

Ref: ACL/MM/ENV/2025/22

Date: 20th 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-I (ML area 699.9 ha. Capacity 3.0 MTPA, **M.L.No 111/2007**) located at near village(s) –Rupasar, Inana, Kherwar & Deediya Kalan Tehsil & Dist. Nagaur M/s Ambuja Cements Ltd. Unit: Marwar Mundwa ,Nagaur (Rajasthan) for the period of **October- 2024 to March 2025**.

Ref.: MOEF& CC, New Delhi letter No.: - J-11015/421/2005-IA. II (M) Dated 01.11.2022.

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 rocz.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 Cements Ltd. (Unit: Marwar)



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
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Half Yearly Compliance Report 2025 01 Jun(01 Oct - 31 Mar)			
Acknowledgement			
Proposal Name		Marwar Mundwa Limestone mine (ML-1) of M/s Ambuja Cements Limited for expansion in Limestone Production Capacity from 2.5 million TPA to 3.0 million TPA (20 percentage) in first phase with Topsoil: 0.102 million TPA, Waste: 1.030 million TPA (Total excavation: 4.132 million TPA) along with the existing crusher capacity of 2000 TPH in the mine lease area of 699.9 Ha, located at villages- Rupasar, Inana, Mundwa and Bhadana Tehsil and District- Nagaur, Rajasthan.	
Name of Entity / Corporate Office		Ambuja Cements Limited	
Village(s)		BHADANA	
District		NAGAU	
Proposal No.	IA/RJ/MIN/290348/2022	Category	Non-Coal Mining
Plot / Survey / Khasra No.		Sub-District	MUNDWA
State	RAJASTHAN	Entity's PAN	*****0569P
MoEF File No.	J-11015/421/2005-IA.II(M)	Entity name as per PAN	Ambuja Cements Limited
Compliance Reporting Details			
Reporting Year	2025		
Remarks (if any)	<p>Six monthly compliance report of Environmental Clearance (Period Oct 2024 to March 2025) for Marwar Mundwa Limestone Mine ML I (ML area 699.9 ha. Capacity 3.0 MTPA, M.L.No 111/2007) located at near village(s) Rupasar, Inana, Kherwar and Deediya Kalan Tehsil and Dist. Nagaur M/s Ambuja Cements Ltd. Unit Marwar Mundwa ,Nagaur (Rajasthan) for the period of October- 2024 to March 2025. MOEFCC, New Delhi letter No. J-11015/421/2005-IA. II (M) Dated 01.11.2022.</p>		
Reporting Period	01 Jun(01 Oct - 31 Mar)		
Details of Production and Project Area			
Name of Entity / Corporate Office	Ambuja Cements Limited		

	Project Area as per EC Granted	Actual Project Area in Possession
Private	230.87	230.87
Revenue Land	469.03	469.03
Forest	0	0
Others	0	0
Total	699.9	699.9

Production Capacity						
Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Limestone	Million Tons per Annum (MTPA)	31/08/2025	3.0	2.956451	3.0

Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Environmental Clearance will be valid till 20.09.2038 only.
PPs Submission: Being Complied Noted please.		Date: 20/05/2025
2	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 villagers by installing solar pumps as well as PP shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.
PPs Submission: Being Complied Pond construction and protection, deepening and beautification work is being done under CSR. CSR expenditure for the FY 2024-25 is attached as Annexure-02		Date: 20/05/2025
3	WATER QUALITY MONITORING AND PRESERVATION	The Project Proponent needs to take adequate measures to improve the quality of water by proper treatment. PP needs to provide the RO plant for the purpose of drinking for the people coming under the zone of influence of this mining activity.
PPs Submission: Being Complied Adequate measures to improve quality of drinking water are being done under CSR activities.		Date: 20/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The real time data generated from the continuous ambient air quality monitoring stations (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 level and ground vibration during drilling and blasting at the edge of the mine, near the village, near the agriculture field, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry Integrated

		Regional Office.	
	PPs Submission: Being Complied We have installed CAAQMS systems at Mine lease boundary and data is being uploaded on display board and CPCB and SPCB servers round the clock. Ambient air quality monitoring reports, noise level monitoring reports is given as Annexure-1.		Date: 20/05/2025
5	MINING PLAN	The Project Proponent needs to avoid the secondary blasting and shall use hydraulic rock breaker for breaking the boulders.	
	PPs Submission: Being Complied Only daytime blasting is In practice. Hydraulic rock breakers are being used for breaking the boulders.		Date: 20/05/2025
6	Statutory compliance	The Project Proponent shall ensure that the no public road shall be used for the purpose of transportation.	
	PPs Submission: Being Complied Transportation of limestone is being done through OLBC (Over Land Conveyor Belts). Underpasses were provided for the passing of public roads, village roads and national highways.		Date: 20/05/2025
7	MINING PLAN	There shall be no permanent external OB dump left created at the end of the life of the mine.	
	PPs Submission: Being Complied OB is dumped within the mine lease boundaries. Sumps will be created as per mine closure plan.		Date: 20/05/2025
8	Corporate Environmental Responsibility	The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 3.36 Cr. The implementation status of the same shall be submitted to the Ministry Integrated Regional Office.	
	PPs Submission: Being Complied Community development activities are being carried out under CSR activities to implement the budgetary provisions as according to EMP.		Date: 20/05/2025
9	GREENBELT	The Project Proponent needs to complete the plantation over an area of 11.0 ha under green belt within one year from this date of issue of grant of EC. The Project Proponent needs to undertake the adequate bench plantation and on the terrace of the waste dump to prevent the soil erosion and also along the village road.	
	PPs Submission: Being Complied Presently 12.00 Ha area is developed for plantation with 23500 sapling of native species. 12.00 ha will achieve within FY.		Date: 20/05/2025
10	Statutory compliance	The Project Proponent needs to analyse the quality of the soil once in six months in the adjoining agriculture field in the vicinity of the mine lease area. The Project Proponent needs to review any damage of the crops due to mining activity and crushing operations and accordingly the Project Proponent needs to undertake necessary steps to prevent any damage.	
	PPs Submission: Being Complied Soil analysis is being done on quarterly basis through NABL approved laboratory. Analysis reports are given as Annexure-3.		Date: 20/05/2025
11	AIR QUALITY MONITORING AND	The Project Proponent needs to install the permanent water sprinklers along the haul road of length -2.0 km.	

PRESERVATION		
PPs Submission: Being Complied Being Complied, Efficient water sprinkling system installed at crushing site to control the fugitive emission. we planned for installation a more sprinklers on haul road on this FY years 2025-26.		Date: 20/05/2025
12	GREENBELT	The Project Proponent shall ensure the survival rate of 95 percentage for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings 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 and survival rates.		Date: 20/05/2025
13	MISCELLANEOUS	The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analysed periodically and improved accordingly.
PPs Submission: Being Complied 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.		Date: 20/05/2025
14	Human Health Environment	The Project Proponent needs to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets.
PPs Submission: Being Complied Online classrooms are available in mine office for training of workers and employees. Additional is being developed under CSR activities.		Date: 20/05/2025
15	Human Health Environment	The Project Proponent should periodically monitor and maintain the health records 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 organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
PPs Submission: Being Complied Periodically and annual health check-ups is being done and records are maintained for all the mine workers.		Date: 20/05/2025
16	LAND RECLAMATION	The mining lease holders shall, after ceasing mining operations, undertake regrassing 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 Presently, mining is being done as per approved mining plan and mine closure plan.		Date: 20/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	This issues with the approval of Competent Authority.
PPs Submission: Complied Noted please.		Date: 20/05/2025
2	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: 20/05/2025
3	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: 20/05/2025
4	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: Being Complied Mine is complying with judgement of Honble Supreme Court.		Date: 20/05/2025
5	Statutory compliance	The Project Proponent shall follow the mitigation measures provided in MoEFCC 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: Complied No habitat is present in mine lease area. Issues of buffer zone will be solved under CSR activities.		Date: 20/05/2025
6	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 punchayat, Mundwa and Inana villages.		Date: 20/05/2025
7	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-7.	Date: 20/05/2025
8	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.	Date: 20/05/2025
9	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 Its SPCB jurisdiction.	Date: 20/05/2025
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: 20/05/2025
11	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 attached as Annexure-06		Date: 20/05/2025
12	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: 20/05/2025
13	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 is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, N02, CO and S02 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, 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: Being Complied CAAQMS systems are installed, and data is being displayed on main gate of mine.		Date: 20/05/2025
14	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 table will be intersected from mining activities.		Date: 20/05/2025
15	WATER QUALITY MONITORING AND	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid

	PRESERVATION	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 wastewater is being generated from the mining activities. Wastewater generated from the mine workshop is being treated in ETP (5 KLD) and treated water is being used for dumper washing again. Photograph of ETP (5 KLD) and Wastewater analysis report from workshop attached as Annexure-08		Date: 20/05/2025
16	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.		Date: 20/05/2025
17	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-09		Date: 20/05/2025
18	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: 20/05/2025
19	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 conservation measures are adopted in mine.		Date: 20/05/2025
20	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 will be disturb to any human and animal population.		Date: 20/05/2025
21	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-10		Date: 20/05/2025
22	MINING PLAN	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, overburden, interburden 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: Being Complied Excavation, mining is being done as per approved mining plan. Mine closure plan will be implemented when mining will stopped.		Date: 20/05/2025
23	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: Being Complied Land use and mining is being done as per approved mining plan.		Date: 20/05/2025
24	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 Total OB generated from the mine for FY 2024-25 is 342675 Tonnes.		Date:

		20/05/2025
25	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: Complied Slopes are designed scientifically, and vegetation is to be planted for stability enhancement.		Date: 20/05/2025
26	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: 20/05/2025
27	MISCELLANEOUS	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.
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.		Date: 20/05/2025
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		Date:

Garland drain and check dams has been constructed around mine pit and OB dump area.		20/05/2025
29	MISCELLANEOUS	<p>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).</p>
PPs Submission: Complied Noted no any minerals transported through the roads ,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. Photograph of Closed Conveyor Belt attached as annexure-11.		Date: 20/05/2025
30	MISCELLANEOUS	<p>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.</p>
PPs Submission: Agreed to Comply Noted please.		Date: 20/05/2025
31	GREENBELT	<p>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.</p>
PPs Submission: Being Complied Total 12 ha area has been used for plantation and total ²³⁵⁰⁰ 13500 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. Density enhancement by gap plantation is also under process to achieve 2500 plants / hectare. Photographs of plantation attached as annexure-12		Date: 20/05/2025
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</p>

		around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
PPs Submission: Being Complied Plantation is being done as according to plantation plan. Total nos. 2500 ²³⁵⁰⁰ of plant sapling was planted within 12.00 Ha. Area with native species.		Date: 20/05/2025
33	GREENBELT	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.
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: 20/05/2025
34	Human Health Environment	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 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: 20/05/2025
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. CSR expenditure for the FY 2024-25 is as Annexure-02		Date: 20/05/2025
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: 20/05/2025
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: 20/05/2025
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: 20/05/2025
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: 20/05/2025
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: Being Complied Noted please.		Date: 20/05/2025
41	MISCELLANEOUS	In pursuant to Ministrys 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: Being Complied Industry will comply with said directions.		Date: 20/05/2025
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 Ministrys jurisdiction.		Date: 20/05/2025
43	MISCELLANEOUS	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made

		there under and also any other orders passed by the Honble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
PPs Submission: Being Complied Noted please.		Date: 20/05/2025
44	MISCELLANEOUS	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
PPs Submission: Agreed to Comply Noted please.		Date: 20/05/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		Six monthly compliance report of Environmental Clearance (Period Oct 2024 to March 2025) for Marwar Mundwa Lime stone Mine ML I (ML area 699.9 ha. Capacity 3.0 MTPA, M.L.No 111/2007) located at near village(s) Rupasar, Inana, Kherwar and Deediya Kalan Tehsil and Dist. Nagaur M/s Ambuja Cements Ltd. Unit Marwar Mundwa ,Nagaur (Rajasthan) for the period of October- 2024 to March 2025. MOEFCC, New Delhi letter No. J-11015/421/2005-IA. II (M) Dated 01.11.2022.
<p>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.</p>		

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

Proposal No	IA/RJ/MIN/290348/2022
Compliance ID	126637606
Compliance Number(For Tracking)	EC/M/COMPLIANCE/126637606/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	20-05-2025
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.



TEST REPORT



TC-11227

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

Surbhi
Checked By



RK Yadav

Lab Incharge
Authorized Signatory

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

Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/ N/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

Sanbhi
Checked By



RK Yadav

Lab Incharge
Authorized Signatory

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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- Soliya
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

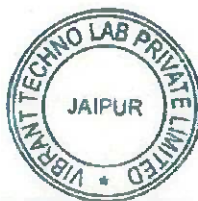
S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	61.55	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	34.90	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	12.93	µg/m³	80
4	Sulphur Dioxide (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	5
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



Sunshi
Checked by



RK Yadav
Lab Incharge
Authorized Signatory



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Term & conditions PTO

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Sample Number : VTL/AA/02

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

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

TEST REPORT



Report No. : VTL/A/2503280013/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village- Roopasar
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/05
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 06:50 TO 06:50 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	64.96	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	28.63	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA,2022	14.22	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	8.33	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.52	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	8.22	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	6.54	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/1

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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

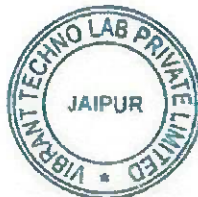
S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	58.74	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	26.30	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	13.96	µg/m³	80
4	Sulphur Dioxide (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

End of Report



Checked by
Sushmi



RK Yadav
Lab Incharge
Authorized Signatory



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TEST REPORT



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

End of Report



Summi
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RK Yadav
Lab Incharge
Authorized Signatory



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Vibrant Techno Lab Pvt. Ltd.

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Sample Number : VTL/AA/05

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/2503280016/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- Bhadana
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/08
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 08:10 TO 08:10 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	57.89	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	26.91	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	16.23	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	9.02	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	7.95	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	6.34	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26) : 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

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

End of Report



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Lab Incharge
Authorized Signatory



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Sample Number : VTL/AA/06

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/2503280017/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- Mundwa
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/09
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/03/2025 To 26/03/2025
Time of Monitoring : 08:25 TO 08:25 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	67.40	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	32.94	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	15.08	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	10.63	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.68	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	9.28	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	11.20	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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Sushmi



RK Yadav
Lab Incharge
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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 08:45 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

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Lab Incharge
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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- 5)-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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Sample Number : VTL/AA/09

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/2503280020/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-Didiyakalan
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/03/2025 To 27/03/2025
Time of Monitoring : 06:30 TO 06:30 Hrs.
Ambient Temperature (°C) : Min. 23°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	65.96	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	30.45	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	17.20	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	9.86	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	9.11	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	8.89	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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TEST REPORT



TC-11227

Sample Number : VTUAA/16

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

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

Report No. : VTUAA/2503280027/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

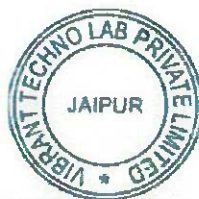
General Information:-

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

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

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

End of Report

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Lab Incharge
Authorized Signatory

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TEST REPORT



TC-11227

Sample Number : VTL/AA/17

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

PO & Tehsil- Marwar Mundwa, Distt- Nagaur 341028
Rajasthan

Report No. : VTL/A/2503280028/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 02/04/2025

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

Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mine Boundary ML 1-North Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 07:10 TO 07:10 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	75.80	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	38.67	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	21.79	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	11.94	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.76	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	11.73	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	15.82	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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Sunil



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Lab Incharge
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TEST REPORT



TC-11227

Sample Number : VTL/AA/18

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/2503280029/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mine Boundary ML 1-West Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/05
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 07:45 TO 07:45 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	73.88	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	35.43	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	19.37	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2) : Sec 1 : 2023	12.98	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.73	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	9.65	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	13.94	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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Sample Number : VTL/AA/19

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/2503280030/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 02/04/2025
Period of Analysis : 28/03/2025-02/04/2025
Receipt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mine Boundary ML 1-East Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/06
Coordinates : -
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 08:50 TO 08:50 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	72.58	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	35.24	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	18.36	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	11.97	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	10.99	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	15.74	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BLQ (**LOQ 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (Part 26): 2020	*BLQ (**LOQ 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1

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

End of Report



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Sample Number : VTL/AA/20

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/2503280031/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

Recelpt Date : 28/03/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mine Boundary ML 1-North Direction
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/07
Coordinates : -
Meteorological conditlon during monitoring : Clear Sky
Date of Monitoring : 27/03/2025 To 28/03/2025
Time of Monitoring : 08:20 TO 08:20 Hrs.
Ambient Temperature (°C) : Min. 15°C Max. 35°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009 (Limits)
1	Particulate Matter (as PM10)	IS:5182 (Part- 23)-2006 RA 2022	73.88	µg/m³	100
2	Particulate Matter (as PM2.5)	IS 5182(Part- 24): 2019	34.96	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2022	16.89	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (Part 2): Sec 1 : 2023	15.22	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.72	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (Part-25)-2018	11.33	µg/m³	400
8	Ozone (as O3)	IS 5182 (Part-9):1974 RA 2019	14.08	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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CSR expenditure for the FY 2024-25 is 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

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

Sample Description : SOIL
Sampling Location : Mine Lease ML-1
Sample Collected By : VTL Team
Parameter Required : As per work Order
Method of sampling : IS :2720

ULR No. : TC11227250000038F
Report No. : VTL/SO/2503280007/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 : Composite
Sample Quantity : 2 Kg.
Packing Status : Temp. Sealed
Coordinates : --

S.No.	Parameters	Test Method	Results	Units
1	pH	IS : 2720 (P- 26): 1987, RA: 2021	7.91	-
2	Total Lead (as Pb)	USEPA 3050 B: 1996	1.93	mg/kg
3	Total Cadmium (as Cd)	USEPA 3050 B: 1996	4.32	mg/kg
4	Electrical Conductivity	IS 14767: 2000, RA:2021	0.334	mS/cm
5	Organic Matter	IS 2720 (P-22) 1972, RA:2020	0.76	%
6	Zinc (as Zn)	USEPA 3050 B: 1996	20.91	mg/kg
7	Manganese (as Mn)	USEPA 3050 B: 1996	44.5	mg/kg

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

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TEST REPORT

Sample Number : VTL/SO/02

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

Name & Address of the Party :

Sample Description : SOIL
Sampling Location : Mine Lease ML-1
Sample Collected By : VTL Team
Parameter Required : As per work Order
Method of sampling : IS :2720

Report No. : VTL/SO/2503280007/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 : Composite
Sample Quantity : 2 Kg.
Packing Status : Temp. Sealed
Coordinates : --

S.No.	Parameters	Test Method	Results	Units
1	Water holding capacity	USDA:1954	32.45	%
2	Sodium (as Na)	USEPA:3050 B:1996	29.87	mg/kg
3	Potassium (as K)	USEPA 3050 B: 1996	218.56	kg/hect
4	Porosity	IS 2720 (P-17) 1986, RA 2016	49.78	%
5	Total Kjeldhal Nitrogen (as TKN)	IS : 14684,1999, RA 2015	132	mg/kg
6	Iron (as Fe)	USDA:1954-RA, 2010, Method 4.2	28.76	mg/kg
7	Nitrate (as NO3)	USDA: 1954, 2010 (Page -100)	121	mg/kg
8	Soil Texture	IS:2720 (P-4), RA:2006	Sandy Loam	--
9	Total Alkalinity	USDA:1954, RA-2010, Method 4.1	202	mg/kg

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

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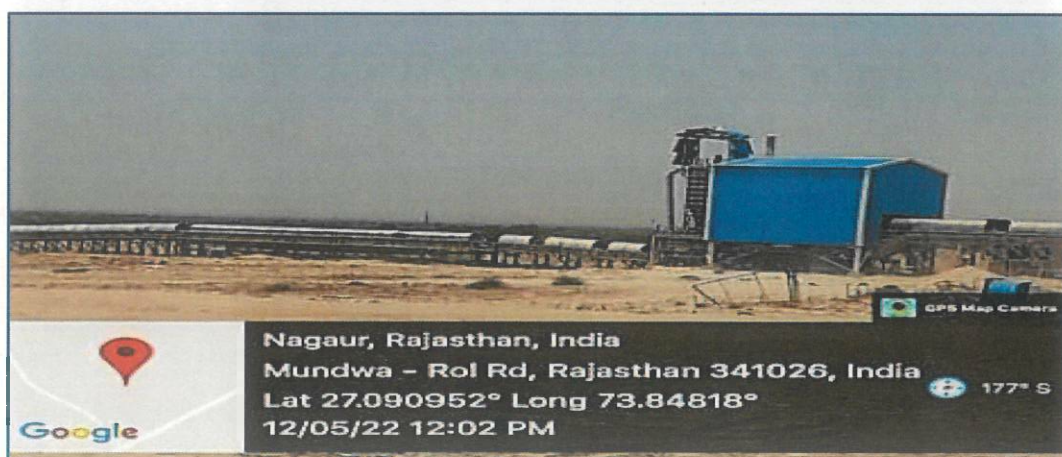
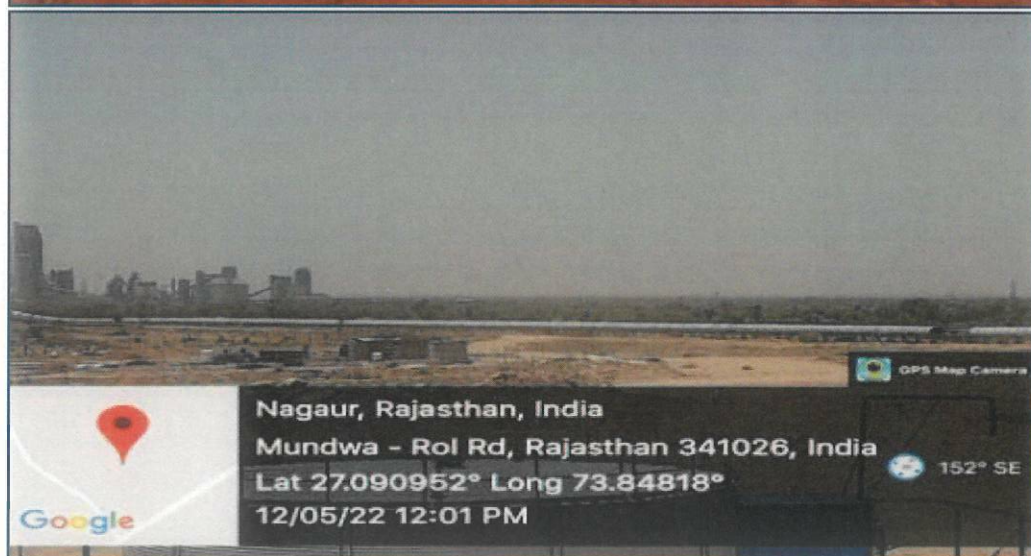
Photograph of CAAQMS installed as mines site



Photograph of Water sprinklers



Photograph of dust control measures



Sample Number : VTLW/04

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 - Roopasar

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122725000000850F

Report No. : VTLW/2603280042/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	7.83	—	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	602	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P-40): 2024	186.5	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	620	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	618	mg/L	250	1000
10	Magnesium (as Mg)	IS: 3025 (P-46): 2023	33.27	mg/L	30	100
11	Total Dissolved Solids	IS :3025 (P-16): 2023	1890	mg/L	500	2000
12	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.12	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:	404.0	mg/L	—	—



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ULR No. : TC112272500000850F

Sample Number : VTLW/04

Report No. : VTLW/2503280042/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	-	-

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

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TEST REPORT



TC-11227

Sample Number : VTL/W/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

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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TEST REPORT



TC-11227

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Sample Number: VTL/W/07

ULR No. : TC112272500000853F

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 : VTL/W/08

Name & Address of the Party : M/s Ambuja Cements Ltd. (Unit- Marwar Mundwa)
PO & Tehsil- Marwar Mundwa, Dist- 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. : VTL/W/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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Vibrant Techno Lab Pvt. Ltd.

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Sample Number : VTLW/08

TEST REPORT

ULR No. : TC112272500000854F

Report No. : VTLW/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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Checked byRK Yadav
Lab Incharge
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Sample Number : VTL/W/09

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

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

TEST REPORT



TC-11227

ULR No. : TC112272500000865F
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 : 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	7.52	--	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-8): 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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**VIBRANT***"Experience the unimaginable"*

Sample Number: VTL/W/09

TEST REPORT

TC-11227

ULR No. : TC1122725000000855F

Report No. : VTL/W/2503280047/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

End of Report

Sunil
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Sample Number : VTL/W/12

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 : Mine ML-1
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

TEST REPORT



TC-11227

ULR No. : TC112272500000858F
Report No. : VTL/W/2503280050/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	7.28	--	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	89.82	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	15.5	mg/L	75	200
8	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 2023	62.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	30.9	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	7.57	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	142	mg/L	500	2000
13	Sulphate (as SO ₄)	IS: 3025 (P-24): Sec : 1 : 2022	8.78	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)	4.27	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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TEST REPORT



TC-11227

"Experience the unimaginable"

Sample Number: VTL/W/12

ULR No. : TC112272500000858F

Report No. : VTL/W/2503280050/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

End of Report



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TEST REPORT

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Sample Number : VTL/W/12

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 : Mine ML-1
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2503280050/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

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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Photograph of ETP



Name & Address of the Party :

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

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

ULR No. : TC112272500000844F
Report No. : VTL/WW/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, Distt- Nagaur 341026
Rajasthan

Name & Address of the Party :

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

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

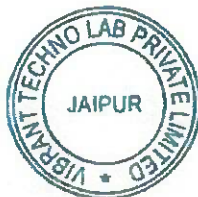
S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Free Ammonia (as NH ₃)	IS 3025 (P-34) : Sec 1 : 2023 (Clause 5.3)	2.42	mg/L	5
2	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.35	mg/L	5

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

End of Report



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TEST REPORT



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

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

General Information:-

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

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

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

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

Surabhi
Checked By



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

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

General Information:-

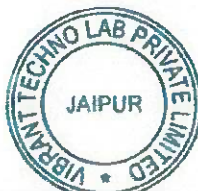
Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-20
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter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

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

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

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
Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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

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Photographs of Closed conveyor belt .



Photographs of Plantation

