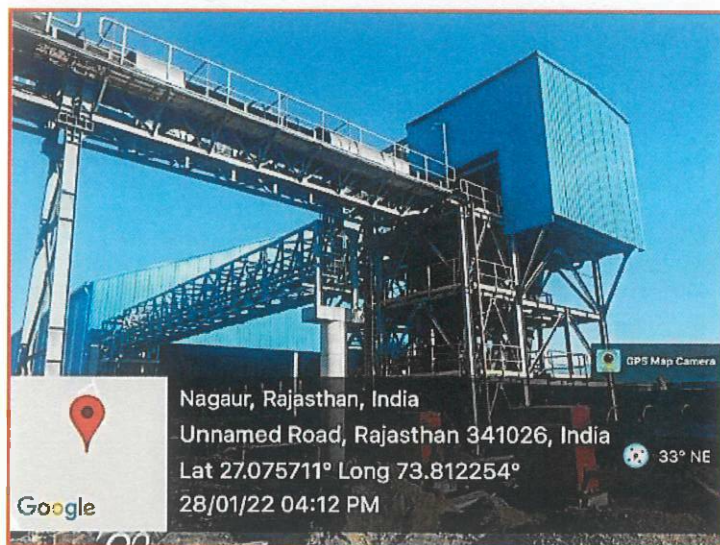


Efficient Water spray system provided to suppress the dust at unloading point like additive, coal etc.

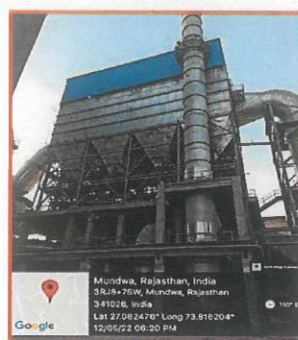
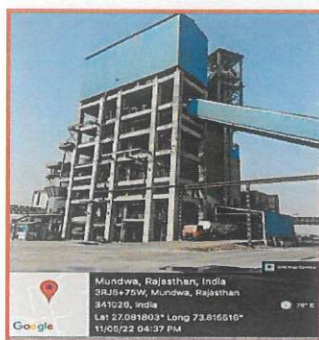


All material discharge chutes are fully covered by metal sheet.

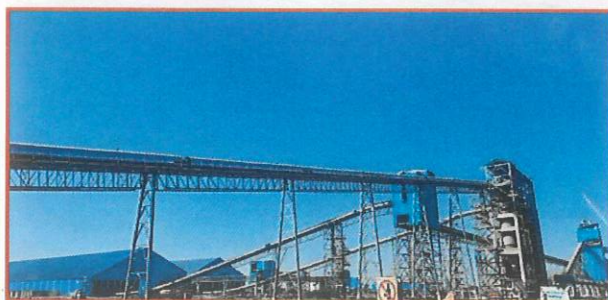




Bag filters/Bag house are installed on the discharge/transfer points.



Conveyor belts are covered for handling of fine materials.



All raw materials, additives, intermediate & product are being stored in covered storage areas.

Lime stone storage yard :



Coal storage yard:



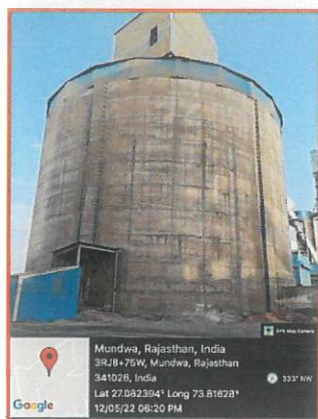
Gypsum storage yard:



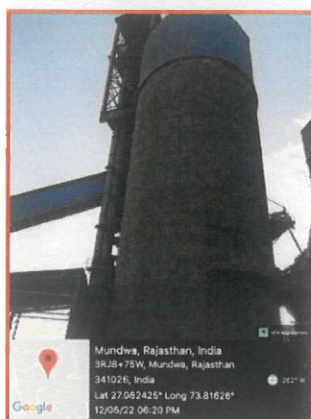
Additive storage yard :



Clinker storage in Silo:

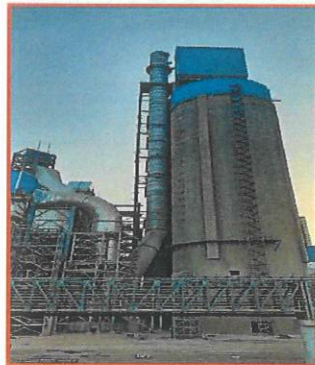
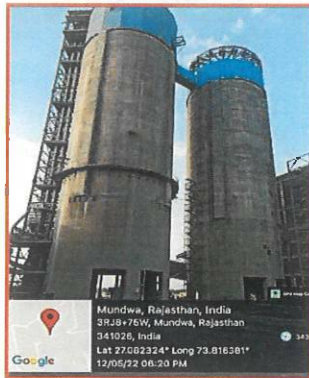


Fly ash Silo:

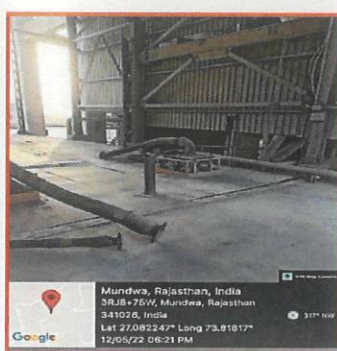
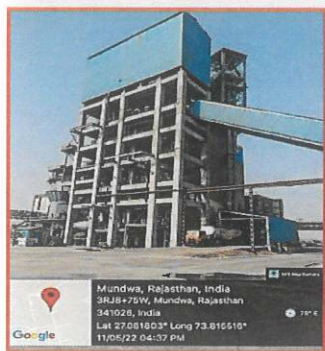


Cement Silo :

CF Silo for raw meal :



➤ Road cleaning regularly by sweeping machine.



Annexure-05

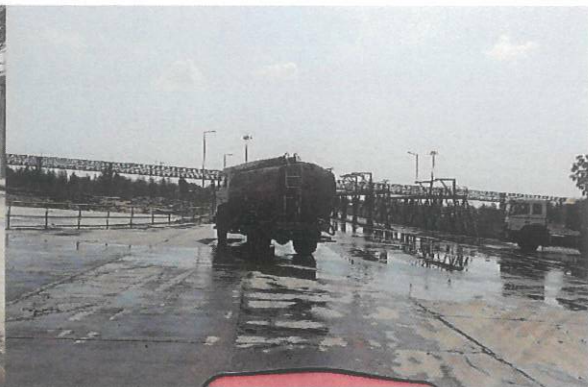
Photographs of Fogg Cannon machine, paved roads and water tanker.



Fogg Cannon machine



Paved Internal Roads



Water spraying through Tanker



Road Sweeping Machine

Photographs of Covered trucks and Closed Bulkheads given as below



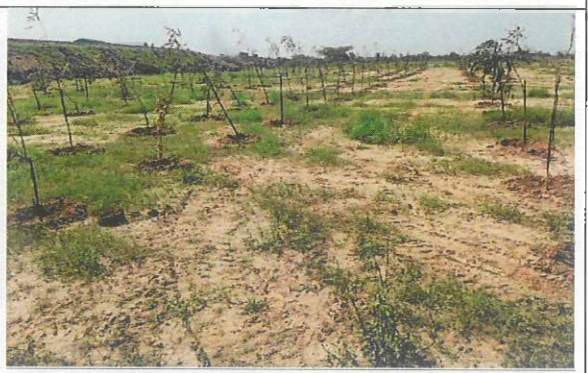
Annexure-07

The Corporate Social Responsibility activates expenditure amount of period Apr-2024 to Mar-2025 is 374.15 Lacs.

Details are mentioned in below table:

S. No.	Particular	Apr 2024- Sep 2024	Oct 2024 - Mar 2025	Apr 2024 - Mar 2025
		Amount (In lacs.)	Amount (In lacs.)	Amount (In lacs.)
1	Community infrastructure development	61.71	78.29	140
2	Education Promotion & Development Initiatives	0	3	3
3	Health/Medical check-up & Family welfare programe/Medical camps	2	3.7	5.7
4	Water resources Management	39.43	59.24	98.67
5	Woman empowerment	6.04	11.32	17.36
6	Agro-Based Livelihood	22.63	28.71	51.34
7	Skill and Entrepreneurship development program	35.54	22.54	58.08
Total		167.35	206.8	374.15

Photographs of plantation and gap plantation





In addition of plantation activities in plant area, Ambuja Cements Limited, Marwar Mundwa has initiated mass plantation drive with Rajasthan State Pollution Control Board with planting 25000 native species and industry area and surrounding area

राजस्थान प्रदूषण नियन्त्रण मण्डल व अम्बुजा सीमेंट कंपनी के संयुक्त तत्वावधान में किया पौधरोपण



नागौर। आज तक 24

क्षेत्रीय कार्यालय राजस्थान राज्य प्रदूषण नियन्त्रण मण्डल, नागौर व मुण्डवा स्थित अम्बुजा सीमेंट्स लिमिटेड ने कार्य में संयुक्त रूप से पौधरोपण कर सघन वृक्षारोपण महाअभियान को शुरुआत की है। अभियान के तहत मुण्डवा व आसपास के क्षेत्र प्रायों में करीब 30,000 पौधे लगाकर पर्यावरण को संरक्षित करने हेतु योगदान दिया जाएगा। वृक्षारोपण

कार्यक्रम में क्षेत्रीय अधिकारी सचिन कुमार व अम्बुजा सीमेंट यूनिट हेड चेतन रावत ने मार्गदर्शन किया। इस दौरान माईनिंग क्षेत्र में स्थानीय प्रवासियों के लगभग 500 पौधे लगाए गए। क्षेत्रीय अधिकारी सचिन कुमार ने अम्बुजा सीमेंट्स द्वारा किए जा रहे वृक्षारोपण के कार्य को सराहना की एवं अधिक से अधिक वृक्षारोपण कर उनकी देखभाल करने के लिए

अम्बुजा सीमेंट्स के कर्मचारियों को प्रेरित किया, साथ ही जानकारी दी कि पौधरोपण के साथ-साथ पौधों का रखरखाव करना भी जरूरी है, इसलिए प्रतिदिन कुछ समय पौधों के रखरखाव में आवस्य है। इसी दौरान यूनिट हेड चेतन रावत ने कहा कि गमों से निजात दिलाने के लिए भाव पेंड पौधे ही सहाय हैं। इसके अतिरिक्त इस अभियान के तहत ही ग्राम खेरवाड़ के महादेव मंदिर उद्यान में स्थानीय एवं फलों के 400 से अधिक पौधों का रोपण किया गया। इस अवसर पर क्षेत्रीय अधिकारी ने पौधों की देखभाल व गमों को उपलब्धता के लिए अम्बुजा सीमेंट्स फाउंडेशन द्वारा किये गये उपायों की सराहना की। ग्राम खेरवाड़ के केसरिया कंवरजी मंदिर प्रायों में किए गये पौधरोपण व उद्यान विकास के कार्य का निरीक्षण किया। इस मौके पर खेरवाड़ ग्रामवासी मौजूद रहे।

वृक्षारोपण महाअभियान के तहत राजस्थान प्रदूषण नियन्त्रण मण्डल व अम्बुजा सीमेंट कंपनी के संयुक्त तत्वावधान में किया पौधरोपण

होलासमर न्यून

नागौर। क्षेत्रीय कार्यालय राजस्थान राज्य प्रदूषण नियन्त्रण मण्डल, नागौर व मुण्डवा स्थित अम्बुजा सीमेंट्स लिमिटेड ने कार्य में संयुक्त रूप से पौधरोपण कर सघन वृक्षारोपण महाअभियान की शुरुआत की है। अभियान के तहत मुण्डवा व आसपास के क्षेत्र प्रायों में करीब 30,000 पौधे लगाकर पर्यावरण को संरक्षित करने हेतु योगदान दिया जाएगा। वृक्षारोपण कार्यक्रम में क्षेत्रीय अधिकारी सचिन कुमार व अम्बुजा सीमेंट यूनिट हेड चेतन रावत ने मार्गदर्शन किया। इस दौरान माईनिंग क्षेत्र में वृक्षारोपण कर इस अभियान की शुरुआत की। इस दौरान माईनिंग क्षेत्र में स्थानीय प्रवासियों के लगभग 500 पौधे लगाए गए। क्षेत्रीय अधिकारी सचिन कुमार ने अम्बुजा सीमेंट्स द्वारा किए जा रहे वृक्षारोपण के कार्य को सराहना की एवं अधिक से अधिक वृक्षारोपण कर उनकी देखभाल करने के लिए



अधिक से अधिक वृक्षारोपण कर उनकी देखभाल करने के लिए अम्बुजा सीमेंट्स के कर्मचारियों को प्रेरित किया, साथ ही जानकारी दी कि पौधरोपण के साथ-साथ पौधों का रखरखाव करना भी जरूरी है, इसलिए प्रतिदिन कुछ समय पौधों के रखरखाव में आवस्य है। इसी दौरान यूनिट हेड चेतन रावत ने कहा कि गमों से निजात दिलाने के लिए भाव पेंड पौधे ही सहाय हैं। इसके अतिरिक्त इस अभियान के

तहत ही ग्राम खेरवाड़ के महादेव मंदिर उद्यान में स्थानीय एवं फलों के 400 से अधिक पौधों का रोपण किया गया। इस अवसर पर क्षेत्रीय अधिकारी ने पौधों की देखभाल व गमों की उपलब्धता के लिए अम्बुजा सीमेंट्स फाउंडेशन द्वारा किये गये उपायों की सराहना की। ग्राम खेरवाड़ के केसरिया कंवरजी मंदिर प्रायों में किए गये पौधरोपण व उद्यान विकास के कार्य का निरीक्षण किया। इस मौके पर खेरवाड़ ग्रामवासी मौजूद रहे।





TEST REPORT



Sample Number: VTL/ N/01-20
 Name & Address of Party: M/s Ambuja Cements Ltd.
 Tehsil- Marwar Mundwa Distt- Nagaur
 Pin-341026 Rajasthan India
 Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2503120001-20
 Format No.: 7.8 F-04
 Party Reference No.: NIL
 Report Date: 18/03/2025
 Receipt Date: 12/03/2025

General Information:-

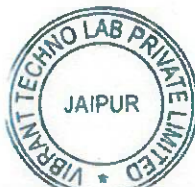
Sample collected by : VTL Team
 Instrument Used : Sound Level Meter
 Instrument Calibration Status : Calibrated
 Instrument Code : VTL/SLM/01-20
 Meteorological condition during monitoring : Clear Sky
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
 Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result Db (A)	
				Day Time	Night Time
1.	Staff Colony (N-1)	25-26/03/2025	Leq	51.9	42.6
2.	Time Office (N-2)	25-26/03/2025	Leq	60.3	52.4
3.	CCR Building (N-3)	25-26/03/2025	Leq	62.1	56.4
4.	Packing Plant (N-4)	25-26/03/2025	Leq	69.5	59.3
5.	CCR Room (N-5)	25-26/03/2025	Leq	67.7	59.9
6.	Time Office(N-6)	25-26/03/2025	Leq	64.3	58.1
7.	Coal Tippler E Boundry (N-7)	25-26/03/2025	Leq	71.2	63.7
8.	Packing Plant N Boundry (N-8)	25-26/03/2025	Leq	64.6	56.8
9.	ACF Gate S Boundry (N-9)	25-26/03/2025	Leq	63.4	52.6
10.	Workshop (N-10)	25-26/03/2025	Leq	64.9	55.1
11.	Compressor Room (N-11)	25-26/03/2025	Leq	72.3	64.1
12.	STP Labour Colony (N-12)	25-26/03/2025	Leq	53.9	41.2
13.	Raw Mill Area (N-13)	25-26/03/2025	Leq	73.0	62.4
14.	Kiln Area (N-14)	25-26/03/2025	Leq	73.8	61.4
15.	Packing Plant (N-15)	25-26/03/2025	Leq	70.9	60.1
16.	Cement Mill Area (N-16)	25-26/03/2025	Leq	70.1	63.4
17.	Coal Mill Area (N-17)	25-26/03/2025	Leq	69.6	65.1
18.	Railway Siding Area (N-18)	25-26/03/2025	Leq	71.3	61.6
19.	Truck Yard (N-19)	25-26/03/2025	Leq	63.7	54.5
20.	Near Dozer (N-20)	25-26/03/2025	Leq	71.9	66.2

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
 2. Night Time is reckoned between 10.00 PM to 6.00 AM.
 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
 Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

Checked By



RK Yadav

Lab Incharge
 Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ N/21-40
Name & Address of Party: M/s Ambuja Cements Ltd.
Tehsil- Marwar Mundwa Distt- Nagaur
Pin-341026 Rajasthan India
Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2503120021-40
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 18/03/2025
Receipt Date: 12/03/2025

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-20
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result Db (A)	
				Day Time	Night Time
1.	Near Loader (N-21)	26-27/03/2025	Leq	72.8	61.9
2.	Near Excavator (N-22)	26-27/03/2025	Leq	74.1	64.2
3.	Near Motor Grader (N-23)	26-27/03/2025	Leq	72.0	63.8
4.	Near Drill Machine (N-24)	26-27/03/2025	Leq	73.2	63.3
5.	Near Dumper (N-25)	26-27/03/2025	Leq	72.6	62.8
6.	Near Braker (N-26)	26-27/03/2025	Leq	69.3	60.1
7.	Road Roller (N-27)	26-27/03/2025	Leq	70.5	59.5
8.	ML-1 E Boundry (N-28)	26-27/03/2025	Leq	57.4	51.2
9.	ML-1 W Boundry (N-29)	26-27/03/2025	Leq	56.5	52.7
10.	ML-1 N Boundry (N-30)	26-27/03/2025	Leq	61.7	55.6
11.	ML-1 S Boundry (N-31)	26-27/03/2025	Leq	60.1	51.8
12.	ML-2 E Boundry (N-32)	26-27/03/2025	Leq	62.9	54.1
13.	ML-2 W Boundry (N-33)	26-27/03/2025	Leq	59.4	48.3
14.	ML-2 N Boundry (N-34)	26-27/03/2025	Leq	60.1	51.8
15.	ML-2 S Boundry (N-35)	26-27/03/2025	Leq	57.9	53.0
16.	Near Working Pit (N-36)	26-27/03/2025	Leq	65.7	54.9
17.	Near Haul Road (N-37)	26-27/03/2025	Leq	63.8	56.3
18.	Near Crusher (N-38)	26-27/03/2025	Leq	73.1	63.4
19.	Near Blasting Site (N-39)	26-27/03/2025	Leq	69.3	60.2
20.	East Boundry (N-40)	26-27/03/2025	Leq	61.6	51.9

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

Surabhi
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Sample Number: VTL/ N/41-60
Name & Address of Party: M/s Ambuja Cements Ltd.
Tehsil- Marwar Mundwa Distt- Nagaur
Pin-341026 Rajasthan India
Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2503120041-60
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 18/03/2025
Receipt Date: 12/03/2025

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-20
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result Db (A)	
				Day Time	Night Time
1.	West Boundry (N-41)	27-28/03/2025	Leq	60.3	52.0
2.	North Boundry (N-42)	27-28/03/2025	Leq	61.9	54.1
3.	South Boundry (N-43)	27-28/03/2025	Leq	60.9	52.2
4.	DG Stack Matasukh (N-44)	27-28/03/2025	Leq	66.3	56.8
5.	Boiler Stack Matasukh (N-45)	27-28/03/2025	Leq	63.1	55.2
6.	MEE (N-46)	27-28/03/2025	Leq	61.4	52.9
7.	WTP (N-47)	27-28/03/2025	Leq	57.1	48.3
8.	Barge Pump- Kashnaau Pit (N-48)	27-28/03/2025	Leq	55.8	46.7
9.	Site Office (N-49)	27-28/03/2025	Leq	58.4	47.3
10.	AAQM Location-1	27-28/03/2025	Leq	62.2	57.1
11.	AAQM Location-2	27-28/03/2025	Leq	64.7	60.3
12.	AAQM Location-3	27-28/03/2025	Leq	64.2	59.1
13.	AAQM Location-4	27-28/03/2025	Leq	62.0	54.7
14.	Staff Collony/CAAQMS Location-1	27-28/03/2025	Leq	62.3	44.8
15.	CCR Room/CAAMS-2	27-28/03/2025	Leq	64.1	57.4
16.	Time Officer/East Boundry	27-28/03/2025	Leq	61.3	45.8
17.	Coal Tippler West Boundry	27-28/03/2025	Leq	64.2	58.1
18.	Packing Plant/CAAQMS-3/N-Boundry	27-28/03/2025	Leq	64.6	57.3
19.	ACF Gate/S- Boundry	27-28/03/2025	Leq	63.9	59.1
20.	Workshop	27-28/03/2025	Leq	66.3	60.1

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

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Photograph of OHC Center given as below-

