

Ref: ACL/MM/ENV/23

Date: 22th May 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 Marwar Mundwa Lime stone Mine ML-II (ML area 635 ha. Capacity 2.0 MTPA, **M.L.No 03/1994**) located at near village(s) –Kherwar, Rupasar & DeediyaKalan Tehsil & Dist. Nagaur M/s Ambuja Cement Ltd. Unit: Marwar Mundwa ,Nagaur (RAJ) for the period of **October 2024 to March 2025**.

Ref.: MOEF& CC, New Delhi letter No.: - J-11015/422/2005-IA.II (M) Dated 30.06.2023

Dear Sir,

This has reference to above subject matter & environmental Clearance Letter. We are herewith submitting the point wise six monthly compliance report 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@gov.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)

Chetan Madhuranbhai 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 (India).
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	Expansion in Limestone Production Capacity from 0.5 Million TPA to 2.0 Million TPA, Top Soil 0.16 Million TPA, Waste (OB/IB) 0.58 Million TPA (Total Excavation 2.74 Million TPA) at Marwar Mundwa Limestone Mine (ML -II) (ML-03/1994) (ML Area – 635 ha) at Villages- Kherwad, Rupasar and Didyakalan ,Tehsil: Jayal and Nagaur, District- Nagaur, State: Rajasthan by M/s. Ambuja Cements Limited (Unit –Marwar Mundwa)																		
Name of Entity / Corporate Office	Ambuja Cement Limited																		
Village(s)	DIDIYA KALAN																		
District	NAGAU																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Proposal No.</td> <td>IA/RJ/MIN/411671/2022</td> </tr> <tr> <td>Plot / Survey / Khasra No.</td> <td>Khasra Plan is enclosed with EIA Report</td> </tr> <tr> <td>State</td> <td>RAJASTHAN</td> </tr> <tr> <td>MoEF File No.</td> <td>J-11015/422/2005-IA.II(M)</td> </tr> </table>	Proposal No.	IA/RJ/MIN/411671/2022	Plot / Survey / Khasra No.	Khasra Plan is enclosed with EIA Report	State	RAJASTHAN	MoEF File No.	J-11015/422/2005-IA.II(M)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Category</td> <td>Non-Coal Mining</td> </tr> <tr> <td>Sub-District</td> <td>Jayal</td> </tr> <tr> <td>Entity's PAN</td> <td>*****0569P</td> </tr> <tr> <td>Entity name as per PAN</td> <td>Ambuja Cements Limited</td> </tr> </table>			Category	Non-Coal Mining	Sub-District	Jayal	Entity's PAN	*****0569P	Entity name as per PAN	Ambuja Cements Limited
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Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Six monthly compliance report of Environmental Clearance (Oct 2024– March 2025) for Marwar Mundwa Lime stone Mine ML-II (ML area 635 ha. Capacity 2.0 MTPA, M.L.No 03/1994) located at near village(s) Kherwar, Rupasar and DeediyaKalan Tehsil and Dist. Nagaur M/s Ambuja Cement Ltd. Unit: Marwar Mundwa ,Nagaur (RAJ) for the period of October 2024 to March 2025. MOEFCC, New Delhi letter No. J-11015/422/2005-IA.II (M) Dated 30.06.2023.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Ambuja Cement Limited
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	Project Area as per EC Granted	Actual Project Area in Possession
Private	316.42	316.42
Revenue Land	318.58	318.58
Forest	0	0
Others	0	0
Total	635	635

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Limestone	Million Tons per Annum (MTPA)	N/A	2.0	1.690828	2.0

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	This environment clearance EC will be valid up to 26 years as the life of mine is 26 year i.e. up to 26.04.2047.
PPs Submission: Agreed to Comply Noted please.		Date: 20/05/2025
2	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor the water quality in the impact zone as such as water reservoir, Nallah, canal with specific reference to the parameter Langelier Saturation Index to denote the impact of calcium carbonate on water bodies. The project proponent shall ensure that at any case the quality of the water bodies shall not be contaminated due to mining activity.
PPs Submission: Being Complied No any waste water is being discharged out from mine lease boundary. The storm water are been collected to garland drain has been constructed all along the waste dump and the waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road. Any contamination or changes reference to the parameter Langelier Saturation Index will be report. Water quality report of surrounding ponds is enclosed as Annexure-1.		Date: 21/05/2025
3	Statutory compliance	The project proponent shall not carry out the secondary blasting.
PPs Submission: Being Complied Only day time blasting is In practice. Hydraulic rock breakers are being used for breaking the boulders. and only day time material shifting is under practice.		Date: 20/05/2025
4	WATER QUALITY MONITORING AND PRESERVATION	The natural water bodies and streams which are flowing in the and around the village should not be disturbed. The water table should be nurtured so as not to go down below the pre mining period. In case off any water scarcity in the area the project proponent has to provide water to the villages for their use. A provision for regular monitoring of water table in open dug well located in villages should be

		incorporated to ascertain the impact of mining over groundwater table.
PPs Submission: Complied No any water body of Nalla is being disturbed. Company is doing various projects for rain water conservation in buffer zone to increase ground water table.		Date: 20/05/2025
5	AIR QUALITY MONITORING AND PRESERVATION	The real time data generated from continuous ambient air quality monitoring station (CAAQMS) should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB. the project proponent needs to monitor the air quality, noise quality, water quality, water level and ground vibration during drilling and blasting at the age of the mine, near the village, Crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry Integrated Regional Office.
PPs Submission: Being Complied Noted Please. Air quality, noise level, water level and ground water reports analysis is being done on quarterly basis. Analysis reports are given as Annexure-2		Date: 21/05/2025
6	Statutory compliance	The project proponent needs to submit the permission of DGMS to the ministries IRO before starting of mines operation from the expansion of EC.
PPs Submission: Agreed to Comply Noted Please.		Date: 20/05/2025
7	Statutory compliance	The project proponent needs to submit the proof of submission of fund of Wildlife Conservation Plan to be approved and its initiation/commencement by Forest Department to IRO/Ministry. The project proponent should follow up the status of implementation of Wildlife Conservation Plan from the Forest Officer and same shall be submitted to the Ministrys Integrated Office in the six monthly compliance report.
PPs Submission: Complied Noted please. Presently wildlife Conservation Plan is under approval at Forest Department. In this regards, communication was made to Deputy Conservator of Forest, Nagaur (Rajasthan).		Date: 21/05/2025
8	Statutory compliance	The project proponent shall need to install the cameras at all around the main lease area to identify and two ensure the moment of animals.
PPs Submission: Complied Noted please.		Date: 21/05/2025
9	AIR QUALITY MONITORING AND PRESERVATION	The project proponent needs to install the permanent water is sprinkling instead of using water tanker along the whole road and the approach road for the 10 number of fog canon mist display of at least 40 m throw shall be installed at various location in the mine area.
PPs Submission: Being Complied Noted please, Efficient water sprinkling system installed at crushing site to control the fugitive emission. Photographs of Water Sprinkles attached as Annexure-03		Date: 21/05/2025
10	GREENBELT	The project proponent cell ensure the survival rate of 95 percentage of planting the peripheral safety barrier plantation and get plantation the project proponent should plan quality sapling of appropriate height of native and fruit bearing species in case of tall transplant

		seedling the seedling should have proper trend route talk with root biomass convention rate with seedling height of ensure good growth after out planting the project proponent cell implement the practice of trip irrigation from plantation. Plantations shall be undertaken in consultation with the state forest department the entire peripheral plantation safety barrier plantation and Gate plantation need to be completed within 3 years from the start of mining operations.
PPs Submission: Being Complied Presently, 8 Ha area is developed for plantation with 16000 sapling of native species. 12 ha will achieved within FY 2025-26. Photographs of Plantation attached as Annexure-04		Date: 21/05/2025
11	AIR QUALITY MONITORING AND PRESERVATION	The Project Proponent shall explore the possibility of using at least 20 percentage of electric vehicle/LNG/CNG instead of diesel operation vehicle within three years from the start of mining operations.
PPs Submission: Being Complied Noted please.		Date: 21/05/2025
12	GREENBELT	The project proponent shall make the actual count on the sapling planted and its survival rate and in case of failure of achievement of 95 percentage survival rate action plan for achieving the target survival rate shall be submitted to the ministry integrated regional office.
PPs Submission: Being Complied Gap plantation is being done for enhancement of density achieve 2500 plants / Hactare Increasing of survival rates is also under practice and consultation with expert agencies.		Date: 21/05/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villager by installing solar pump as well as PP shall explore the possibilities for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.
PPs Submission: Being Complied Noted please. Industry is conducting internship and apprenticeship on annual basis. Under CSR, industry is operation an institute i.e. SEDI for occupational and entrepreneur skills development in buffer zone and surrounding area. we have installed solar plant of capacity 1500 W capacity. In order to generate electricity and distribute power to the villages, PP was advised to explore the possibility of putting floating solar panels.		Date: 21/05/2025
14	Corporate Environmental Responsibility	The Project Proponent should adopt the properties as proposed under EMP with budgetary provision of Rs 5.76 crore. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry Integrated Regional Office.
PPs Submission: Being Complied Noted please. Various development work are being done as per EMP and under CSR activities.		Date: 21/05/2025
15	MISCELLANEOUS	The project proponent shall conduct third party audit of compliance of EC condition at the interval one year of its report shall be submit to IRO MoEFCC.

PPs Submission: Being Complied Noted please.		Date: 21/05/2025
16	MISCELLANEOUS	The project proponent should establish in house (at project site) environment laboratory for measurement of environmental parameter with respect to air quality and water quality (surface and ground). A dedicated team to observe environment management shall be set up at the site which should comprise of environment engineers, laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environmental monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authorities.
PPs Submission: Being Complied Laboratory for the analysis of air quality is established in the cement plant and which common facility for both : Cement plant and mining operations.		Date: 21/05/2025
17	PUBLIC HEARING	The budget of 10.45 Crores of addresses the concerns raised by the public in the public hearing to be completed within 3 years from the date of start mining operation. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcome. The project component shall ensure that the activities support under the public hearing is different from the CSR activities.
PPs Submission: Being Complied Noted please. Budget is being utilised for various CSR activities. CSR Activities details for FY 2024-25 attached as Annexure-05		Date: 21/05/2025
18	MISCELLANEOUS	The project proponent shall also organise employment based apprenticeship/ internship/ training program every year with appropriate stipend for the youth and other program to enhance the skills of the local peoples. The data should be maintained for the training and imparted to the persons at the outcome of the training, for the assessment of the training program should be analysed periodically and improved accordingly. The project proponent shall give preference to the local people for employment.
PPs Submission: Being Complied Noted please. An institution named SEDI (Skill and entrepreneurship Development Institute) is operating for training and skill development of various CSR programmes. SEDI is operating in and surrounding villages of mine lease.		Date: 21/05/2025
19	Human Health Environment	The project proponent needs to provide the RO drinking water supply to the local people.
PPs Submission: Being Complied Noted please, we have provide the drinking water facility.		Date: 21/05/2025
20	MISCELLANEOUS	The project proponent shall conduct the awareness program to local people on modern agriculture practices organic farming and other related activities in consultation with expert from department of agriculture Krishi Vigyan Kendra (KAK) etc.
PPs Submission: Complied Noted please. Various awareness programmes i.e. health, education, agriculture, animal husbandry etc are being conducted for local and surrounding villagers.		Date: 21/05/2025
21	MISCELLANEOUS	The project proponent needs to obtain the star rating as per the

		guideline of ministry of mines within 3 years of commitment of mining operations.
PPs Submission: Complied Noted please. SDF Star rating will be done within 3 years.		Date: 21/05/2025
22	Human Health Environment	The project proponent should be periodically monitor and maintain the health record of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organise medical camp for the benefit of the local people and also the monitor the health impacts due to mining activities.
PPs Submission: Complied Noted please. An Occupational health Care facility is established in plant premises for cement plant and mine. All the workers, employees are monitored with annual health checkup and records are being maintained in OHC. Photographs of OHC centre attached as Annexure-06		Date: 21/05/2025
23	MINING PLAN	The mining lease holder shall after ceasing mining operations, Undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora fauna etc,. The implementation report of the above said condition shall be submitted to the Ministrys Integrated Regional Office.
PPs Submission: Being Complied Noted please. Mining operation are being done as per approved mining plan.		Date: 21/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable
PPs Submission: Complied There is no any forest land / protected area situated with 10 KM radius from the mining lease.		Date: 21/05/2025
2	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and residential areas.
PPs Submission: Complied The LED has been in all our installed in our offices and residential areas.		Date: 21/05/2025
3	Statutory compliance	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
PPs Submission: Agreed to Comply Noted.		Date: 21/05/2025
4	Statutory compliance	The Project proponent complies with all the statutory requirements and judgment of Honble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause

		versus Union of India and Ors before commencing the mining operations.
PPs Submission: Agreed to Comply Noted and will be complied.		Date: 21/05/2025
5	Statutory compliance	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, If any, for illegal mining paid by the Project Proponent through their respective Department of Mining and Geology in strict compliance of Judgment of Honble Supreme Court dated 2nd August. 2017 in Writ Petition (Civil) No. 114 of 2014-in matter of Common Cause versus Union of India and Ors.
PPs Submission: Complied Mine is complying with judgement of Honble Supreme Court.		Date: 21/05/2025
6	Statutory compliance	The Project Proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z 11013/57/2014-IA.II (M). dated 29th October, 2014, titled Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area.
PPs Submission: Agreed to Comply No habitat is present in mine lease area. Issues of buffer zone will be solved under CSR activities.		Date: 21/05/2025
7	Statutory compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
PPs Submission: Complied Copy of EC was sent to local punchayats , Rupasar , Inana and Didiyakalan.		Date: 21/05/2025
8	Statutory compliance	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office. District Industries Centre and Collector office/Tehsildar Office for 30 days.
PPs Submission: Complied Complied.		Date: 21/05/2025
9	Statutory compliance	The Project Proponent shall inform the MoEFCC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
10	Statutory compliance	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of

		Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
PPs Submission: Complied Information of grant of EC was published in 02 local newspapers.		Date: 21/05/2025
11	AIR QUALITY MONITORING AND PRESERVATION	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120 degree is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/L, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
PPs Submission: Complied CAAQMS systems are installed and data is being displayed on main gate of mine. Photographs of CAAQMS and its display attached as Annexure-07		Date: 21/05/2025
12	AIR QUALITY MONITORING AND PRESERVATION	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
PPs Submission: Complied Complied, Arrangement of water sprinkling on main haulage road, loading unloading points have been provided and also having wet drilling system in the drill machines. Water is spraying on the haul roads to minimize the dust emission. Water spraying arrangement on haul roads, loading and unloading and at transfer points are provided and properly maintained. OLBC installed closed by metal sheet and high efficient bag filter installed at material transfer point: Bag filter installed at material transfer point . Photographs of Safeguards measures attached as Annexure-08		Date: 21/05/2025
13	WATER QUALITY MONITORING AND PRESERVATION	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
PPs Submission: Being Complied No ground water is being abstracted for mining operation. Therefore, No ground water table will be intersected from mining activities.		Date: 21/05/2025

14	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
PPs Submission: Being Complied Ground water level and quality is being monitored. No any ground water withdrawal structure i.e. bore well, tube well is situated in mining lease area. Total water requirement of mining operation is being meet from brekish water of RSMML Matasukh lignite Mine. Analysis reports are attached as Annexure- 09		Date: 21/05/2025
15	LAND RECLAMATION	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
PPs Submission: Being Complied Slopes are designed scientifically and vegetation is to be planted for stability enhancement.		Date: 21/05/2025
16	WATER QUALITY MONITORING AND PRESERVATION	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director. Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
PPs Submission: Being Complied Regular monitoring is being done for nearby water sources. Analysis reports of nearby villages pons/wells are enclosed as Annexure-1.		Date: 21/05/2025
17	WATER QUALITY MONITORING AND PRESERVATION	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J20012/1/2006-

		IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
PPs Submission: Being Complied No waste water is being generated from the mining activities. Waste water generated from the mine workshop is being treated in ETP (5 KLD) and treated water is being used for dumper washing again. Reports attached as Annexure-10		Date: 21/05/2025
18	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
PPs Submission: Being Complied Water harvesting ponds, anicuts, nadi and other rain water harvesting measures was constructed in buffer area. Rain water harvesting structures will be constructed within mine lease for rain water conservation and recharge. Photographs of Rainwater structures attached as Annexure-11		Date: 21/05/2025
19	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
PPs Submission: Being Complied Waste water generated from the mine workshop is being collected and treated in ETP (5 KLD on regular basis. Treated water is being reused for HEMM washing. Photograph of ETP of workshop attached as Annexure-12		Date: 21/05/2025
20	WATER QUALITY MONITORING AND PRESERVATION	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEFCC and State Pollution Control Board/Committee.
PPs Submission: Complied Water harvesting/ conservation measures such as ponds, nadi, and anicuts were built in the buffer region.		Date: 21/05/2025
21	Noise Monitoring & Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
PPs Submission: Complied No any habitat is situated within 500 m radius from the active mine benches.		Date: 21/05/2025
22	Noise Monitoring & Prevention	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
PPs Submission: Complied High mast towers are installed with the design that no high illumination wilt be disturb to any human		Date: 21/05/2025

and animal population. Noise Monitoring Reports attached as Annexure-13		
23	Noise Monitoring & Prevention	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.
PPs Submission: Being Complied Monitoring of noise level is being carried out periodically. All the workers working in high noise areas are equipped with PPEs i.e. ear buds, ear plugs. Noise Monitoring Reports attached as Annexure-13		Date: 21/05/2025
24	MINING PLAN	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden and dump management, O.B. and dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
PPs Submission: Agreed to Comply Excavation, mining is being done as per approved mining plan. Mine closure plan will be implemented when mining will stopped.		Date: 21/05/2025
25	MINING PLAN	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
PPs Submission: Agreed to Comply Land use and mining is being done as per approved mining plan.		Date: 21/05/2025
26	LAND RECLAMATION	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
PPs Submission: Complied No any OB generated during the FY 2024-25. top soil and solid waste are being stacked separately at designated area and used for the plantation/greenbelt development during reclamation and solid waste for back filling of mined out area.		Date: 21/05/2025
27	LAND RECLAMATION	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of

		sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
PPs Submission: Complied Catch dam with siltation pond is to be constructed near mine pit.		Date: 21/05/2025
28	LAND RECLAMATION	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50 percentage shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
PPs Submission: Complied Garland drain and check dams has been constructed around mine pit and OB dump area.		Date: 21/05/2025
29	MISCELLANEOUS	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. (If applicable in case of road transport).
PPs Submission: Complied Closed covered OLBC (over land belt conveyor is installed for transportation of limestone from mine crusher to cement plant. Village road, National highway and passing road are underpasses with OLBC. Photographs of Covered conveyor belt attached as Annexure-14		Date: 21/05/2025
30	GREENBELT	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
PPs Submission: Being Complied Total 8 ha area has been used for plantation and total 1600 nos. of plant has planted with 85 percentage survival rate. Local species are being planted after consultation with local forest officer and as per CPCB/SPCB guidelines. i.e. Neem, Conocarpus, Pipal, Gulmohar and Shisham.		Date: 21/05/2025

Photographs of plantation attached as Annexure-04		
31	MISCELLANEOUS	<p>The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.</p>
PPs Submission: Complied Complied, Arrangement of water sprinkling on main haulage road, loading unloading points have been provided and also having wet drilling system in the drill machines. Wet drilling and Dust Collector System (DCT) are being used for during the drilling operation. Water is spraying on the haul roads to minimize the dust emission. Water spraying arrangement on haul roads, loading and unloading and at transfer points are provided and properly maintained. OLBC installed closed by metal sheet and high efficient bag filter installed at material transfer point, Bag filter installed at material transfer point Photographs of Dust control Measures attached as Annexure-08		Date: 21/05/2025
32	GREENBELT	<p>The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>
PPs Submission: Being Complied Plantation is being done as according to plantation plan. Total 16000 nos. of plant sapling was planted within 8 Ha. Area with native species.		Date: 21/05/2025
33	GREENBELT	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Honble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.</p>
PPs Submission: Complied There was not any grazing land or grazing area on lease boundary before mining started. Hence, developing new grazing land in not applicable.		Date: 21/05/2025
34	Human Health Environment	<p>Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed</p>

		after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
PPs Submission: Complied A labor camp is established within the colony area with adequate infrastructure. Necessary infrastructure and basic facilities were developed.		Date: 21/05/2025
35	Corporate Environmental Responsibility	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEFCC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.
PPs Submission: Being Complied Adequate funds have been earmarked for the environment protection measures. The Corporate Social Responsibility activates expenditure amount of plant and mines for period Apr-2024 to Mar-2025 is 374.15 Lacs. Details are mentioned in Annexure-05		Date: 21/05/2025
36	MISCELLANEOUS	The Project Proponent shall prepare digital map (land use and land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC.
PPs Submission: Complied Digitally processed LuLc report was submitted with final EIA report in August 2022.		Date: 21/05/2025
37	MISCELLANEOUS	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
38	MISCELLANEOUS	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC and its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
PPs Submission: Being Complied Half yearly compliance report of conditions stipulated in environment clearance is being sent to MoEFCC, CPCB and SPCB on regular basis.		Date: 21/05/2025
39	MISCELLANEOUS	A separate Environmental Management Cell with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.
PPs Submission: Complied A separate Environmental Management Cell with suitable qualified manpowers is established under Chief Plant Manager.		Date: 21/05/2025
40	MISCELLANEOUS	The concerned Regional Office of the MoEFCC shall randomly

		monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.
PPs Submission: Complied Noted please.		Date: 21/05/2025
41	MISCELLANEOUS	In pursuant to Ministry s O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
PPs Submission: Agreed to Comply Industry will comply with said directions.		Date: 21/05/2025
42	MISCELLANEOUS	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
PPs Submission: Agreed to Comply Noted, its Ministry jurisdiction.		Date: 21/05/2025
43	MISCELLANEOUS	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
44	Statutory compliance	The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land to non-forest involved in the project.
PPs Submission: Complied Noted. There is no any forest land involved in the project area and lease area.		Date: 21/05/2025
45	Statutory compliance	The project proponent shall obtain Consent to Establish / operate under the provisions of Air (prevention and control of pollution) Act 1981 and the Water (prevention and control pollution) Act 1974 from the concerned state pollution control board/ committee.
PPs Submission: Complied Noted please.		Date: 21/05/2025
46	Statutory compliance	The project proponent shall obtain the necessary permission from the central groundwater authority in case of drone of groundwater from the competent authority concerned in case of drone of surface water required for the project.
PPs Submission: Complied No ground water is being abstracted for mining operation; water requirement is being fulfilled by the		Date: 21/05/2025

		brackish water from water treatment plant at RSMML, Matasukh.	
47	Statutory compliance	The project proponent shall obtain authorisation under the Hazardous and Other Waste Management Rules 2016 as amended for time to time.	
PPs Submission: Complied Noted please. Only used oil and greese is being generated from the mine workshop, which is being sold to authorized recycler.			Date: 21/05/2025
48	Statutory compliance	The project component shall prepare a site specific conservation plan and wildlife management plan and approved by the chief wildlife warden the recommendations of the approved site specific conservation plan / wildlife management plan shall be implemented in the consultation with the state Forest Department. The implementation report shall be furnished along with the six monthly compliance report (in case of the presence of schedule-I species in the study area).	
PPs Submission: Agreed to Comply Approval of wildlife conservation plan is under process at Forest Department, Rajasthan. Communication were made for the same. Once, WCP will approved, plant will be implemented accordingly.			Date: 21/05/2025
49	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with the respect to standard prescribed in Environment Protection Rules, 1986 as amended for from time to time and connected to SPCB/SPSB online server and calibrate the system from time to time according to the equipment supplier specification through labs recognised under the Environment Protection Act, 1986 monitor fugitive emission in the plant premises.	
PPs Submission: Complied There is no any process stack in mining operation.			Date: 21/05/2025
50	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through lab recognised under Environment protection act 1986.	
PPs Submission: Being Complied Fugitive emission monitoring is being done on quarterly basis and reports are enclosed as annexure-15			Date: 21/05/2025
51	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install system to carryout a Continuous Ambient Air Quality Monitoring for common / criterion parameter relevant to the main pollutants released e.g. PM10 and PM2.5) any reference to PM emission and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations when within and three outside the plant area at the angle of 120 each covering upward and down direction.	
PPs Submission: Being Complied Ambient air quality is being monitored on continuous basis. Reports attached as Annexure-02			Date: 21/05/2025
52	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and result of monitoring and manual monitoring of air quality, fugitive mission at Regional Office of MoEFCC, Zonal Office of CPCB and Regional	

		Office of SPCB along with the six monthly monitoring report.	
PPs Submission: Being Complied Noted please. There is no any process stack situated in the mining operation. Ambient air Monitoring reports attached as annexure-02		Date: 21/05/2025	
53	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribe stack emission and fugitive emission standards.	
PPs Submission: Complied There is no any process stack situated in the mining operation.		Date: 21/05/2025	
54	AIR QUALITY MONITORING AND PRESERVATION	The project proponent use leak proof trucks / dumpers carrying ore and other raw materials and cover them with tarpaulin.	
PPs Submission: Complied All the raw material are being transported by the covered over land belt conveyer circuit.		Date: 21/05/2025	
55	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per ACGIH document for Air tunnel, motor houses, oil cellars.	
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025	
56	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying Shall be provided on the raw material stock piles.	
PPs Submission: Complied Crusher and limestone piles are bring covered by the sheets.		Date: 21/05/2025	
57	WATER QUALITY MONITORING AND PRESERVATION	Adhere to Zero Liquid Discharge.	
PPs Submission: Being Complied Complying with zero liquid discharge.		Date: 21/05/2025	
58	WATER QUALITY MONITORING AND PRESERVATION	Garland drain and collection pit shall be provided for each stock pile to arrest the run of in the event of heavy rain and to check the water pollution due to surface runoff.	
PPs Submission: Complied Garland drain and collection pit was constructed for collection of run off. Stock pile is being stored in covered shed and rain run off is collected through trenches.		Date: 21/05/2025	
59	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall practice rainwater harvesting to maximum possible extent.	
PPs Submission: Complied Measure are being taken for harvesting and conservation of rain water in side and outside the mine		Date: 21/05/2025	

	area.	
60	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor regularly groundwater quality at least twice a year (pre and post monsoon) at sufficient numbers of Piezometers / sampling wells in the plant and adjacent area through lab recognised under Environment protection act 1986 and NABL accredited laboratories.
PPs Submission: Being Complied Ground water quality and level is being monitored on pre-monsoon and post-monsoon basis. Ground water monitoring reports attached as Annexure-01		Date: 21/05/2025
61	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standard prescribed in Environment Protection Rules, 1986 as amended from time to time and connect to SPCB and CPCB or online server and calibrate the system from time to time according to equipment supplier specification through lab recognise under Environment protection act 1986 or NABL accredited laboratories.
PPs Submission: Complied No any effluent is being generated by the mining operations.		Date: 21/05/2025
62	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of groundwater quality to regional office of MoEFCC, Zonal office of CPCB and Regional Office of SPCB along with 6 monthly monitoring reports.
PPs Submission: Being Complied Noted, Quality testing of effluent and ground water is being done by NABL approved lab.		Date: 21/05/2025
63	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall provide the slime disposal facility with impervious lining and collection wells for seepage. The water collected from the slimes pond shall be treated and recycled.
PPs Submission: Agreed to Comply Presently, no any slime disposal and slime deposition area is present.		Date: 21/05/2025
64	WATER QUALITY MONITORING AND PRESERVATION	sewage treatment plant shall be provided for treatment of domestic wastewater to meet the prescribed standard.
PPs Submission: Complied Waste water generated from the mine office is being collected in soak pit.		Date: 21/05/2025
65	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall make effort to minimise water consumption in the Steel Plant complex by segregation of used water practicing cascade used and by recycling treated water.
PPs Submission: Complied No any waste water is being generated from mining operations.		Date: 21/05/2025
66	Noise Monitoring & Prevention	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.

PPs Submission: Being Complied Noted and agreed noise monitoring carried out as per the prescribed guidelines through NABL approved Laboratory, Noise Monitoring Reports attached as Annexure-13		Date: 21/05/2025
67	Noise Monitoring & Prevention	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
PPs Submission: Complied Noted please.		Date: 21/05/2025
68	ENERGY PRESERVATION MEASURES	Provide solar power generation on roof tops of buildings, for solar lights systems for all common areas, street lights, parking around project area and maintain the same regularly.
PPs Submission: Complied A solar plant of capacity 1500 W in installed and being operated in mine lease for illuminance.		Date: 21/05/2025
69	WASTE MANAGEMENT	The waste oil, grease and other hazardous wastes shall be disposed of as per the Hazardous and Other Waste (management and Transboundary Movement) Rules, 2016
PPs Submission: Complied Hazardous waste is being stored at designated area and being sold to authorized recycler and per HOW (MTM) Rules 2016. we have obtained the authorization from RSPCB vide letter dated 11.11.2022.		Date: 21/05/2025
70	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant).
PPs Submission: Complied There is no any kitched facility available in mine and mine office area. Hence, not applicable.		Date: 21/05/2025
71	GREENBELT	Green belt shall be developed in an area equal to 33 percentage of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
PPs Submission: Being Complied Progressive plant plan is being implemented as per submitted in EIA/EMP. Presently, 8 ha. Area is developed by planting 16000 saplings of native species.		Date: 21/05/2025
72	GREENBELT	The project proponent shall prepare GHG emission inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
73	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Being Complied Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is being		Date: 21/05/2025

		implemented and being monitored by certified safety managers.	
74	Human Health Environment	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, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after completion of the project.	
PPs Submission: Complied There is no any requirement for the construction labours in the mining activities. Toilet and drinking water arrangements are provided for the labours engaged in the mining operations.			Date: 21/05/2025
75	Human Health Environment	The project proponent shall carry out heat stress analysis for the workman who work in high temperature work zone and provide Personal protecting Equipment (PPE) as per the norms of Factory Act.	
PPs Submission: Complied There is no any high temperature work zone in mining area and mine office. Along with PPEs are being used by each and every workman who is working in mining area viz. Safety helmet, dust mask, hand gloves, ear plugs etc.			Date: 21/05/2025
76	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintain as per the Factories Act.	
PPs Submission: Being Complied Annual health checkup is being done on regular basis of the employees and workman engaged in mining operations.			Date: 21/05/2025
77	Corporate Environmental Responsibility	The project proponent shall submit the time bound action plan to the concerned regional office of the ministry within 6 month from the date of issues of environment clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEFCC office memorandum number 22-65 /2017-IA.III dated 30 September 2020. The action plan shall be implemented within three years of commencement of the project.	
PPs Submission: Being Complied Adequate funds have been earmarked for the environmental protection measures. The corporate social responsibility activities expenditure amount of plants mines for the period Apr-2024 to Mar-2025 is 374.15 lacs.			Date: 21/05/2025
78	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approved by the board of directors. The environmental policy should describe the standard operating procedure to have proper checks and balances and to bring into focus any infringement /deviation /violation of the environmental /forest wildlife /norms conditions. The company shall have defined system of reporting in deviation /violation of the environmental/ forest /wildlife norms/ conditions and /or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEFCC as a part of six monthly report.	
PPs Submission: Complied Noted please. Environment policy is prepared and being implemented centralized at Company Level.			Date: 21/05/2025
79	Corporate Environmental Responsibility	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and	

		shall be duly approved by competent authority. The year wise fund and marked for Environmental protection measure shall be kept in separate account and not to be diverted for any other purposes. Year wise progress of implementation of action plan shall be reported to the ministry/ regional office along with the six monthly compliance report.
PPs Submission: Being Complied Expenses made for EMP is being maintained in separate head of finance book. Provisions were made to proceed with the annual reports.		Date: 21/05/2025
80	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponent to the head of local bodies Panchayat municipal bodies in addition to the relevant offices of the government who is turn has to display the same for 30 days from the date of receipt.
PPs Submission: Complied Copy of environment clearance was given to gram Panchayat Rupasar and Didiyakalan.		Date: 21/05/2025
81	Corporate Environmental Responsibility	A separate environmental Cell both at the project and company head quarter level with qualified personnels shall be set up under the control of senior executive who will directly to the head of the organisation.
PPs Submission: Complied An environment cell is established with various field experts i.e. environment, geologist, mining engineer, horticulture and chemist.		Date: 21/05/2025
82	Corporate Environmental Responsibility	Self-environmental audit shall be conducted annually. Every three year third party environmental audit shall be carried out.
PPs Submission: Being Complied Noted and agreed.		Date: 21/05/2025
83	Corporate Environmental Responsibility	All the recommendations made in the charter of corporate responsibility for Environmental protection (CREP) for the mineral Beneficiation plants shall be implemented.
PPs Submission: Complied CREP conditions are being complied.		Date: 21/05/2025
84	MISCELLANEOUS	The project proponent shall make public the environment clearance granted for their project along with the environmental conditions and safeguard at their cost by prominently advertising it at least in two local newspaper of the district or state of which one shall be in the vernacular language within 7 days and in addition this shall also be displayed in the project proponent website permanently.
PPs Submission: Complied Noted please. Public notice for EC granted was printed in Dainik Bhaskar and Dainik Navjyoti on dated 06th July 2023. Copy of EC is also available on websire www.ambujacement.com		Date: 21/05/2025
85	MISCELLANEOUS	The project proponent upload the status of compliance of the stipulated environmental clearance condition including results of monitor data on their website and update the same on half yearly basis.

PPs Submission: Being Complied Compliance reports of EC is being uploaded on the companys website www.ambujacement.com.		Date: 21/05/2025
86	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
PPs Submission: Being Complied Critical pollutants in ambient air are being monitored on regular basis. Reports are enclosed and Data is being uploaded on company website along with compliance reports.		Date: 21/05/2025
87	MISCELLANEOUS	The project proponent shall submit six monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment Forest and Climate Change at Environment clearance portal.
PPs Submission: Being Complied Noted.		Date: 21/05/2025
88	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in form -V to the concerned state pollution control board as prescribed under the Environment Protection Act 1983 as amended subsequently and put on the website of the company.
PPs Submission: Being Complied Noted. Annual environment statements are being submitted in September month every year and also put on company websites.		Date: 21/05/2025
89	MISCELLANEOUS	The project proponent 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, commencing the land development work and start the production operation by the project.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
90	MISCELLANEOUS	The project authority is must strictly adhere to the stipulations made by the state pollution control board and the state government.
PPs Submission: Agreed to Comply Noted please.		Date: 21/05/2025
91	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during public hearing and also that during their presentation to the Expert Appraisal Committee.
PPs Submission: Being Complied Complying with.		Date: 21/05/2025
92	MISCELLANEOUS	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change MoEFCC.

PPs Submission: Agreed to Comply
Noted please.

Date:
21/05/2025

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

Six monthly compliance report of Environmental Clearance (Oct 2024- March 2025) for Marwar Mundwa Lime stone Mine ML-II (ML area 635 ha. Capacity 2.0 MTPA, M.L.No 03/1994) located at near village(s) Kherwar, Rupasar and DeediyaKalan Tehsil and Dist. Nagaur M/s Ambuja Cement Ltd. Unit: Marwar Mundwa ,Nagaur (RAJ) for the period of October 2024 to March 2025. MOEFCC, New Delhi letter No. J- 11015/422/2005-IA.II (M) Dated 30.06.2023.

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/MIN/411671/2022
Compliance ID	77642854
Compliance Number(For Tracking)	EC/COMPLIANCE/77642854/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	22-05-2025
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.

Sample Number : VTL/W/02

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

Sample Description : Ground Water Sample

Sampling Location : Village - Soliyan

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272500000848F

Report No. : VTL/W/2503280040/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 27/03/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.29	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS : 3025 (P-8) : 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	834	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	254	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	595.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	648.0	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	48.67	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1915	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.05	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	434	mg/L	-	-



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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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ULR No. : TC1122725000000848F

Sample Number : VTL/W/02

Report No. : VTL/W/2503280040/A

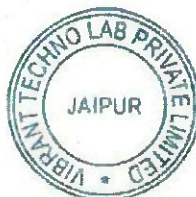
S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	100.9	mg/L	-	-

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

End of Report



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0141-2954638

bd@vibranttechnolab.com

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Sample Number : VTL/W/03

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

Sample Description : Ground Water Sample

Sampling Location : Village - Tausar

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272500000849F

Report No. : VTL/W/2503280041/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 27/03/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.74	—	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	—	Agreeable	Agreeable
5	Taste	IS : 3025 (P-8) : 2023	Agreeable	—	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	528	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	134.52	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	552.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	710	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	42.37	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1710	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.99	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	381	mg/L	-	-



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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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Sample Number : VTLW/03

TEST REPORT

TC-11227

ULR No. : TC112272500000849F

Report No. : VTLW/2503280041/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	80.5	mg/L	-	-

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

End of Report

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/W/05

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

Sample Description : Ground Water Sample

Sampling Location : Village - Kharda

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272500000851F

Report No. : VTL/W/2503280043/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 27/03/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS : 3025 (P-8) : 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	594.0	mg/L	200	800
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	172.38	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	655	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	702.0	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	39.88	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1915	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.10	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	505.0	mg/L	-	-



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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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TEST REPORT



TC-11227

"Experience the unimaginable"
Sample Number: VTL/W/05

ULR No. : TC1122725000000851F
Report No. : VTL/W/2503280043/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	92.32	mg/L	-	-

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

End of Report



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0141-2954638

bd@vibranttechnolab.com

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TEST REPORT



TC-11227

Sample Number : VTL/W/06

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

ULR No. : TC112272500000852F
Report No. : VTL/W/2503280044/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

Sample Description : Ground Water Sample
Sampling Location : Village - Khen
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.76	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) : 2021	*BLQ(*LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(*LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	692.0	mg/L	200	500
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	196.0	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	648.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	698	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	49.32	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1900	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.15	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(*LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	528.0	mg/L	-	-

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
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TEST REPORT



TC-11227

ULR No. : TC1122725000000852F
Report No. : VTL/W/2503280044/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	142.38	mg/L	-	-

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

End of Report



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0141-2954638

bd@vibranttechnolab.com

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Sample Number : VTLW/07

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

Sample Description : Ground Water Sample
Sampling Location : Village - Bhadana
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

TEST REPORT



TC-11227

ULR No. : TC112272500000853F
Report No. : VTL/W/2503280045/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.82	—	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	—	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	—	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	794	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	258.0	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	645.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	742.0	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	36.52	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1962	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.29	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	439.0	mg/L	-	-



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0141-2954638

bd@vibranttechnolab.com

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TEST REPORT



TC-11227

"Experience the unimaginable"

Sample Number : VTL/W/07

ULR No. : TC1122725000000853F

Report No. : VTL/W/2503280045/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	118.0	mg/L	-	-

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

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TEST REPORT



Sample Number : VTLW/08

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341028
Rajasthan

Sample Description : Ground Water Sample

Sampling Location : Village - Mundwa

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272500000854F

Report No. : VTLW/2503280046/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 27/03/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.91	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	652.0	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	205.0	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	645.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	642	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	34.15	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1820	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.03	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	392	mg/L	-	-



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TEST REPORT



TC-11227

VIBRANT
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Sample Number : VTL/W/08

ULR No. : TC112272500000854F

Report No. : VTL/W/2503280046/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	94.0	mg/L	-	-

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

End of Report



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TEST REPORT



TC-11227

"Experience the unimaginable"
Sample Number : VTL/W/09Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026
RajasthanULR No. : TC112272500000856F
Report No. : VTL/W/2503280047/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NASample Description : Ground Water Sample
Sampling Location : Village - Inana
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.52	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-6) : 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	760	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	245.0	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	525.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	578	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	36.14	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1728	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.01	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	365.0	mg/L	-	-

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Sample Number : VTLW/09

TEST REPORT

TC-11227

ULR No. : TC112272500000855F

Report No. : VTLW/2503280347/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K; 2023	1.19	mg/L	-	-

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

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TEST REPORT



TC-11227

"Experience the unimaginable"
Sample Number : VTL/W/10Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
RajasthanSample Description : Ground Water Sample
Sampling Location : Village - Didiyakalan
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025ULR No. : TC1122725000000856F
Report No. : VTL/W/2503280048/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.59	—	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	918	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	291	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	605.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	678.0	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	46.64	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1995	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.17	mg/L	1.0	1.5
13	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
14	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	—
15	Free Residual Chlorine	IS 3025 (P- 26): 2021 (Clause 7.0)	*BLQ(**LOQ-0.2)	mg/L	0.2	1.0
16	Sodium as Na	APHA 24th Edition, 3500-Na:	468	mg/L	-	-

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Sample Number: VTLW/10

TEST REPORT

ULR No. : TC112272500000856F

Report No. : VTLW/2503280048/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
16		2023				
17	Potassium as K	APHA 24th Edition, 3500-K: 2023	152	mg/L	-	-

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

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TEST REPORT



TC-11227

"Experience the unimaginable"
Sample Number : VTL/W/13Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341026
RajasthanSample Description : Drinking Water Sample
Sampling Location : Mine ML-2
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025ULR No. : TC112272500000859F
Report No. : VTLW/2503280051/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.34	—	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	—	Agreeable	Agreeable
5	Taste	IS : 3025 (P-8) : 2023	Agreeable	—	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	79.85	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	20.47	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	70.26	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	37.4	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P-27/Sec 1) :2021	*BLQ(**LOQ-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	6.99	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	162.0	mg/L	500	2000
13	Sulphate (as SO ₄)	IS: 3025 (P-24): Sec : 1 : 2022	10.2	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	*BLQ(**LOQ-0.2)	mg/L	1.0	1.5
15	Nitrate (as NO ₃)	IS 3025 (P-34) : Sec 1 : 2023 (Clause 6.4)	6.08	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.1)	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BLQ(**LOQ-0.2)	mg/L	0.5	2.4
19	Phenolic Compounds	APHA 24th Edition, 5530C:	*BLQ(**LOQ-0.001)	mg/L	0.001	0.002

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bd@vibranttechnolab.com
www.vibranttechnolab.com

Sample Number : VTLW/13

ULR No. : TC112272500000859F

Report No. : VTLW/2503280051/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012, RA 2023	
					Acceptable Limit	Permissible Limit
19	(C6H5OH)	2023				
20	Anionic Detergents (as MBAS)	IS 3025 : Part 68 : 2019	*BLQ(**LOQ-0.05)	mg/L	0.2	1.0
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.2)	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.02)	mg/L	0.05	1.5
23	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.002)	mg/L	0.003	No Relaxation
24	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
26	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	0.05
27	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BLQ(**LOQ-0.001)	mg/L	0.001	No Relaxation
28	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
29	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--

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

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TEST REPORT



TC-11227

"Experience the unimaginable"

Sample Number : VTL/AA/01

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

Report No. : VTL/A/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 : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village- Soliyan
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 06:20 TO 08:20 Hrs.
Ambient Temperature (°C) : Min. 22°C Max. 39°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	61.55	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	34.90	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	12.93	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.32	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.70	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	8.79	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	7.63	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



TC-11227

Sample Number: VTL/AA/03

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/2503280014/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 : Village- Kharda
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/06
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 07:20 TO 07:20 Hrs.
Ambient Temperature (°C) : Min. 22°C Max. 39°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	58.74	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	26.30	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	13.96	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	7.90	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.49	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	5.06	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	6.11	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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0141-2954638

bd@vibranttechnolab.com

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Sample Number : VTL/AA/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/A/2503280015/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 : Village- Khen
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 26/03/2025
Time of Monitoring : 07:40 TO 07:40 Hrs.
Ambient Temperature (°C) : Min. 22°C Max. 39°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	65.97	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	31.60	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	14.77	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.56	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.58	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	9.23	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	10.55	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

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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TEST REPORT



Sample Number : VTL/AA/07

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/2503280018/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 : Village-Inana
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/10
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 08:45 TO 09:45 Hrs.
Ambient Temperature (°C) : Min. 22°C Max. 39°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	60.98	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	29.08	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	16.30	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.27	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.56	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	7.66	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	8.51	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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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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TEST REPORT



Sample Number : VTL/AA/08

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/2503280019/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 : Village-Kherwar
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/11
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 09:00 TO 09:00 Hrs.
Ambient Temperature (°C) : Min. 22°C Max. 39°
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	65.20	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	31.96	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 8)-2006, RA.2022	15.46	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	12.30	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.61	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	9.09	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	9.87	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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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/21

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/2503280032/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 : ML-2 Lease Boundary East Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/08
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 09:10 TO 09:10 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°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)-2008 RA 2022	66.80	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	32.67	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	14.93	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	8.69	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.57	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	8.20	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	5.96	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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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number: VTL/AA/22

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

Report No. : VTL/A/2503280033/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 : ML-2 Lease Boundary West Direction
Sample Collected By : VTL Team
Instrument Code : VTLRDS/FPS/09
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 09:30 TO 09:30 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°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	63.58	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	27.96	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	15.09	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	8.11	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.67	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	8.21	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	6.36	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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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
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Sample Number : VTL/AA/23

TEST REPORT



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/2503280034/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 : ML-2 Lease Boundary North Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/10
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 09:50 TO 09:50 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°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)-2008 RA 2022	68.12	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	33.43	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	18.26	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.37	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.78	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	12.79	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	7.93	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	8
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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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/24

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

Report No. : VTL/A/2503280035/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 : 4. ML-2 Lease Boundary South Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/11
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°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	64.44	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	30.96	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	19.73	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	10.56	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.71	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2008, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	10.69	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	8.46	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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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

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

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Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

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

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Lab Incharge
Authorized Signatory

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

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

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

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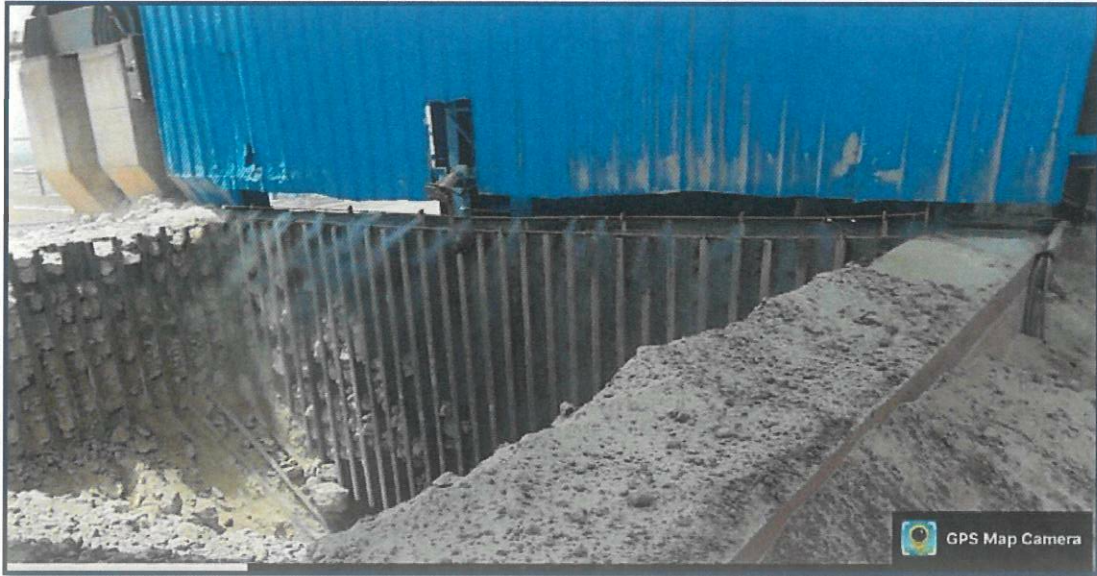
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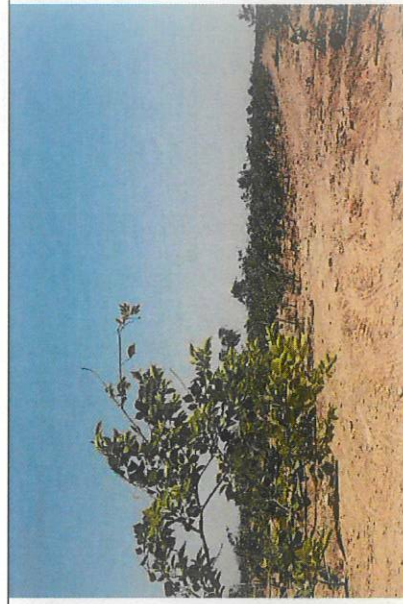
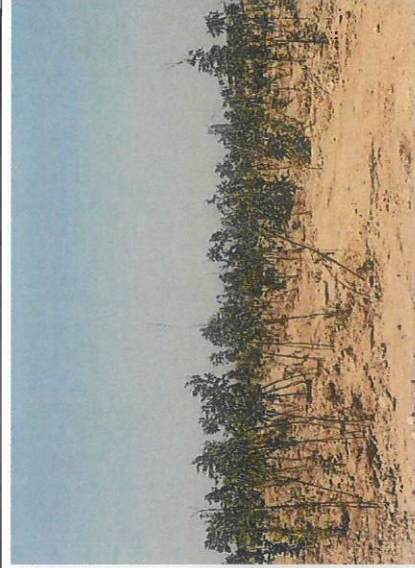
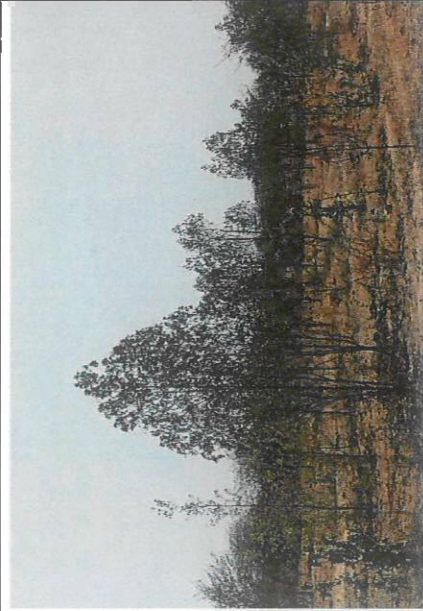
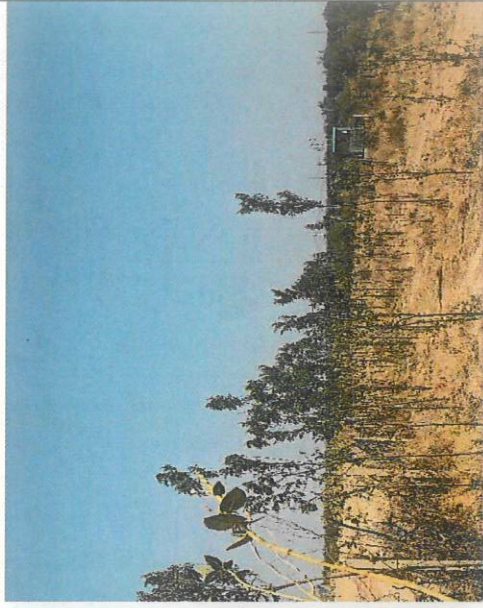
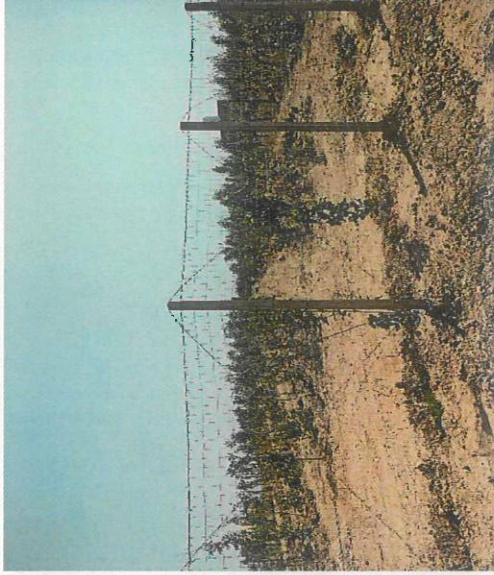
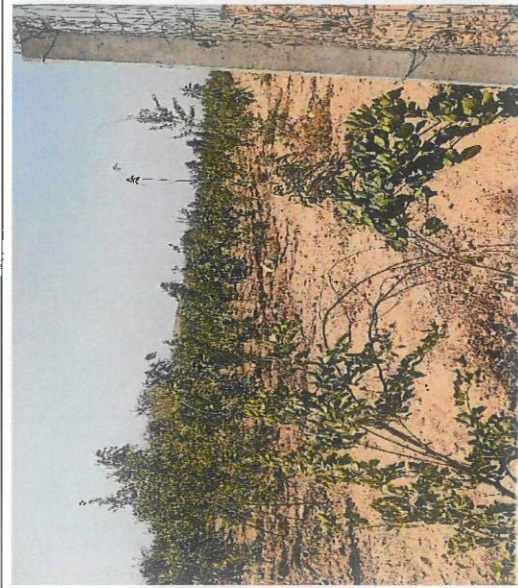
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Photograph of Water sprinklers



Photographs of Plantation



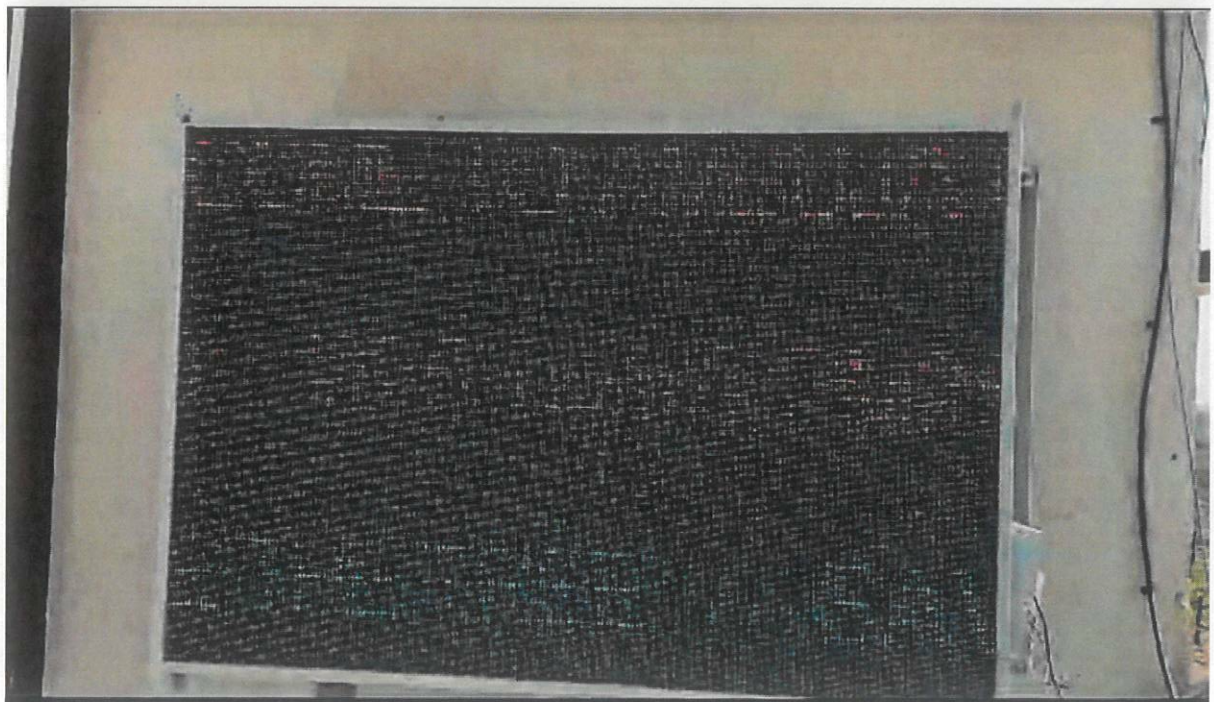
CSR Details for FY 2024-25 given as Below-

S. No.	Particular	Amount (In lacs.)
1.	Community infrastructure development	140.0
2.	Education promotion & Development Initiatives	3.0
3.	Health/Medical check-up & Family welfare programme/Medical camps	5.7
4.	Natural resources Management/Environment	98.67
5.	Woman empowerment	17.36
6.	Agro Based Livelihood	51.34
7.	Skill and Entrepreneurship development program	58.08
Total		374.15

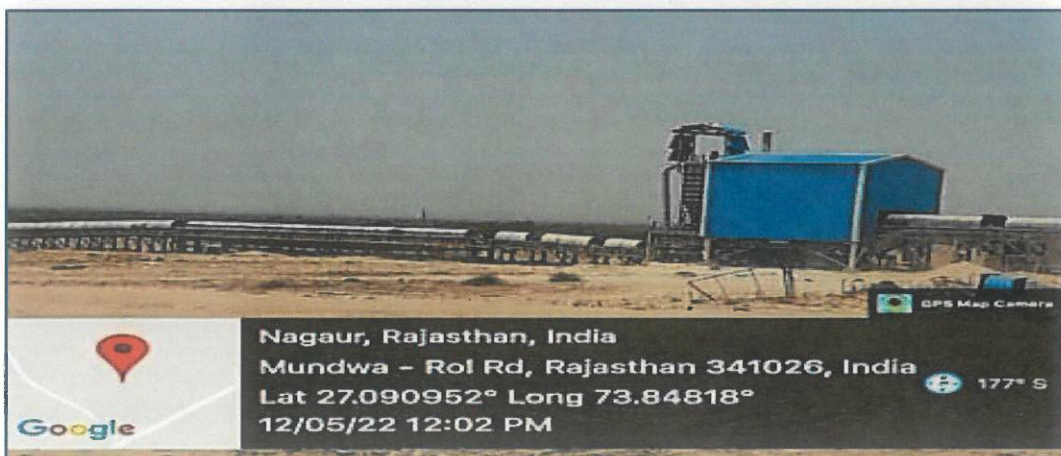
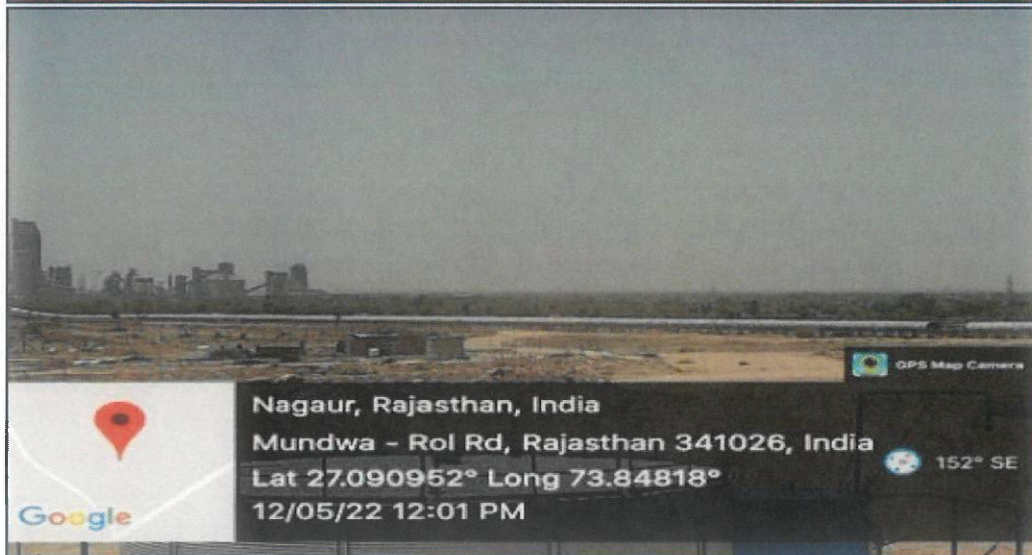
Photographs of Occupational Health Care Facility



Photographs of CAAQMS and Display Board



Photograph of dust control measures





TEST REPORT



TC-11227

Sample Number : VTL/W/13

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

Sample Description : Drinking Water Sample
Sampling Location : Matasukh
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC112272500000860F
Report No. : VTL/W/2503280052/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.24	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-1.0)	Hazen	5	15
3	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	92.0	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	25.78	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	72.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	41.8	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P-27/Sec 1) :2021	*BLQ(**LOQ-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	6.73	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	195	mg/L	500	2000
13	Sulphate (as SO ₄)	IS: 3025 (P-24): Sec : 1 : 2022	16.4	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	*BLQ(**LOQ-0.2)	mg/L	1.0	1.5
15	Nitrate (as NO ₃)	IS 3025 (P-34) : Sec 1 : 2023 (Clause 6.4)	7.2	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.1)	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BLQ(**LOQ-0.2)	mg/L	0.5	2.4
19	Phenolic Compounds	APHA 24th Edition, 5530C:	*BLQ(**LOQ-0.001)	mg/L	0.001	0.002



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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

☎ 0141-2954638

✉ bd@vibranttechnolab.com

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ULR No. : TC112272500000860F
Report No. : VTL/W/2503280052/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
19	(C6H5OH)	2023				
20	Anionic Detergents (as MBAS)	IS 3025 : Part 68 : 2019	*BLQ(**LOQ-0.05)	mg/L	0.2	1.0
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.2)	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.02)	mg/L	0.05	1.5
23	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.002)	mg/L	0.003	No Relaxation
24	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
26	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BLQ(**LOQ-0.005)	mg/L	0.01	0.05
27	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BLQ(**LOQ-0.001)	mg/L	0.001	No Relaxation
28	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
29	E.Coli	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--

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

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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TEST REPORT

Sample Number : VTLW/13

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

Report No. : VTLW/2503280052/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 27/03/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : NA

Sample Description : Drinking Water Sample
Sampling Location : Matasukh
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012,RA 2023	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) : 2021	*BLQ(**LOQ-0.05)	mg/L	0.5	No Relaxation
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition 5175/6630 2023	*BLQ(**LOQ-0.0001)	mg/L	0.0001	No relaxation
3	Polychlorinated biphenyls (PCB)	APHA 24th Edition ,6440, 2023	*BLQ(**LOQ-0.0001)	mg/L	0.0005	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2023	*BLQ(**LOQ-0.01)	µg/L	-	-
5	Hexavalent Chromium as Cr+6	APHA 24th Edition, 3500 Cr-B : 2023	*BLQ(**LOQ-0.01)	mg/L	-	-

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

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
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Sample Number : VTL/WWW/07

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

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

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : Mine Workshop

Sample Collected By : VTL Team

Coordinates : NA

ULR No. : TC112272500000844F

Report No. : VTL/WWW/2503280017/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 25/03/2025

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.38	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	31.9	mg/L	100
3	Temperature	IS: 3025 (P-9): 2023	4.1	°C	Shall not exceed 5°C above the receiving water temperature
4	Oil & Grease	IS:3025 (P-39): 2021	6.5	mg/L	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	22.76	mg/L	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	140.92	mg/L	250
7	Chromium (as Cr)	APHA 24th Edition ,3111 B, 2023	*BLQ(**LOQ- 0.10)	mg/L	2
8	Copper (as Cu)	APHA 24th Edition ,3111 B, 2023	*BLQ(**LOQ-0.10)	mg/L	3
9	Zinc (as Zn)	APHA 24th Edition ,3111 B, 2023	0.45	mg/L	5
10	Iron (as Fe)	APHA 24th Edition , 3111 B, 2023	0.31	mg/L	3

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

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TEST REPORT

Sample Number : VTL/WWW/07

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026
Rajasthan

Report No. : VTL/WWW/2503280017/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 25/03/2025
Parameter Required : As per work order

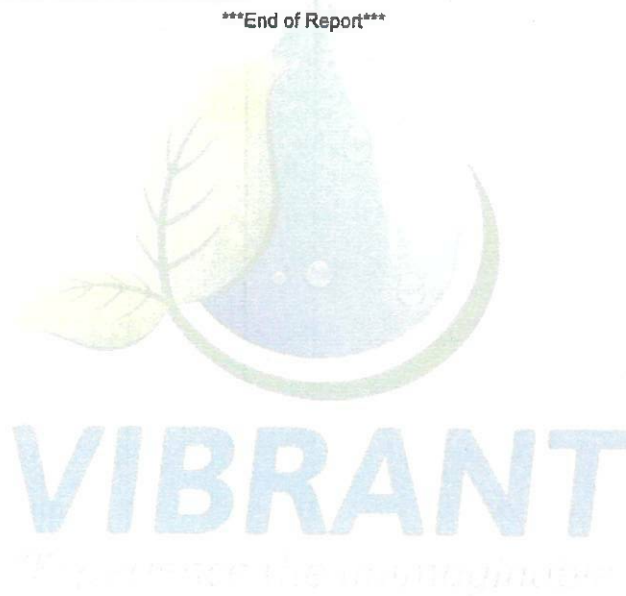
Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : Mine Workshop
Sample Collected By : VTL Team
Coordinates : NA

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Free Ammonia (as NH ₃)	IS 3025 (P-34) : Sec 1 : 2023 (Clause 5.3)	2.42	mg/L	5
2	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.35	mg/L	5

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

End of Report



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0141-2954638
bd@vibranttechnolab.com
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Sample Number : VTL/WWW/08

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026
Rajasthan

Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : N-Pit WHRS
Sample Collected By : VTL Team
Coordinates : NA

ULR No. : TC112272500000845F
Report No. : VTL/WWW/2503280018/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025
Sampling Date : 25/03/2025
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.24	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	27.4	mg/L	100
3	Temperature	IS: 3025 (P-9): 2023	3.9	°C	Shall not exceed 5°C above the receiving water temperature
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/L	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	10.92	mg/L	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	40.89	mg/L	250
7	Chromium (as Cr)	APHA 24th Edition ,3111 B, 2023	*BLQ(**LOQ- 0.10)	mg/L	2
8	Copper (as Cu)	APHA 24th Edition ,3111 B, 2023	*BLQ(**LOQ-0.10)	mg/L	3
9	Zinc (as Zn)	APHA 24th Edition ,3111 B, 2023	*BLQ(**LOQ-0.20)	mg/L	5
10	Iron (as Fe)	APHA 24th Edition , 3111 B, 2023	0.27	mg/L	3

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

End of Report

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
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TEST REPORT

Sample Number : VTLWW/08

M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- Nagaur 341026
Rajasthan

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : N-Pit WHRS

Sample Collected By : VTL Team

Coordinates : NA

Report No. : VTLWW/2503280018/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sampling Date : 25/03/2025

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Free Ammonia (as NH ₃)	IS 3025 (P-34) : Sec 1 : 2023 (Clause 5.3)	1.02	mg/L	5
2	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.51	mg/L	5

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

End of Report



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Photographs of Rain Water Harvesting structures



Photograph of ETP



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

Checked By



RK Yadav

Lab Incharge
Authorized Signatory

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

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

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

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

Surbhi
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Photographs of Closed conveyor belt .





TEST REPORT



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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Checked by



RK Yadav
Lab Incharge
Authorized Signatory



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Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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