

BCW / SD / L-5 / 1215
28.11.2025

To,

✓ The Joint Director (S),

Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur, B Wing – 213 & 214,
Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, **Jaipur (Raj.) – 304002**

Sub. : Environment clearance compliance report of M/s Birla Cement Works,
Limestone Mines, Chanderia.

Ref. : Environment Clearance no. J -11015 / 73 / 2014 – IA. II (M) dtd. 14.08.2020.

Sir,

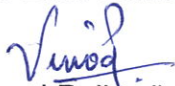
Please find enclosed the Environment Clearance compliance report of our Birla Cement Limestone Mines (ML No.- 10/83) for the period – April, 2025 to September, 2025 for your kind perusal.

Soft copy of the same is also being sent on your email id: iro.jaipur-mefcc@gov.in.

Thanking you,

Yours faithfully,

For: Birla Cement Works



(Vinod Paliwal)

AVP (Sustainable Development)

Enclosed: as above

Cc to:

The Additional Director (Mining),
Govt. of India,
Ministry of Environment, Forests & Climate Change,
Indira Paryavaran Bhavan, Jor Bagh Road,
New Delhi - 110 003

The Central Pollution Control Board,
Zonal office (Central),
E-5, Link Rd Number 3,
Ekant Park, Arera Colony,
Bhopal - 462 016 (M.P.)

The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area,
Jhalana Doongari,
Jaipur - (Raj) 302 004

Nov/Dec 2025

**ENVIRONMENT CLEARANCE COMPLIANCE
STATUS REPORT**
PERIOD: APRIL 2025 TO SEPTEMBER 2025



BIRLA CEMENT LIMESTONE MINES
(UNIT OF M/S. BIRLA CORPORATION LIMITED)
AT VILLAGE: BHERDA, JAI, SURJANA & NAGRI,
DISTRICT: CHITTORGARH (RAJ.)

ENVIRONMENT CLEARANCE COMPLIANCE REPORT

Name & Location of the Mines	: Birla Cement Limestone Mines (M/s Birla Corporation Limited) At Village: Bherda, Jai, Surjana & Nagri, PO: Semalpura, Teh & Distt: Chittorgarh (Raj.)
Mining Lease No.- and Area of ML	: 10/83, Area – 588.59 Hectares
Environmental Clearance Letter No.	: J -11015/73/2014– IA.II (M) dated 14.08.2020
Period of the Compliance Report	: From 01st April 2025 to 30th Sep 2025

A.	Specific Conditions	Compliance Status				
1)	The project proponent shall implement the recommendation of the Chief Wildlife warden in respect of wildlife conservation plan in respect of 4 species namely Peafowl, Leopard, Python and Indian Lizard.	The proposal for approval of NBWL (FP/RJ/MIN/665/2016) was sanctioned on 30 th September 2020. Also, we are regularly submitting compliance report of the same.				
2)	Plantation shall be carried out as per the mining plan, both concurrent and closer phase reclamation, inter alia, including plantation with not less than 12 feet height native species all along the boundary of the mining lease shall be completed in the ensuing monsoon (Monsoon of 2020), record keeping, gap plantation and grassing as per the directions of the Hon'ble Supreme Court.	We have made various efforts for plantation and developed greenbelt areas all along the boundary of the mining lease. Till date 1,43,558 nos. of plants have been planted in Mines lease area and 92,472 nos of plant have been planted outside lease area. 2000 nos of new plants have been planted during FY 2024-25 & 700 nos of new plants have been planted during FY 2025-26 within mines lease & 1200 nos of new plants have been planted during FY 24-25 & 3250 nos plants have been planted during FY 2025-26 within outside lease. Photographs of the same attached for reference, as Annexure - 1 .				
3)	As committed by the project proponent, Rs. 275 Lakhs shall be allocated towards Corporate Environment Responsibility (CER) for the commitments made on the issues raised in PH to be implemented in a period of three years and record for the same shall be maintained and audited and reported to the Regional Office of the Ministry along with the compliance reports.	We have allocated ₹ 275 lakhs for CER as per the commitments made by us on the issues raised in PH. Our dedicated CSR team is engaged in fulfilling various community requirements and activities are accordingly planned and implemented in nearby villages of our operational sites. Details of activity during the year 2025-26 (up to Sep, 2025) is enclosed as Annexure - 2 .				
4)	Total excavation shall not be more than 6.660 Million TPA and corresponding ROM is 4.963 Million TPA including Crusher waste.	We would restrict to total excavation of 6.660 MTPA corresponding to ROM of 4.963 MTPA. The total excavation during April 2025 to Sep 2025 is 1.7484 million tons, including 0.0013 million tons crusher waste. During F.Y. 2025-26 limestone production is as below: - <table><tr><th>Period (2025-26)</th><th>Production Limestone (million ton)</th></tr><tr><td>Apr. 25 – Sep. 25</td><td>1.7471</td></tr></table>	Period (2025-26)	Production Limestone (million ton)	Apr. 25 – Sep. 25	1.7471
Period (2025-26)	Production Limestone (million ton)					
Apr. 25 – Sep. 25	1.7471					

5)	No blasting shall be carried without permission from the Hon'ble Supreme Court and abide the interim orders of the Hon'ble Court, Meanwhile, shall carry out the mechanical excavation of rocks without blasting with ripper attached to excavators, Surface Miner, Terminator& Rock Breaker etc.	Blasting operations are being stopped against the Order of Hon'ble High Court of Jodhpur, Rajasthan dated 25.5.2012, SLP is filed in Hon'ble Supreme Court and in an interim decision, on 29.7.2013 mechanical mining without use of explosives has been permitted, no blasting will be carried out prior to permission from the Hon'ble Supreme Court.
6)	No groundwater intersection shall be made without permission from the CGWA.	We are having the NOC of CGWA (No.-CGWA / NOC/MIN/REN/1/2025/11545) for dewatering seepage and ground water from mining pits. Attached as Annexure- 3 .
7)	Total water requirement for project after expansion shall not be more than 1505 KLD, which shall be met from the mine sump water thus there shall be no ground water abstraction except for drinking.	The complete water requirement for the mining activities is being met from the existing mines sump water only.
8)	As per the EIA Report, the limestone shall transport only through the overland conveyor system from the crusher to the cement plant.	Crushed limestone is being sent to our own Cement plant through covered over-land conveyor system and it will be continued.



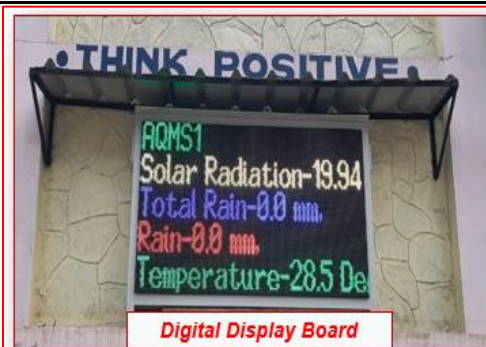
Covered OLBC for Transportation of Crushed Limestone

9)	Effective dust control measures shall be taken at the crusher and transfer points along the conveying system.	Water spraying arrangement through nozzles has been provided at Hopper and Impactors, along conveyor belts and other material transfer points in the crusher. Dust suppression is done in crusher hopper and all material transfer points. Automatic dust suppression is in practice on loaded dumpers before unloading to crusher hopper. Flexible rubber curtains have been provided to cover the hopper, which helps in arresting the dust generated during unloading of limestone at crusher hopper. The crusher is housed in a specially designed chamber which prevents dispersal of dust in atmosphere. Dust extraction and collection system (BDC) is also installed. List of APCE installed is enclosed as Annexure-4 .
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B.	Standard Conditions	Compliance Status
I.	Statutory compliance:	
1)	The EC granted to the project is strictly under the provisions of the EIA notification 2006 and its amendments. It does not tantamount / construe to approvals / consent / permissions, etc. required to be obtained under any other Acts / Rules / Subordinate legislations, etc., as may be applicable to the project.	Noted for compliance.

2)	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Noted
3)	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 & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Noted
4)	The Project Proponent shall follow the mitigation measures provided in MoEFCC's 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".	Noted
5)	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.	Noted
6)	State Pollution Control Board / Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office / Tehsildar's Office for 30 days.	Noted
7)	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 maybe forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied with, EC granted by MoEF&CC has been published and widely circulated in newspapers, Dainik Bhasker and Rajasthan Patrika on 19.08.2020 and copy of the advertisement has been sent to MoEF&CC Regional office Lucknow vide letter no – BCW / Env / L-5 / 1014 dated 20.08.2020.

8)	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Noted
II.	Air quality monitoring and preservation	
9)	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, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PC1/1, 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.	<p>We have installed 3 NOS, CAAQMS at mines and the data are continuously being transferred to SPCB & CPCB as well as displayed at main gate of mine site.</p> <p>Also monitoring has been carried out by MoEF&CC recognized laboratory at 8 established locations.</p> <p>Ambient air quality monitoring data are within the limits, data enclosed as Annexure-5.</p>



10)	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metaled 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 equipment/ 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.</p>	<p>For prevention of dust generation and fugitive emission Water sprinkling is done regularly at loading, unloading and transfer points.</p> <p>At haul and transport road water sprinkling is being done through mobile water tanker and at Crusher area two tanker are continuously deployed for dust suppression. Two nos of automatic fogging machines are also used for dust suppression</p> <p>Ambient air quality monitoring is carried out regularly and parameters are within the limits. Monitoring data enclosed as Annexure – 5.</p>
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Permanent water sprinkler system for Dust Suppression on Haul Roads



Haul Road regular graded



Water tanker regular running

Automatic water spraying system in Loaded Dumper / Tipper




III.	Water quality monitoring and preservation	
11)	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	We are having the NOC of CGWA (No.-CGWA / NOC/MIN/REN/1/2025/11545) for dewatering seepage and ground water from mining pits. Attached as Annexure- 3 .
12)	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. 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.	<p>Not applicable in our case as there is no springs and perennial nallahs flowing in and around the mine lease. Ground water is being monitored for the wells around the lease area by establishing a network. Four numbers piezometer wells have been installed for monitoring.</p> <p>Monitoring of water level from wells surrounding mining lease is done 4 times in a year and chemical analysis has been carried out through MoEF&CC recognized laboratory data enclosed as Annexure - 6.</p>



Ground water is being monitored for the wells around the lease area by establishing a network of four piezometer wells.



13)	<p>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.</p>	<p>Regular monitoring of water quality and ground water level is being carried out.</p> <p>Ground water is being monitored for the wells around the lease area by establishing a network. Four numbers piezometer wells have been installed for monitoring.</p> <p>Monitoring of water level from wells surrounding mining lease is done 4 times in a year and chemical analysis has been carried out through MoEF&CC recognized laboratory data enclosed as Annexure - 6.</p>
14)	<p>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 and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-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.</p>	<p>There is no springs and perennial nallahs existing and flowing in and around the mine lease. We are conducting regular monitoring of natural water course/ water resources and nallahs around the mine lease to ensure that no natural watercourse shall be obstructed due to any mining activity.</p> <p>Ground water is being monitored for the wells around the lease area by establishing a network.</p> <p>Monitoring is done 4 times in a year and chemical analysis of samples collected is carried out by NABL Accredited lab.</p> <p>Also installed Four number of Piezometers for ground water monitoring.</p>
15)	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board at a suitable location near the main gate of the Company. The circular No 20012 / 1 / 2006-IA.II</p>	<p>No polluted water is being generated from the mines.</p> <p>The mine workshop is having zero discharge and there is no waste water generation from the mines hence treatment is not required. Oil and grease are regularly skimmed off and clean water is re-circulated.</p>

	(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	
16)	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 MoEF&CC annually.	<p>Rain water harvesting pit in around 18 hectares area is developed to store around 4.0 lac m³ of water. Rain runoff water is being used in harvesting pits.</p> 

Rain Water Harvesting Pit



SURJANA PIT



BHERDA PIT

17)	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.	There is no wastewater generated from mines. HEMM washing generates wastewater and to overcome this a system has been developed in which oil and grease are regularly skimmed off, and clean water is re-circulated, oil separator photo attached as Annexure – 7 .
18)	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 MoEF&CC and State Pollution Control Board/Committee.	We are regularly conducting the Water audit for the project area to further reduce consumption of water. We are taking technical consultancy of CII-Triveni Water Institute to carry out Water balancing & water auditing.

IV.	Noise monitoring and prevention	
19)	The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	We will comply it once the blasting activity will resume in our mining project. As per the restriction of Hon'ble Court, blasting operations being stopped and against the Order of Hon'ble High Court of Jodhpur, Rajasthan dated 25.5.2012, SLP is filed in Hon'ble Supreme Court and in interim decision, on 29.7.2013 mechanical mining without use of explosives has been permitted, final decision is awaited.
20)	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.	We are continuously monitoring illumination and sound at night as per DGMS parameters to ensure no disturbances to the habitants due to mining operations.
21)	The Project Proponent shall take measures for control of noise levels below 85 dB 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.	<p>All necessary PPEs are made available along with regular training & awareness program on safety & health aspects. Noise level monitoring is also being conducted regularly.</p> <p>Regular maintenance of HEMM is being ensured for smooth working. Lubrication and maintenance are routine activities for all HEMM.</p>
V.	Mining plan	
22)	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.	Noted for compliance. Mining is being performed as per approved mining plan.

23)	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.	Noted for compliance.
VI.	Land Reclamation	
24)	The Overburden (O.B.) and waste 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 dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.	Noted for compliance.
25)	The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.	Noted
26)	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.	Waste dumps are active; however, we are covering slope portion of dumps with grass seeding where ultimate dumping is being carried out. We are also using sand bags on rain cuts to prevent soil erosion. Photograph of stabilized dumps and bund is enclosed as Annexure- 8 .

27)	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.	Catch drains and siltation ponds of appropriate size have been constructed to arrest silt and sediment which may flow from soil, OB and mineral dumps. Dumps are small in size; hence this problem is not acute. The drains are being regularly de-silted. Garland drain of appropriate size, gradient and length has been constructed along all dumps.
28)	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% 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.	Main dumps are rock dumps with associated clays. Dumps are small in dimensions and rain fall is less in this area, hence wash offs of dumps are not an acute problem. However, garland drain structures are constructed around overburden dumps to prevent storm runoff and sediment flow into surrounding water bodies.



Garland drains structures are constructed around the over burden dumps



Garland Drain Along Dumps



Rain Water Flowing in Garland Drain



Settling Tanks in 1.50 Hect.



Settling Tanks Goggle Image

- | | | |
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| 29) | The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose. | In most of the lease area limestone is outcropping on surface and quantity of top soil is meager. However, whatever generating is being used directly at the lease boundary for plantation. |
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VII. Transportation

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| 30) | 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. | Two water tankers of 15 KL capacity and one of 25 KL capacity are in operation and on each tanker pumps and rain guns have been provided for pressurized spray.

Automatic dust suppression is in practice on loaded dumpers before unloading to crusher hopper. Dust suppression is done in crusher hopper and all material transfer points. Two tankers are continuously plying for dust suppression in each shift. Water spraying arrangement through nozzles has been provided at Hopper and Impactors, along conveyor belts and other material transfer points in the crusher and material conveying system to ensure that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Bag filters are installed at crusher. |
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VIII. Green Belt

31)	<p>The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department / Agriculture Department / Rural development department / Tribal Welfare Department / Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>	<p>We have made various efforts for plantation and developed greenbelt areas all along the boundary of the mining lease. Intensive plantation work has been carried out by us and during 2025-26, 3950 saplings had been planted within lease and outside lease. Also, we had carried out intensive plantation at backfilled and reclaimed area of mining lease, around water body, along roadsides, and in community areas etc. Till date around 2,36,030 nos. of plants have been planted within and outside lease area. We had planted local species such as Neem, Kachnar, Casiasama, Karanj, Amaltas, Awala, Palas, Pipal, Sahjan, Sisam, Bargad, Jamun, Gulmuhar, Aam, Arjun etc.</p>
32)	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble 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 scrupulously guarded/ protected against felling and plantation of such trees should be promoted.</p>	<p>We have been permitted for mining on grazing land under Sec. 89 of Rajasthan Land Revenue Act, 1956 by the State Govt. vide order dated 5.7.1984 passed by Collector, Chittorgarh (Raj.) in Case. No.20/1983 and we are complying the conditions the said order. Further we has also developed alternative areas for grazing by planting doob and sewan grass, baru grass, dhaman grass, hatichara, acacia species, ailanthus, palas etc.</p>
33)	<p>The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.</p>	<p>Our proposal for the approval of NBWL (FP/RJ/MIN/665/2016) was sanctioned on 30th September 2020. After obtaining its final sanction, we have submitted Wildlife conservation plan with the office of Deputy Conservator of Forests. The said wildlife plan is under progress at the office of Deputy Conservator of Forests.</p>

IX.	Public hearing and human health issues	
34)	<p>The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.</p>	<p>We are continuously conducting Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines and maintaining its record properly. Routine health checkup is being done by qualified medical officers for all the workmen.</p> <p>During calendar year 2025 (upto Sep), examination for 153 persons engaged in mines working is carried out Annexure - 9.</p>
35)	<p>The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anemia, Diarrhea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.</p>	<p>Unit is committed towards working for safe and healthy environment. Scheduled health assessment of every worker is being carried out. Company is undertaking Health Risk Assessment for various hazards. The hazards are identified as per the routine activities and sub activities. The Risk mitigation Measures are being undertaken as per the present risk matrix. External safety experts are available to further strengthen the system of zero harm across the company facilities.</p>
36)	<p>The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminum, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure</p>	<p>A dedicated occupational health center being operated with qualified MBBS doctors. Besides this, medical staff is present round the clock. Annual medical checkup is being done for all the workers' health records are being maintained.</p> <p>A team of medical experts from MP Birla Hospital organizes regular camps in the premises of company. The medical team collects samples of all staff and workers for various parameters and after testing, a report is prepared. Expert medical practitioners are advising the deviation found in any as Annexure-9.</p>

	storage of the records including X-ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).	
37)	The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1),Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.	<p>Routine health checkup is being done by qualified medical officers for all the workmen.</p> <p>During calendar year 2025, examination for 153 persons engaged in mines working is carried out. A team of medical experts from MP Birla Hospital organizes regular camps in the premises of company. The medical team collects samples of all staff and workers for various parameters and after testing, a report is prepared. Expert medical practitioners are advising the deviation found in any as Annexure-9.</p>
38)	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Workmen working in mining lease area are being using appropriate PPEs. The PPEs are provided as per DGMS rules. Adequate training-calendar exists and all workmen have to undergone training.
39)	Project Proponent shall make provision for the housing for workers/labours 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, crèche 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.	The expansion is within the existing mining lease area and the workers which are working in mines are residing in well-developed existing housing colony, the housing colony has 500 KLD STP for treatment of domestic water.
40)	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.	The action plans has been prepared and concerns raised during public hearing are being implemented. Separate budget has been sanctioned from management. The progress of the same is being submitted on periodic basis.

X.	Miscellaneous	
41)	The Project Proponent shall prepare digital map (land use & 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 MoEF&CC.	M/s. Compusence Automation, Ahmedabad prepared latest report of land use/land cover analysis for our mining lease Birla Cement Limestone Mine and its buffer zone by using remote sensing techniques, during December 2022 enclosed as Annexure-10 .
42)	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.	Noted for compliance.
43)	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Six monthly compliance reports are being prepared and progress of the same is shared to RO, MoEF&CC and SPCB. Previous six-monthly compliance submitted vide letter number BCW/SD/L-5/277 dated 28 th May 2025.
44)	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, MoEF&CC.	A full-fledged Environment management SD cell with a dedicated lab with qualified manpower headed by AVP Environment exist and are involved in the environment management at site. Four Environment Managers and Geologist are engaged in various environmental improvement plans and program at sites as Annexure- 11 .
45)	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.	Noted
46)	The mining lease holders shall, after ceasing mining operations, undertake re-grossing 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.	Noted

**Birla Cement limestone mine
(Villages Bherda, Jai, Surjana and Nagri)**

**Details of plantation at mines
Within ML and Outside ML**

Sl. No.	Year	Within ML area (Nos.)	Outside ML area (Nos.)	Total (Nos.)	Survival %
1	Total Up To 2014-2015	90643	73547	164190	78%
2	2015-2016	2000	1000	3000	85%
3	2016-2017	2780	2250	5030	84%
4	2017-2018	1500	2600	4100	90%
5	2018-2019	1250	700	1950	91%
6	2019-2020	2250	640	2890	89%
7	2020-2021	29900	2500	32400	89%
8	2021-2022	6215	1785	8000	95%
9	2022-2023	1320	0	1320	92%
10	2023-2024	3000	3000	6000	92%
11	2024-2025	2000	1200	3200	90%
12	2025-2026	700	3250	3950	90%
	Total	143558	92472	236030	

Species:- Neem, Jamun, Peepal, Imli, Amrood, Keshiya, Gulmohar, Kachnar, Seesam, Bargad, Sajan, Mango, Arjun, Karanj, Bad, Kadam, Amaltash, Aakashiya, Belpatra, Amla, Sahjan, Soobabool, Mosambi, Santra, Neebu, Ashoka.

Plantation Activity of FY 2025-26 up to September 2025



Birla Corporation Limited

Units : Birla Cement Works & Chanderia
Cement Works

Corporate Social Responsibility

FY 2025 – 2026

April to Sep-25





LIVELIHOOD PROJECT (SAMRIDDHI)

Geo Hydrological Survey : A geo-hydrological survey was conducted across eight villages—Dhordiya, Nagri, Gurjar Khera, Bheliyakhera, and surrounding areas of the project zone—with the objective of identifying suitable locations for groundwater recharge through the development of recharge shafts/structures.

Methodology and Data Collection:

During the survey, 18 wells were studied in detail to analyze their water levels, geological structure, and recharge potential. The technical team recorded crucial parameters required for aquifer mapping.

- Several locations were identified as feasible for the installation of recharge shafts based on hydrogeological suitability.
- The groundwater level was found to be significantly low in some villages, indicating the urgent need for recharge mechanisms.
- Natural recharge was limited due to hard strata and poor percolation in certain areas, emphasizing the need for artificial recharge systems.



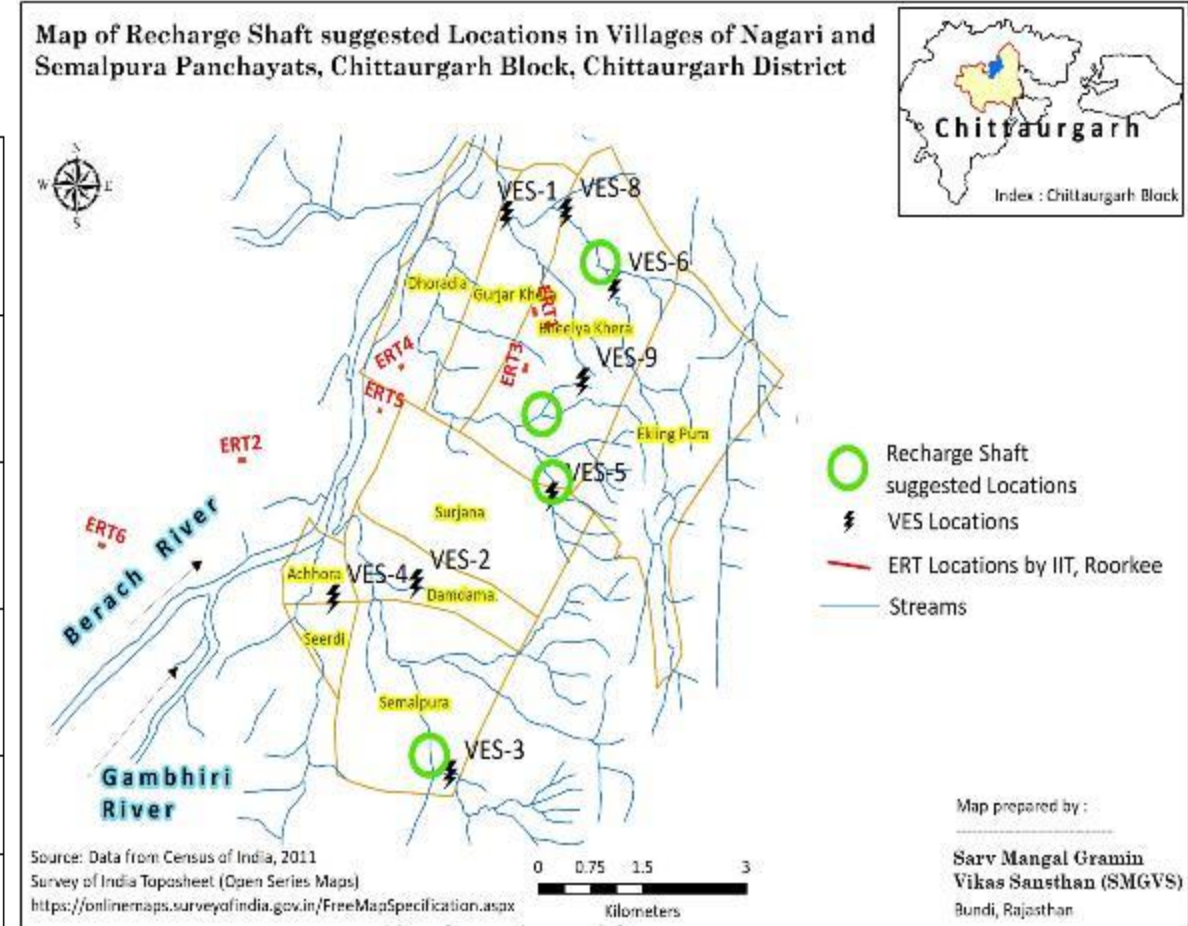
Study conducted by survey team at the sites



Site-by-Site Summary and Interpretation

The following table summarizes the key findings for each of the nine surveyed locations.

Site	Village / Site	GPS Coordinates	Ground Water Potential	Key Geological Feature	Recommended Drilling Depth (m)
1	Surjana VES-5	24° 56.024', 74° 41.593'	Excellent	Extremely deep (100m+) weathered/fractured zone. Huge reservoir.	100 - 110
2	Dhoradiya VES-1	24° 57.958', 74° 41.106'	Excellent	Very deep (100m+) weathered/fractured zone. Huge reservoir.	90 - 100
3	Biliya Kheda VES-6	24° 57.508', 74° 42.050'	Excellent	Deep (50m+) saturated weathered & fractured zone.	60 - 70
4	Semalpura VES-3	24° 54.069', 74° 40.826'	Excellent	Deep (50m+) saturated weathered & fractured zone.	60 - 70
5	Gurjar Kheda VES-8	24° 58.001', 74° 41.612'	Very Good	Classic hard rock profile with good weathered & fractured zones.	50 - 60
6	Seerdi VES-4	24° 55.245', 74° 39.768'	Very Good	Thick (40m) fractured zone below a good weathered layer.	60 - 70



Initiative Overview:

Location : Village Damdama

Support From : Convergence with MGNREGS & Community Participation

Total Plantation: 1900 multipurpose trees planted

Other works :

- Grass plantation and seed sowing were carried out to enhance ground cover and promote ecological balance.
- Pits were excavated for future gap filling to ensure uniform vegetation coverage.

Before (July -24)



After (July -25)



S.no	Activity	Village nos	Coverage
1	Seed Distribution (Ground nut)	10	49 farmers
2	Vegetable Seed Distribution bottle guard & cucumber (55 packt.)	02	13 farmers 05 old 08 new
3	Vermi compost & Maize seeds distribution – 150 kg maize seed for 15 ac. area	03	20 (Through KVK – convergence)
4	FFS training (by Dr. Ratan Lal Solanki (KVK)	10	94 farmers
5	Floriculture cultivation – 7450 plants covered 3.15 biga	3	4 farmers
6	Farmers linked with Automatic Weather App	All villages	165 farmers
7	Village committee meeting	3	VDC members from village
8	Support for marginal families to increase livelihood	04	05



Pasture land site visit by Mines teams



Vermicompost support through govt. schemes



FFS training provided to ground nut farmers



Village Development Committee (VDC) Meeting



FFS training & seed distribution to farmers



Support to farmers towards Marigold flower cultivation



Maize seed support through KVK, Chittorgarh



Vegetable seed distribution to farmers

S.no	Activity	Animal covered	Village nos	HH Coverage
1	01 Goat Vaccination camp (Through Veterinary Department, Chittorgarh) 01 Goat Vaccination camp	631 422	2 4	62 79
2	Animal health camp	1009	4	143
3	Manger Construction		1	2
4	Training session on Animal Husbandry by Dr. Mukesh Kumar Meena, a veterinary officer, Chittorgarh		2	47 farmers



Organize animal health camp at Dhordiya village



Free Goat vaccination under project village



Construction of manger for animals



Capacity building training program on animal husbandry

ANKURAM (Health) : Mother & Child Health Care Programme

S.n o	Activities	Village covered	Total beneficiaries
1	Training of Pregnant, Lactating & anemic women	04	88
2	Promotion & Demonstration of staple food items & dish preparation	06	140
3	Meeting of Adolescent Girls	04	75
4	Convergence Camp	02	126
	Tool Kit Support to AWC	01	80
5	Hemoglobin Test of pregnant and lactating women and Adolescent girls	10	200
6	Healthy Baby Show (Pregnant/Lactating women)	03	58
7	General Nutritious food packet distribution to pregnant, lactating mothers (Anemic & SAM/MAM mothers)	All targeted village	125
8	Demonstration cum promotion of household level kitchen garden	All targeted village	185
9	Nukkad Natak	01	73



Training of Pregnant, Lactating & anemic women



Training on Staple food conducted at AWC



Training on PRE & POST CARE to Pregnant & Lactating women



Regular training session with CBO members



Healthy baby show program



Meeting with pregnant, lactating mothers at AWC



Adolescent girls awareness session given by CBO members



AWC tool kit to ICDS Dept.



Nutritious food packet distribution



Convergence camp at village



Kitchen garden seeds distribution



Hemoglobin Test



Nukad natak / street play

Supplementary Education class:

- Supplementary Education centers at Acchora, Gujarkhera, Chanderia & Shirdi
- Total centers New : 03 & 01 Old
- Covered Students : 132 nos.
- A new supplementary coaching class was inaugurated at Chanderia Higher Secondary Girls School under a pilot project initiated by Birla Corporation Limited under its CSR Program. The objective of this initiative is to provide free academic support to Class 10th girls, helping them improve their performance in board examinations and reduce dropout rates.



Inauguration of Supplementary center at Chanderiya



SKILL DEVELOPMENT PROJECT (SAKSHAM)

FREE COMPETITION EXAM COACHING & SKILL ENHANCEMENT:

- ❑ Batch size: 40 youths
- ❑ Average Attendance: 86%
- ❑ The program offers comprehensive subject preparation, including General Studies, Mathematics, and Reasoning, through a combination of smart classes, physical sessions, and access to quality educational resources.
- ❑ Applied for Upcoming Govt Exam :
 - BSTC – 06
 - Patwari exams- 03
 - Agniveer Exam - 06



Activity - Safety Measure/ Awareness Training:

To build awareness among farmers about the risks posed by venomous animals (such as snakes, scorpions, and poisonous insects) and equip them with essential first aid knowledge to manage bite or sting incidents effectively and prevent fatalities.

Total Participants: 65

Facilitators: Dr. Anand Sharma – BCW Plant

Activity – Celebration of World Environment day

On June 5, 2025, to commemorate World Environment Day, a series of impactful activities like tree plantation, Poster Making & Skit at Anganwadi Center, Manpura , etc. were organized under CSR. These initiatives aimed to foster environmental awareness and community participation.

Activity – Celebration of International Yoga day

On June 21, 2025, International Yoga Day was celebrated with the adolescent girls of village Shidi along with Anganwadi workers - the event aimed to promote the importance of physical and mental well-being among the girls through the practice of Yoga.



Safety training to women farmers in village Damdama



Plantation on the occasion of World Environment day in village Damdama

Activity - Safety Awareness session on CSR safety SoP :

A focused awareness session on CSR - Safety Standard Operating Procedures (SOPs) was organized by the Safety Department of the Chanderia unit. The session was specifically designed for the CSR team, NGO partners project Team and associated vendors to reinforce safety protocols in all CSR-related activities.



Safety training to women farmers in village Damdama

Activity - Safety awareness session for farmers :

Safety training was organized with the objective of increasing awareness and knowledge to promote safety and protection among community members. The training was conducted in the village of Surjana, where a total of 45 farmers participated in the safety awareness session.



Safety awareness session for farmers

At Birla Corporation Limited (BCL) under its CSR wing, we observed “Swachhata Hi Seva” campaign from September 15 to October 2, 2025 to invoke a spirit of cleanliness & sanitation among the students and community in the surrounding villages at Chanderia Unit.

Under the theme of this year's we organised various events keeping in mind the importance of cleanliness and sanitation in schools and communities. The program were followed by :

- Rally on Swachhata Seva
- Clean School Campus campaign

During the program total 195 nos. of students, teachers & community members, BCL Mines team were participated.



Poster making competition at school



Rally on Swachhata hi Seva

Case Study: Empowerment Through Self-Help Group - The Journey of Rina Kanwar

Rina Kanwar, a resident of Dhordia village in Chittorgarh district, is a shining example of how community-based women's empowerment initiatives can transform lives. Belonging to a family of eight and coming from a background of subsistence farming, Rina faced significant financial hardships before joining the Self-Help Group (SHG) supported under the BCL CSR initiatives.

After becoming an SHG member, Rina actively engaged in multiple livelihood activities, which significantly improved her family's economic condition. She currently serves as a Pashu Sakhi (livestock assistant), earning ₹2,000 per month, and also manages bookkeeping responsibilities for the Ajeevika program. Additionally, through the Sakhi Project, she receives ₹400 for conducting each training sessions on health and hygiene, spreading crucial awareness among rural women.

Alongside four other SHG members, Rina has also started a papad-making business, from which she earns between ₹4,000 to ₹5,000 per month. This multi-source income has not only provided financial stability but has also instilled a strong sense of confidence and leadership in Rina.

Today, she is an active contributor to her household and a role model in her community, demonstrating the real impact of women's collective empowerment and diversified livelihoods through self-help groups.



Case Study : Karma Kumawat

Age: 35 yrs.

Village: Bhiliyakheda, Chittorgarh

Category: School Dropout Girl

Karma Kumawat, a mother of two from Bhiliyakheda village, had dropped out of school eight years ago. Determined to improve her family's future, she aspired to resume her education despite managing household responsibilities. With encouragement from the team under the BCL CSR Program, she enrolled in open schooling to complete her 12th grade.

Balancing studies and family life was challenging, but with consistent support from BCL — including exam registration and academic guidance — Karma successfully passed all her exams. Inspired by this achievement, she has now applied to the fourth category (Rajasthan Govt. 4th grade job) of her education.

Karma's story highlights the transformative power of education and reflects a growing awareness in her community about women's empowerment. Her journey continues to inspire other women to pursue learning and self-reliance through the BCL CSR initiative.



Employee Volunteerism

- Employees imparted sessions under EV on different programs:

Parameters	UoM	Till Sep'25
Employees Engaged	No	67
EV Man-Hours	Hours	201

- EV Support: under Civil works, CSR activities, health camp etc. by HR, Emt., Civil Deptt., Mines under CSR work.



Mines team participation in world environment day



Safety training session at CSR sites



Environment team participation during Aquifer survey study



Mines team conducting Swachhata hi Seva program

Thank You



Annexure - 3

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:		M/s Birla Corporation Limited					
Project Address:		M/s Birla Corporation Limited, Birla Cement Limestone Mine					
Village:		Jai		Block:		Chittaurgarh	
District:		Chittorgarh		State:		Rajasthan	
Pin Code:							
Communication Address:		M/s Birla Corporation Limited, Birla Cement Limestone Mine, Chittaurgarh, Chittorgarh, Rajasthan - 312001					
Address of CGWB Regional Office :		Central Ground Water Board Western Region, 6-a, Jhalana Doongri, Jaipur, Rajasthan - 302004					

1. NOC No.:	CGWA/NOC/MIN/REN/1/2025/11545	2. Date of Issuance	30/04/2025
3. Application No.:	21-4/9633/RJ/MIN/2018	4. Category: (GWRE 2024)	Over Exploited
5. Project Status:	Existing With Additional Ground Water Requirement	6. NOC Type:	Renewal
7. Valid from:	15/07/2023	8. Valid up to:	14/07/2027(Extended Validity)

9. Ground Water Abstraction Permitted:							
Fresh Water		Saline Water		Dewatering		Total	
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year
0.00	0.00			3800.00	1292000.00	3800.00	1292000.00

10. Details of ground water abstraction /Dewatering structures													
Total Existing No							Total Proposed No						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Dewatering Structure*	0	0	0	0	0	4	0	0	0	0	0	0	

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

11. Ground Water Abstraction/Restoration Charges paid (Rs.):	24262085.00			
12. Environment Compensation (if applicable) paid (Rs.):	0.00			
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
		Manual	DWLR**	DWLR With Telemetry
**DWLR - Digital Water Level Recorder	2	0	1	1

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

CENTRAL GROUND WATER AUTHORITY

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

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पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

CENTRAL GROUND WATER AUTHORITY

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Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

**पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE**

CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

Receipt

(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)
<https://cgwa-noc.gov.in>

Application No.:	21-4/9633/RJ/MIN/2018	Date of Issuance:	30/04/2025
Name of Firm:	M/S BIRLA CORPORATION LIMITED		
AppType Category:	Limestone		
Application Type:	Mining		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	5000.00
2.	Ground Water Abstraction charges	0
3.	Ground Water Restoration charges	24262085.00
4.	Environmental Compensation Charges (ECRGW) (Date From to) Days-	
5.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
6.	Adjustment Charges	
7.	Rebate	
8.	Charges for correction/modification in the existing issued No Objection Certificate	
S.No.	Description	Rate
(i)	Change in User ID	Rs. 1000
(ii)	Change in firm Name	Rs. 5000
(iii)	Extension of No Objection Certificate	Rs. 5000
(iv)	Issuance of duplicate No Objection Certificate	Rs. 5000
(v)	Issuance of corrigendum to No Objection Certificate	Rs. 5000
(vi)	Any other items/correction etc.	Rs. 500
Rs. Rupees Two Crore Forty Two Lakh Sixty Seven Thousand Eighty Five Only		24267085.00

This is an system generated invoice, hence, does not require ink signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Term and conditions:

- i. All disputes are subject to Delhi Jurisdiction.
- ii. Any complaint in regard to the rates will not be entertained.

Member-Secretary
CGWA, New Delhi

CENTRAL GROUND WATER AUTHORITY

DETAILS OF AIR POLLUTION CONTROL EQUIPMENT (A.P.C.E)

Sr. No.	Section/ Location	APCE Installed	Total Numbers
1.	Mines	1. Water sprinklers	4
		2. In-built water Injection system in drill machines	4
		3. Hydraulic rock breakers & Splitters	11
2.	Crusher	1. Water spraying system	7
		2. BDC (Bag Dust Collector)	1
3.	OLBC	B.D Cs (Bag Dust Collectors)	2
Total number of A.P.C.E.			29





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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625008

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 46.00" N ,74° 40' 18.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Core Zone (Near Mines Admin Office)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	83.6	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	39.8	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.9	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	18.7	80	IS 5182:Part 6(2006)RA2018

Note:

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- The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Neelima

Neelima jain
(Tested By)



S.K. Vyas

S.K.Vyas
(Authorized Signatory)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625009

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 58' 04.00" N ,74° 41' 47.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Core Zone (Near Nagri Mines CAAQMS)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	85.7	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	40.8	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.2	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	19.0	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625010

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 40.00" N ,74° 40' 25.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Core Zone (Near Surjana Mines CAAQMS)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

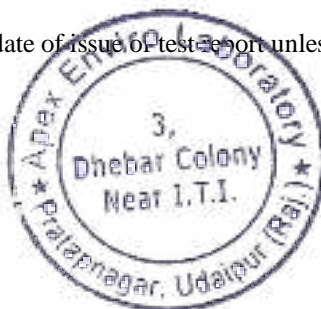
S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	84.1	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	36.6	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.7	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	18.0	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625011

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 55' 34.00" N ,74° 38' 40.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Core Zone (Near bherda Mines pump house)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	85.8	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	42.9	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.2	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	16.6	80	IS 5182:Part 6(2006)RA2018

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625012

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 45.00" N ,74° 40' 21.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Core Zone (Near Crusher)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	84.2	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	40.1	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.9	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	19.2	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625013

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 58' 30.00" N ,74° 41' 23.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Buffer Zone (Nagri Village High. Sec. School)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

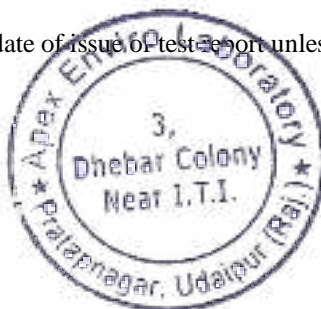
S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	85.9	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	37.3	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.0	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	19.3	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625014

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 39.00" N ,74° 38' 54.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Buffer Zone (Moonga Kheda Village)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	80.6	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	35.0	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.2	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.6	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625015

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 06.00" N ,74° 41' 11.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Buffer Zone (Sanwariya Nagar Village)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	85.8	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	37.3	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.2	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	16.7	80	IS 5182:Part 6(2006)RA2018

Note:

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625016

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 54' 32.00" N ,74° 41' 03.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Buffer Zone (Semalpura Village)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

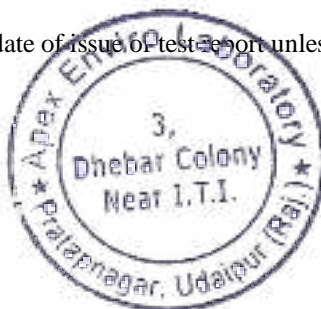
S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	77.5	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	36.9	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.1	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	16.9	80	IS 5182:Part 6(2006)RA2018

Note:

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Neelima

Neelima jain
(Tested By)



S.K. Vyas

S.K.Vyas
(Authorized Signatory)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No. :- AAQ-20250625017

Issued to :- M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 57' 24.00" N ,74° 42' 28.00" E

Type of Monitoring :- Ambient Air Quality

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025 to 25/06/2025

Date of Receipt :- 25/06/2025

Date of Test :- 25/06/2025 to 28/06/2025

Point of sample Collection:- Buffer Zone (Bheelya khera Village)

Sample Collected by :- AEL TEAM

Duration of Sampling :- 24 Hours

Sampling Instrument :- RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol :- Bureau of Indian Standard

Result

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.7°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	85.6	100	IS 5182:Part 23(2006)RA2017
C	Fine Particulate Matter PM2.5 µg/m ³	38.9	60	IS 5182:Part 24(2019)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.6	80	IS 5182:Part 2(2001)RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.0	80	IS 5182:Part 6(2006)RA2018

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Neelima

Neelima jain
(Tested By)



S.K. Vyas

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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927027

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 46.00" N ,74° 40' 18.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near Mines Admin Office)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	78.3	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	39.2	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.9	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	19.4	80	IS 5182:Part 6(2006) RA2022

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Neelima Jain

Neelima Jain
(Tested By)



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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927028

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 58' 04.00" N ,74° 41' 47.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near Nagri Mines CAAQMS)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	84.4	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	36.7	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.7	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.2	80	IS 5182:Part 6(2006) RA2022

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Neelima Jain

Neelima Jain
(Tested By)



S.K. Vyas

S.K. Vyas
(Authorized Signatory)





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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927029

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 40.00" N ,74° 40' 25.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near Surjana Mines CAAQMS)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	81.0	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	38.6	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.7	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.5	80	IS 5182:Part 6(2006) RA2022

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Neelima Jain

Neelima Jain
(Tested By)



S.K. Vyas

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(Authorized Signatory)





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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927030

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 55' 34.00" N ,74° 38' 40.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near bherda Mines pump house)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	80.7	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	38.4	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.5	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	16.9	80	IS 5182:Part 6(2006) RA2022

Note:

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Neelima Jain

Neelima Jain
(Tested By)



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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927031

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 45.00" N ,74° 40' 21.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near Crusher)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	82.6	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	37.5	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.4	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	18.6	80	IS 5182:Part 6(2006) RA2022

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Neelima Jain

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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927032

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 58' 30.00" N ,74° 41' 23.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Buffer Zone (Nagri Village High. Sec. School)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

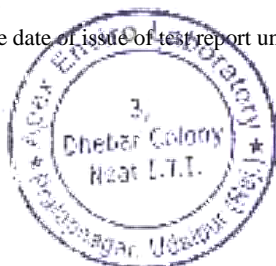
S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	78.1	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	34.0	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.3	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	16.4	80	IS 5182:Part 6(2006) RA2022

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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927033

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 39.00" N ,74° 38' 54.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Buffer Zone (Moonga Kheda Village)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	82.0	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	41.0	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	10.4	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	18.3	80	IS 5182:Part 6(2006) RA2022

Note:

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(Tested By)



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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927034

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 56' 06.00" N ,74° 41' 11.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Buffer Zone (Sanwariya Nagar Village)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

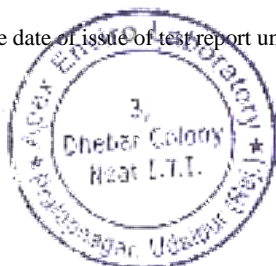
S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	83.9	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	36.5	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	9.0	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.9	80	IS 5182:Part 6(2006) RA2022

Note:

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Neelima Jain

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(Tested By)



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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927035

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 54' 32.00" N ,74° 41' 03.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Core Zone (Near Jai Temple)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	84.5	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	42.3	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	8.9	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	18.8	80	IS 5182:Part 6(2006) RA2022

Note:

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Neelima Jain

Neelima Jain
(Tested By)



S.K. Vyas

S.K. Vyas
(Authorized Signatory)





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TC - 7531

Date:-30/09/2025

TEST REPORT

Report No. - AAQ-20250927036

Issued to - M/s Birla Cement Limestone Mine

District:- Chittorgarh

Location:- In and around of mines

Latitude and Longitude:- 24° 57' 24.00" N ,74° 42' 28.00" E

Type of Monitoring - Ambient Air Quality

Type of Unit - Mine

Date of Sample Collection - 25/09/2025 to 26/09/2025

Date of Receipt - 27/09/2025

Date of Test - 27/09/2025 to 30/09/2025

Point of sample Collection:- Buffer Zone (Near Bherda Villag)

Sample Collected by - AEL TEAM

Duration of Sampling - 24 Hours

Sampling Instrument - RDS AAS 217 BL. Fine Particulate Sampler

Testing Protocol - Bureau of Indian Standard

RESULT

S.No.	Environmental Condition	Observed value		
i.	Temperature(°C)	24.8°±2		
ii.	Humidity (%)	38.0±5		
S.N	Parameter	Observed value	Limits as per NAAQ Standards	Testing Protocol
B	Respirable Suspended Particulate Matter PM10 µg/m ³	77.6	100	IS 5182:Part 23(2006) RA2022
C	Fine Particulate Matter PM2.5 µg/m ³	37.0	60	IS 5182:Part 24 (RA2024)
D	Sulphur Dioxide as SO ₂ µg/m ³	10.3	80	IS 5182:Part 2(2001) RA2023
E	Nitrogen Dioxide as NO ₂ µg/m ³	17.8	80	IS 5182:Part 6(2006) RA2022

Note:

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Neelima Jain

Neelima Jain
(Tested By)



S.K. Vyas

S.K. Vyas
(Authorized Signatory)





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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625059

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Moonga Kheda


Latitude and Longitude:- 24° 56' 40.00" N , 74° 38' 54.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.2	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	445	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	718	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	74	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	410	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	43.2	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	106	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested By)




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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625060

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Damdama

Latitude and Longitude:- 24° 55' 29.00" N , 74° 39' 42.00" E

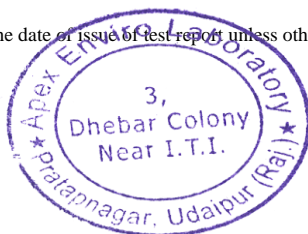
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.15	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	860	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	1450	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	210	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	505	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	52.8	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	256	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625061

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Sirdi

Latitude and Longitude:- 24° 55' 00.00" N , 74° 39' 47.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.20	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	580	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	1031	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	202	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	390	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	31.2	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	180	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625062

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Dhordiya

Latitude and Longitude:- 24° 57' 31.00" N , 74° 41' 17.00" E

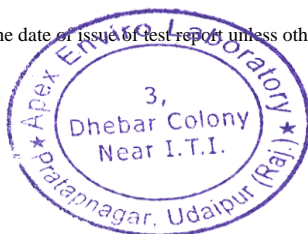
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.30	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	400	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	523	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	48	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	360	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	15.6	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	134	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625063

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Nagri

Latitude and Longitude:- 24° 58' 30.00" N , 74° 41' 23.00" E

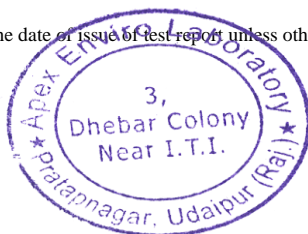
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.7	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	400	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	486	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	53	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	360	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	25.2	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	118	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625064

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Achhora

Latitude and Longitude:- 24° 55' 32.00" N , 74° 40' 31.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.6	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	575	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	818	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	76	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	395	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	39.6	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	164	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625065

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Sanwariya Nagar

Latitude and Longitude:- 24° 56' 07.00" N , 74° 41' 12.00" E

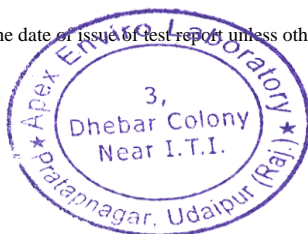
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.8	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	480	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	562	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	42	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	525	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	31.4	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	130	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625066

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Village Semalpura

Latitude and Longitude:- 24° 54' 33.00" N , 74° 41' 03.00" E

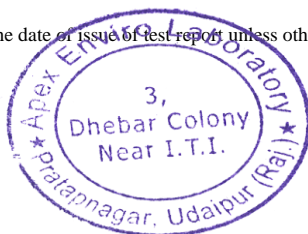
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.55	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	485	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	589	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	63	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	315	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	32.4	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	315	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625067

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Pit Water

Sampling Location:- Village Surjana Mine Pit (Mine Sump)

Latitude and Longitude:- 24° 56' 40.00" N , 74° 40' 25.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.45	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	475	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	612	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	48	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	455	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	22.8	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	152	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
(Tested By)



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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625068

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Pit Water

Sampling Location:- Bharda Mine Pit (Mine Sump)


Latitude and Longitude:- 24° 55' 33.00" N , 74° 38' 39.00" E

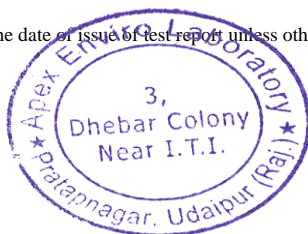
RESULTS


S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	8.0	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	280	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	452	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	65	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	205	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	33.6	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	56	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested By)




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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625069

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Near Mine Admin (Piezometer Well)


Latitude and Longitude:- 24° 56' 46.00" N , 74° 40' 18.00" E

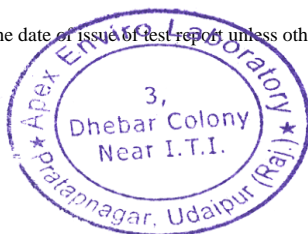
RESULTS


S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.65	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	480	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	608	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	14	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	490	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	48	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	112	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625070

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Behind Contractor Cabin (Piezometer Well)

Latitude and Longitude:- 24° 56' 45.00" N , 74° 40' 20.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.35	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	485	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	611	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	17	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	505	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	50.4	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	110	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625071

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Near Nagri Pit (Piezometer Well)

Latitude and Longitude:- 24° 58' 30.00" N , 74° 41' 22.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.55	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	475	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	624	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	17	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	525	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	52.5	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	114	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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TC - 7531

Date:-28/06/2025

TEST REPORT

Report No.:- W-20250625072

Issued to :- M/s Birla Cement Limestone Mine

District :- Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit :- Mine

Date of Sample Collection :- 24/06/2025

Date of Receipt :- 25/06/2025

Date of Sample Test :- 25/06/2025 to 28/06/2025

Sample Collected by :- AEL TEAM

Type of Sample :- Well Water

Sampling Location:- Near Surjana Pit (Piezometer well)

Latitude and Longitude:- 24° 56' 45.00" N , 74° 40' 21.00" E

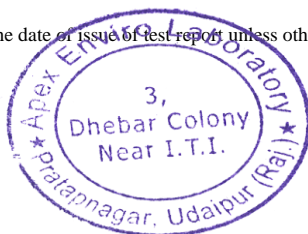
RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				26.4 ±2°C
ii.	Humidity (%)				40.0±5 %
S. No	Parameter	Observed value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limits	
1	pH at 25°C	7.45	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	510	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	608	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	17	200	400	IS-3025 (Part-24): 1986 (RA2022)
6	Alkalinity as CaCO ₃ (mg/l)	490	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	55.2	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	112	75	200	IS-3025 (Part-40): 1991 (RA2024)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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(Tested By)



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TC - 7531

Date -30/09/2025

TEST REPORT

Report No.- W-20250927077

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Moonga Kheda

Latitude and Longitude:- 24° 56' 40.00" N , 74° 38' 54.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.40	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	400	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	646	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	66	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	370	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	38.4	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	96	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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page 1 of 1

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Date -30/09/2025

TEST REPORT

Report No.- W-20250927078

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Damdama

Latitude and Longitude:- 24° 55' 29.00" N , 74° 39' 42.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.40	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	770	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	1305	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	189	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	485	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	48	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	238	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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page 1 of 1

-----END REPORT-----



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TC - 7531

Date -30/09/2025

TEST REPORT

Report No.- W-20250927079

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Sirdi

Latitude and Longitude:- 24° 55' 00.00" N , 74° 39' 47.00" E

RESULTS


S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.60	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	535	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	947	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	186	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	360	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	28.8	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	166	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
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page 1 of 1

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Date -30/09/2025

TEST REPORT

Report No.- W-20250927080

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Dhordiya

Latitude and Longitude:- 24° 57' 31.00" N , 74° 41' 17.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.60	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	380	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	497	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	44	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	340	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	16.8	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	124	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested by)





S.K. Vyas
(Authorised Signatory)

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-----END REPORT-----



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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927081

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Nagri

Latitude and Longitude:- 24° 58' 30.00" N , 74° 41' 23.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.50	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	370	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	449	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	49	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	330	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	24	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	108	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
(Tested by)





S.K. Vyas
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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927082

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Achhora

Latitude and Longitude:- 24° 55' 32.00" N , 74° 40' 31.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.75	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	490	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	696	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	65	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	335	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	36	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	136	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
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Under Environment (Protection) Act, 1986 Vide F.No. 15018/16/2017-CPW

TC - 7531

Date -30/09/2025

TEST REPORT

Report No.- W-20250927083

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Sanwariya Nagar

Latitude and Longitude:- 24° 56' 07.00" N , 74° 41' 12.00" E

RESULTS


S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.60	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	435	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	511	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	38	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	475	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	33.6	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	118	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P.Dashora
(Tested by)




S.K.Vyas
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TC - 7531

Date -30/09/2025

TEST REPORT

Report No.- W-20250927084

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Village Semalpura

Latitude and Longitude:- 24° 54' 33.00" N , 74° 41' 03.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.45	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	380	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	720	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	49	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	245	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	25.2	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	110	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
(Tested by)





S.K. Vyas
(Authorised Signatory)

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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927085

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Pit Water

Sampling Location - Village Surjana Mine Pit (Mine Sump)

Latitude and Longitude:- 24° 56' 40.00" N , 74° 40' 25.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.55	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	378	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	466	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	38	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	365	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	18.72	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	120	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P. Dashora
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Under Environment (Protection) Act, 1986 Vide F.No. 15018/16/2017-CPW

TC - 7531

Date -30/09/2025

TEST REPORT

Report No.- W-20250927086

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Pit Water

Sampling Location - Bharda Mine Pit (Mine Sump)

Latitude and Longitude:- 24° 55' 33.00" N , 74° 38' 39.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.90	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	200	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	320	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	46	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	145	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	24	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	40	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P.Dashora
(Tested by)



S.K.Vyas
(Authorised Signatory)

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END REPORT



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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927087

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Near Mine Admin (Piezometer Well)

Latitude and Longitude:- 24° 56' 46.00" N , 74° 40' 18.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.70	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	0.20	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	400	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	506	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	12	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	410	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	39.6	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	94	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P. Dashora
(Tested by)





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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927088

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Behind Contractor Cabin (Piezometer Well)

Latitude and Longitude:- 24° 56' 45.00" N , 74° 40' 20.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.45	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	384	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	755	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	13	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	400	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	39.84	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	87.2	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

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O.P.Dashora
(Tested by)





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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927089

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Near Nagri Pit (Piezometer Well)

Latitude and Longitude:- 24° 58' 30.00" N , 74° 41' 22.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.60	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	380	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	499	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	14	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	420	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	36.48	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	91.2	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

O.P.Dashora
(Tested by)



S.K.Vyas
(Authorised Signatory)

page 1 of 1

END REPORT



9511588380, 9829161803
9160300850, 9352505728



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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001



Date -30/09/2025

TEST REPORT

Report No.- W-20250927090

Issued to - M/s Birla Cement Limestone Mine

District - Chittorgarh

Address:- Madhavnagar, Chanderia, Chittorgarh-312021

Type of Unit - Mine

Date of Sample Collection - 26/09/2025

Date of Receipt - 27/09/2025

Date of Sample Test - 27/09/2025 to 30/09/2025

Sample Collected by - AEL TEAM

Type of Sample - Well Water

Sampling Location - Near Surjana Pit (Piezometer well)

Latitude and Longitude:- 24° 56' 45.00" N , 74° 40' 21.00" E

RESULTS

S.No.	Environmental Condition				Observed Value
i.	Temperature(°C)				25.4 ±2°C
ii.	Humidity (%)				38.0±5 %
S. No	Parameter	Observed Value	IS 10500:2012		Test Methods
			Acceptable Limit	Permissible limit	
1	pH at 25°C	7.55	6.5 to 8.5	-	IS-3025 (Part-11): 1983 (RA2022)
2	Turbidity (NTU)	BDL<0.1	1	5	IS-3025 (Part-10): 2023
3	Total Hardness (CaCO ₃) (mg/l)	410	200	600	IS-3025 (Part-21): 1983 (RA2023)
4	Total dissolved solids (mg/l)	486	500	2000	IS-3025 (Part-16): 1984 (RA2023)
5	Sulphates as SO ₄ (mg/l)	14	200	400	IS-3025 (Part-24): 1986 (RA2019)
6	Alkalinity as CaCO ₃ (mg/l)	390	200	600	IS-3025 (Part-23): 1986 (RA2023)
7	Magnesium as Mg (mg/l)	44.4	30	100	IS-3025 (Part-46): 1994 (RA2023)
8	Calcium as Ca (mg/l)	90	75	200	IS-3025 (Part-40): 1991 (RA2019)
9	Lead as Pb (mg/l)	BDL<0.01	0.01	No relaxation	IS-3025 (Part-47): 1994 (RA2024)

Note: -

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O.P.Dashora
(Tested by)





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(Authorised Signatory)

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3, Dhebar Colony, Opposite ITI, Pratapnagar, Udaipur 313001

Automatic Water Level Recorder (AWLR) Piezometer
Apr – 2025 to Sep – 2025 Monthly Data

Report Name	<i>Complete Month wise sensor report</i>
project Name	<i>Birla Cement Works</i>
Location	<i>Chittorgarh 1 (Near mines Admin)</i>
Device Name	<i>AWLR (fitted with Piezometer)</i>
Date	<i>Near mines Admin</i>
	Reading(m) Monthly Avg.
Apr-25	13.38
May-25	13.48
Jun-25	12.61
Jul-25	12.56
Aug-25	11.21
Sep-25	10.41

Report Name	<i>Complete Month wise sensor report</i>
project Name	<i>Birla Cement Works</i>
Location	<i>Chittorgarh 2 (Behind contractor camp)</i>
Device Name	<i>AWLR (fitted with Piezometer)</i>
Date	<i>Behind contractor camp</i>
	Reading(m)
Apr-25	21.57
May-25	22.19
Jun-25	19.06
Jul-25	28.49
Aug-25	31.24
Sep-25	23.73

Report Name	<i>Complete Month wise sensor report</i>
project Name	<i>Birla Cement Works</i>
Location	<i>Chittorgarh 3 (Nagri pit)</i>
Device Name	<i>AWLR (fitted with Piezometer)</i>
Date	<i>Nagri pit</i>
	Reading(m)
Apr-25	19.09
May-25	19.25
Jun-25	10.11
Jul-25	11.22
Aug-25	12.85
Sep-25	11.91

Report Name	<i>Complete Month wise sensor report</i>
project Name	<i>Birla Cement Works</i>
Location	<i>Chittorgarh 4 (Anwala Garden)</i>
Device Name	<i>AWLR (fitted with Piezometer)</i>
Date	<i>Anwala Garden</i>
	Reading(m)
Apr-25	9.04
May-25	9.06
Jun-25	9.13
Jul-25	8.86
Aug-25	Fault
Sep-25	8.47



Washing PIT:

The oil water separator is specially designed to separate sludge & oil from dirty water. Enhanced Zero Water Discharge at washing point.

Oil and grease are regularly skimmed off and clean water is re-circulated.

Stone Pitching for Dumps and Bund Stabilization



We have done dump Stabilization through proper benching system in our active dump area and Stone pitching along the haul road to prevent collapse.

MEDICAL EXAMINATION 2025

Medical Examination 2025				
Sr.No	Contractor/Company	IME	PME	Total
1	Bcw Staff			0
2	Bcw Parmanent Worker			0
	Total			
1	Prahlad Singh	2		2
2	Randstad			
3	Sharma Engineering			0
4	Hanumant			0
5	Dinesh Kumar			0
6	Shyam Sunder Sharma			0
7	Shree Sanwariya	57		57
8	Apeksha	82		82
9	L&T	3		3
10	Epiroc	1		1
11	Dcs Tech	3		3
12	Lieb.india			0
13	Raghuraj Construction			0
14	GCPL CAT	5		5
	Total	153	0	153
	G.Total	153	0	153

Land Use / Land Cover Analysis for Mine Lease and Buffer Zones of Birla Cement Limestone Mine of Birla Corporation Ltd. using Remote Sensing Techniques.



Client :
Birla Corporation Limited
(Unit : Birla Cement Works)

Prepared By :
CompuSense Automation, Ahmedabad

December 2022

Environment Management SD Cell

