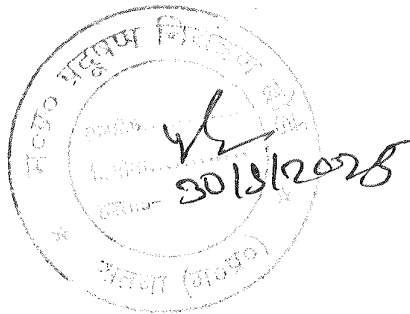


**Your (Half Yearly Compliance Report) has been Submitted with following details**

<b>Proposal No</b>	IA/MP/MIN/64735/2017
<b>Compliance ID</b>	113107875
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/113107875/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)
<b>Submission Date</b>	28-05-2025
<b>RO/SRO Name</b>	Shri Ashok Kumar Sinha
<b>RO/SRO Email</b>	tg035@ifs.nic.in
<b>State</b>	MADHYA PRADESH
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Bhopal

**Note:-** SMS and E-Mail has been sent to Shri Ashok Kumar Sinha, MADHYA PRADESH with Notification to Project Proponent.



To,  
The Addl. Principal Chief Conservator of Forests (C),  
Ministry of Environment, Forest and Climate Change,  
Regional Office (WZ), E-5,  
Kendriya Paryavaran Bhawan,  
E-5 Arera Colony, Link Road-3, Ravishankar Nagar,  
Bhopal-462016.

Date- 28.05.2025

**Subject:** Pagara-Jhiriya Limestone Mine (ML Area:395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) located near Villages – Pagara, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Rampur Baghelan, District – Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Limited- Submission of Half-Yearly Compliance-reg.

**Ref:** Environmental Clearance (EC) granted by MOEFCC, Govt. of India vide letter no. J-11015/58/2017-IA. II(M) dated 26.07.2021.

Dear Sir,

With reference to above subject matter and referred letter, we are herewith submitting point wise Half-Yearly Compliance report of conditions laid down in Environmental Clearance for the period **October-2024 to March-2025** for your kind perusal and record.

Thanking you,

Yours Faithfully,

**For, M/s Dalmia Cement (Bharat) Limited.**



**Dinesh Dixit**  
HOD, Mines



**Encl:** As above

**Cc:**

1. Regional Director, CPCB Zonal Office, Vithal Market, Paryavaran Parishar, E-5, Arera Colony, Bhopal-462016, Madhya Pradesh.
2. Regional Officer, M.P. Pollution Control Board, Satna, Madhya Pradesh.

**Dalmia Cement (Bharat) Limited**

11th & 12th Floor, Hansalaya Building, 15, Barakhamba Road, New Delhi - 110 001, Delhi, India

T +91 11 2346 5100 Toll Free 1800 2020 [www.dalmiacement.com](http://www.dalmiacement.com)

CIN U65191TN1996PLC035963

Registered Office: Dalmiapuram, District- Tiruchirappalli — 621 651 Tamil Nadu, India

A Dalmia Bharat group company, [www.dalmiabharat.com](http://www.dalmiabharat.com)

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

## **Half Yearly Compliance Report of Specific Conditions of Environmental Clearance**

**October 2024 to March 2025**

**EC LETTER NO. J-11015/58/2017-IA. II (M); DATED 26/07/2021**

**Specific EC conditions: -**

<b>Sr.</b>	<b>Conditions</b>	<b>Compliance</b>
1.	The Project Proponent shall carry out the mining only in 187.57 Ha [185.57 Ha permissible mineral extraction area and 2 Ha for setting up of crusher of 500 TPH] only. The area of 208.395 Ha shall be treated as no mining area. In the no mining area only green belt development, afforestation and other protective activities shall be carried out.	<b>Noted.</b> Mining activities will be carried out only in 187.57 Ha. Remaining 208.395 Ha will be treated as no mining area and only green belt development, afforestation and other protective activities will be carried out in accordance to the IBM approved Mining Plan.
2.	The Project Proponent shall install the AQ station at the mine site, villages, from 500m edge of mining lease boundary towards Mini Zoo & White Tiger Safari for monitoring of any impact due to mining for the parameters mentioned.	<b>Noted.</b> This is a Greenfield project and currently the mining activities is limited to initial land development and land purchase. Presently the Land purchased in ML is non-contiguous and in scattered form. Installation of AQ stations as prescribed will be undertaken with advancement of mining activities.
3.	The Project Proponent shall monitor the ground vibration at the site, near the boundary and sensitive receptor during blasting. Villages located in non-mining zone shall be protected from noise and vibration, air pollution by adopting measures as given in the EMP and as per the DGMS.	<b>Noted.</b> Currently, initial land development activities have been undertaken only. Vibration will be monitored at the time of blasting and all necessary protection measures will be undertaken as per EMP and rules/guidelines of DGMS. However, controlled blasting is proposed in 300 m safety barrier from habitation.
4.	The budget of Rs. 2.0 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations.	<b>Being Complied.</b> The mine is in initial stage of land development and land purchase. It will be undertaken as per the Action Plan submitted during appraisal of EC. Following activities as committed has already been undertaken: 1. Construction of the 230m long boundary wall was completed for Patarhai Primary School. 2 Nos steel gate were also fixed. 2. Water Tanker of 5000-liter capacity has been provided to Gram Panchayat Jhiriya Koparihan

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

Sr.	Conditions	Compliance
		<p>3. Drilling of water borewell at village Jhiriya Kothar &amp; Jhiriya Bajpaien</p> <p>4. Support extended during Covid-19 pandemic by distributing masks, sanitizers in all villages. Ration support for 300 under privileged families.</p> <p>5. Imparting training for skill development through Dalmia Institute of Knowledge &amp; Skill Harnessing (DiKSHA) for youths of Pagara, Jhiriya Bajpaien, Jhiriya Kothar &amp; Jhiriya Koparihan villages. Total Cost Rs 9.90 Lakh.</p> <p>Sustainable Livelihood Development Program implementation through Dalmia Bharat Foundation (DBF) for upliftment of Women, Animal Husbandry &amp; Agriculture in Pagara, Jhiriya Bajpaien, Jhiriya Kothar &amp; Jhiriya Koparihan villages. Total Cost Rs 10.93 Lakh.</p> <p>(The details have been submitted earlier with previous compliance report)</p>
5.	The Project Proponent shall return each block within 2 years after completion of each activity at each block with the proper reclamation for the purpose of agriculture.	<p><b>Noted.</b></p> <p>After reaching at ultimate depth, part of the excavated pits will be backfilled and returned for agricultural purposes within 2 years. Part of excavated pits will be developed as water reservoir for community use.</p>
6.	The Project Proponent shall undertake the plantation in peripheral zone and ensure that the plantation in peripheral zone and plantation along haul roads should be completed within 3 years from the date of commencement of mining operations with at least 90% survival rate. Casualties of the previous year should be replaced other than the saplings proposed to be planted every year. PP shall provide tree guard to maintain the early stages of plant growth. PP shall undertake commercial plantation within 2 years at each block after it is backfilled.	<p><b>Noted.</b></p> <p>The mining activities is currently limited to initial mine development within the permissible area and activity related to land purchase. The Land is purchased in the M.L area is non-contiguous and in scattered form. However, plantation has been started in the purchased land. Soon after the land development activities and required land is purchased, plantation will be taken up in the desired manner.</p> <p>1390 Nos of saplings planted till date upto upto the current compliance period. Photographs showing plantation is attached as <b>Annexure-I</b>.</p>
7.	The Project Proponent shall convert the proposed 1.7 km road into cement road which connects the NH-75 for mineral transportation.	<p><b>Noted.</b></p> <p>Currently, DCBL is in the process of acquiring land to develop a dedicated road for mineral transportation. Presently the Land purchased in ML is non-contiguous and in scattered form. The SDM Rampur Baghelan has issued the order for fixation</p>



Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

Sr.	Conditions	Compliance
		of surface compensation to be payable in lieu of right to enter upon land for carrying out the mining as per the approved Mine Plan.
8.	The Project Proponent shall implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.	<b>Noted.</b> Lands are being purchased in mutual agreement with the land owners and compensation is paid as per the Policy and guidelines of the State Government/Central Government as provided under the law.
9.	The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people.	<b>Noted.</b>
10.	The Project Proponent shall ensure that the water bodies used for community development.	<b>Noted.</b> After reaching ultimate depth, part of excavated pits will be developed as water reservoir for community use.
11.	The Project Proponent shall submit detailed Hydro Geological study for blocks where the water table is intersecting and obtain permission from CGWA before undertaking mining operations.	<b>Complied.</b> Detailed Hydrogeological study have been undertaken by JM EnviroNet Pvt. Ltd. for Hydro-geological evaluation during grant of EC. Ground water intersection is not anticipated in first 15 years of mining as per the study carried out. Prior NOC will be taken from CGWA for intersection of ground water. CGWA NOC has been obtained for ground water abstraction vide NOC no CGWA/NOC/MIN/ORIG/2021/13090 dated 25/09/2021 and it is valid up to 24/09/2023. The extension of NOC validity is valid up to 24.09.2025. <b>A copy of the same is attached in Annexure-II.</b> Hydrogeological Study report was submitted earlier with the previous Compliance Report. Copy of Hydrogeological Study report has been submitted to RO, MOEFCC dated 01.12.2021 and the acknowledgement receipt of the same was also submitted earlier with previous Compliance report.
12.	The Project Proponent should obtain permission for withdrawal of ground water before commencing mining operations.	<b>Complied.</b> CGWA NOC has been obtained for ground water abstraction vide NOC no CGWA/NOC/MIN/ORIG/2021/13090 dated 25/09/2021 which is valid up to 24/09/2023. The extension of NOC validity is granted up to 24.09.2025. <b>A copy of the same is attached in Annexure-II.</b>

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

Sr.	Conditions	Compliance
13.	The Project Proponent should strictly follow the protective measures as suggested by PCCF, MP in the NOC granted vide Letter □.□□□□./□□□□□□/□□□□-81/3928 dated 10.06.2021 regarding the Maharaja Martand Singh Judeo Dev White Tiger Safari and Zoo.	<b>Noted.</b>
14.	Regular surveillance on Silicosis shall be carried through regular occupational health checkup of 1/3 of the persons every year.	<b>Noted.</b>
15.	Project proponent shall examine the possibility of undertaking commercial plantation in consultation with local community within two years.	<b>Noted.</b>

**Standard Conditions: -**

Sr.	Conditions	Compliance
I.	<b>Statutory Compliance</b>	
1.	This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	<b>Noted</b>
2.	The Project proponent complies with all the statutory requirements and judgement 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.	<b>Noted</b>
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 Judgement 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.	<b>Noted.</b>

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

4.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IAJI (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".	<b>Noted.</b>
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.	<b>Complied.</b> <b>Acknowledgement Copies Submitted with previous Compliance report.</b>
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.	<b>Noted.</b>
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 ( <a href="http://www.environmentalclearance.nic.in">www.environmentalclearance.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	<b>Complied.</b> A public notice informing about grant of EC has been published in two newspapers named "Dainik Jagaran and Navbharat" on 4 <sup>th</sup> August 2021 in English as well as in vernacular language i.e. Hindi. <b>Acknowledgement Copies Submitted with previous Compliance report.</b> Newspapers with advertisement have been submitted to the Regional Office of MoEFCC. <b>Acknowledgement Copies Submitted with previous Compliance report.</b>
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.	<b>Noted.</b>
<b>II.</b>	<b>Air quality monitoring and preservation</b>	
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	<b>Noted.</b> Currently, the mining operation is limited to initial land development and land purchase.

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	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/PCUI, 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.	With the start of mining operation at planned <i>capacity</i> , online Ambient Air Quality Monitoring Stations will be established as prescribed to monitor critical parameters relevant for mining operations of air pollution as per the methodology mentioned in NAAQS Notification dated 18.11.2009. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. Monitored data will be displayed in front of the main Gate of the mine site. A copy of AAQ monitoring report is <b>Attached as Annexure-IV.</b>
10.	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.	<b>Noted.</b> The Land purchased in ML is non-contiguous and in scattered form. The mining operation is in the initial stage of land purchase and development. Various measures such as regular water sprinkling will be done on haul road, at loading and unloading points and at transfer points will be undertaken to control fugitive dust emissions with the reasonable capacity operation of the mine. Bag filters and automatic water spray system shall be installed at crusher. Air pollution level will be kept within the standard specified by MoEFCC/CPCB. As the mining activities limited to initial land development and not carried out on regular basis. Water tankers for water sprinkling are hired as and when required during development.
<b>III.</b>	<b>Water quality monitoring and preservation</b>	
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	<b>Noted.</b> Detailed Hydrogeological study have been undertaken by JM Enviro Pvt. Ltd. for Hydro-geological evaluation during grant of EC. Ground water intersection is not anticipated in first 15 years of mining as per the study carried out. Prior NOC will be taken from CGWA for intersection of ground water. However, CGWA NOC has been obtained for ground water abstraction vide NOC dated 25/09/2021. Since, there was no

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	water table shall essentially be based on detailed hydro-geological study of the area.	water abstraction during the validity period of NOC, DCBL has obtained validity extension of existing NOC on up to 24.09.2025. <b>A copy of the same is attached as Annexure-II.</b>
12.	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.	<b>Noted.</b> During this compliance period, no major mining activities have been undertaken, it is limited to mine development only. The Land purchased in ML is non-contiguous and in scattered form. However, to monitor the water level and quality, a network of existing wells and installation of new piezo-meters will be established in consultation with concerned department prior to ground water abstraction.
13.	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	<b>Noted.</b> A copy of the same was already submitted with the previous compliance report. Regular monitoring of natural water course/ water resources/ springs and nallahs flowing in and around mine lease is carried out and maintained. Monitoring of Ph is included in the monitoring plan. No obstruction and / or alteration is being made to water bodies.

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.	
14.	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. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	<b>Noted.</b> During this compliance period, no effluent has been generated because of limited activities. However, the effluent generated from workshop, will be monitored regularly and monitored data will be uploaded/ displayed as prescribed.
15.	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	<b>Noted.</b> Hydrogeological Study including Rain Water Harvesting Plan has been prepared and submitted to CGWA along with the application for NOC. CGWA NOC has been obtained vide NOC dated 25/09/2021. Since, there was no water abstraction during the validity period of NOC, DCBL has obtained the validity extension of NOC up to 24.09.2025. <b>A copy of the same is attached as Annexure-II.</b> Rain water harvesting plan which was submitted to CGWA and will be implemented. <b>Acknowledgement Copies Submitted with previous Compliance report.</b>
16.	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.	<b>Noted.</b> Presently the Land purchased in ML is non-contiguous and in scattered form. Currently, no waste water is generated as mining activities is limited to initial development and land purchase. However, in future it will be ensured that the effluent generated from the workshop when established, will be treated properly to conform to the prescribed standards. <b>Copy of Valid CTO renewed upto 31.07.2026 is attached in Annexure-III.</b>
17.	The water balance/water auditing shall be carried out and measure for reducing	<b>Noted and will be complied.</b>

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Presently the mining operations are in initial stage of Land purchase and development. The land purchased is non-contiguous and scattered form.
<b>IV.</b>	<b>Noise and vibration monitoring and prevention</b>	
18.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	<b>Noted.</b>
19.	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.	<b>Noted.</b> Mining operations will be carried out as per approved mining plan and adequate measures such as scheduled maintenance will be carried out to eliminate/reduce disturbance and noise within prescribed limits of day/night hours from the nearby habitation.
20.	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.	<b>Noted and Being complied.</b> At present mining activities are limited to initial mine development work only. The workings are carried out at very meagre level hence noise generation is well below prescribed limits. Additionally, One water tanker is engaged in the suppression of dust whenever required.
<b>V.</b>	<b>Mining Plan</b>	
21.	The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various	<b>Noted.</b> Mining operation including total excavation, mining technology; scope of working, dump management etc. will be carried out in accordance with the approved Review of mining plan.

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	stages of mining scheme as well as end-of-life; etc.	
22.	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-à-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.	<p><b>Noted.</b></p> <p>Mining operation and reclamation-rehabilitation of mined out area will be carried out in accordance with the approved mining plan.</p> <p>Land use of the mine lease area at various stages of mine lease and at end of life will be carried out as per approved Mining Plan.</p>
<b>VI.</b>	<b>Land reclamation</b>	
23.	The Overburden (O.B.) 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.	<p><b>Noted.</b></p> <p>There is no dump formation during compliance period. As per the Approved Mining Plan, over burden will be stacked in temporary dump and will be used for backfilling/construction of mine road/crusher ramp. It will be stabilized by proper sloping, benching, grassing etc. The physical parameters of the dumps will be maintained as per the approved Mining Plan and guidelines/ circulars issued by D.G.M.S.</p> <p>Top soil will be used in plantation and as topping on the backfilled area for plantation.</p>
24.	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.	<p><b>Noted.</b></p>



Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

25.	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.	<b>Noted.</b> No dump has been formed during this compliance period. No run off of water and flow of sediments has occurred directly into the water bodies. The drains are De-silted after the monsoon season and maintained.
26.	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.	<b>Noted.</b>
<b>VII.</b>	<b>Transportation</b>	
27.	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to	<b>Noted.</b> No transportation of minerals outside lease area has been undertaken during this compliance period. However, for transportation, vehicles with valid PUC certificates issued by authorized pollution testing centers will be engaged whenever it happens.

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].	
28.	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	<p><b>Noted.</b></p> <p>Currently, the mining activities are intermittent and not carried out on regular basis. Therefore, water tankers are hired as and when required during development. With the advancement of mining operation, all the measures shall be implemented as per the provisions of EMP given in EIA/EMP report to control fugitive dust emissions such as permanent water sprinkling arrangement at the main haulage road, water sprinkling at loading &amp; unloading points, Bag filters/dry Fog System and automatic water spray system at crusher etc.</p>
<b>VIII.</b>	<b>Green Belt</b>	
29.	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	<p><b>Noted.</b></p> <p>The mining activities is currently limited to initial mine development within the permissible area. A Safety barrier (No mining zone) of 7.5m is demarcated all along the ML boundary. Soon after, land development activities and land purchase, greenbelt will be developed as per guidelines of CPCB.</p> <p>About 1390 saplings have been planted till date within purchased land in ML.</p> <p><b>Photographs submitted in Annexure-I.</b></p>
30.	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	<p><b>Noted.</b></p> <p>Presently the Land purchased in ML is non-contiguous and in scattered form. No major mining activities except land development work have been undertaken yet due to unavailability of contiguous land. Plantation has been started within ML boundary. However, Consultation with DFO, Satna is</p>

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	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.	also in progress for development of greenbelt/plantation. Acknowledgement Letter towards submission to the concerned DFO was submitted earlier with previous Compliance report.
31.	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 be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	No grazing land falls within ML area.
<b>IX. Public hearing and human health issues</b>		
32.	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic: infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	<p><b>Noted</b></p> <p>Currently, the mining operation is limited to initial land development and land purchase. Presently the Land purchased in ML is non-contiguous and in scattered form. Being mining project, no major construction will be done except mines office, crusher, rest shelter etc. As local people will be engaged during construction phase, provision for housing for workers will not be required. However, all necessary facilities will be provided.</p> <p>During operation phase, local people will be employed. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities will be provided to the laborers. Currently, mining activities is being carried out intermittently with limited manpower and restricted to initial land development and land purchase. At present, it is regulated by a remote office outside the ML area having all infrastructure facilities.</p> <p>Therefore, it is proposed to install portable Bio-toilets at the site to cater to the requirement. However, during later years</p>

Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

		when the mine will be operating at full capacity, domestic waste water will be treated in STP and treated water will be used for plantation purpose.
<b>X.</b>	<b>Corporate Environment Responsibility (CER)</b>	
33.	The Project Proponent shall submit the time-bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&Cc Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Time bound action plan prepared and submitted during grant of EC and mentioned in para no. 17 of EC as per MoEF&Cc Office Memorandum No.22-65/2017-IA III dated 30 <sup>th</sup> September, 2020. <b>Copy already Submitted with previous Compliance report.</b> The mine is in initial stage of land development and land purchase. Presently the Land purchased in ML is non-contiguous and in scattered form. However, few activities have been undertaken which are detailed in Specific EC conditions No. 4.
<b>XI.</b>	<b>Miscellaneous</b>	
34.	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.	<b>Noted.</b> Complied.
35.	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.	<b>Noted.</b> Financial closure of the Project is yet to happen,
36.	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.	<b>Noted.</b> Half yearly compliance reports on the status of implementation of stipulated environmental safeguards to the MoEF&CC & its concerned regional office, CPCB and SPCB.
37.	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.	<b>Noted.</b> Adequate number of qualified Environmental Scientists and Mining Engineers have been appointed to oversee work.
38.	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s)	<b>Noted.</b>

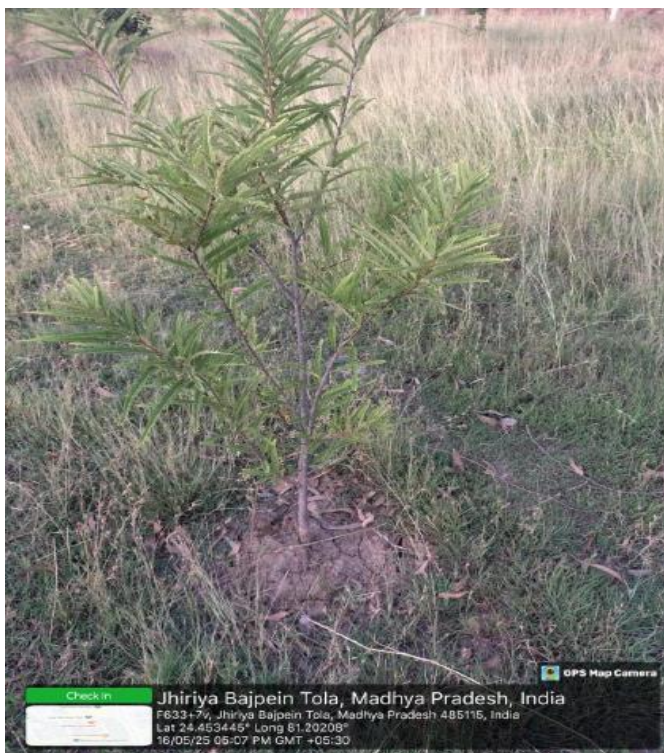
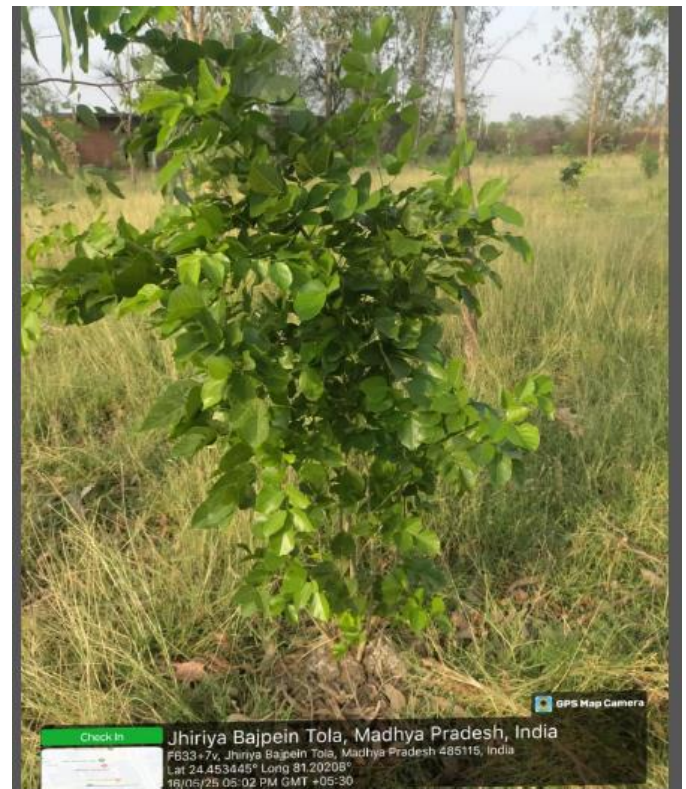
Pagara-Jhiriya Limestone Mine (ML Area: 395.965 Ha including mining area 185.57 Ha, non-mining area 208.395 Ha and area for installation of 500 TPH Capacity of Crusher 2 Ha) with total excavation of 2.41 Million TPA [Limestone: 1.5 MTPA, Soil: 0.56 MTPA and OB: 0.35 MTPA] Located near Villages – Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Koparihan, Tehsil – Amarpatan, District – Satna, Madhya Pradesh

	by furnishing the requisite data / information/ monitoring reports.	
39.	In pursuant to Ministry's O.M No 22-34/2018-IA.111 dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	<b>Noted.</b>
40.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	<b>Noted.</b>
41.	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted.</b>



# Plantation : Pagara-Jhiriya Limestone Mine

## Road Side Plantations



<b>Dalmia Cement Bharat Limited</b>		
<b>Pagara Jhiriya Limestone Mines</b>		
<b>Sr.No</b>	<b>Name of Plant Saplings (Current Year)</b>	<b>No of Plants</b>
1	Amla	20
2	Bahera	20
3	Amrud	10
4	Karanj	300
	<b>Total=</b>	<b>350</b>





5/3/24, 2:47 PM

cgwa-noc.gov.in/Sub/Report/NOCIssuedLetter/NOCIssuedLetterToExtUserPage.aspx



Government of India  
Ministry of Jal Shakti  
Department of Water Resources, River Development and Ganga Rejuvenation  
Central Ground Water Authority (CGWA)



## Application for Issue of NOC to Abstract Ground Water (NOCAP)

## Information

## Guidelines

## Steps for Filling Online Application

## Documents Required

## Documents Required for Online Application

- Industrial
- Infrastructure
- Mining

## Track Status

## Application Status

- Online

## Location

## Area Type

## Segment-B Area Type

## Regional office

## Location

## CGWA Headquarters

## Know Your

## Environmental

## Compensation(EC)

## Know Your Penalty

## Ground Water

## Abstraction/Restoration

## Charges

## Reports

## Applied for NOC -

## Online

## NOC Issued-Online

## Contact Us

## Contact

## List of Issued NOC - Online

Project Name:	Pagara	Application Number:	
State:	MADHYA PRADESH	District:	SATNA
Sub-District:	AMARPATAN	Issue Letter Type :	NOC Letter
Application Type:	Mining	Application Type Category:	Limestone
Captcha Code:	sVnnD4		
Enter Code:			

Show Record

Sr.No.	Type of Project	Renewal	Project Name	Application Number	Project Address	Date of generation of NOC	Ground water Withdrawal m3/Year	Validity Start Date	Validity End Date	Scan Letter	Digital Signed Letter
1	Mining	New	PAGARA- JHIRIYA LIMESTONE 21- MINE_ML AREA- 395.965 HA	4/1071/MP/MIN/2020	LOCATED NEAR VILLAGES- PAGRA, JHIRIYA KOTHAR, JHIRIYA BAJPAIEN AND JHIRIYA KOPARIHAN, TEHSIL AMARPATAN, AMARPATAN, SATNA, MADHYA PRADESH	29/02/2024	22500.00	25/09/2023	24/09/2025		



# M.P. Pollution Control Board

E-5, Arera Colony Paryavaran Parisar, Bhopal - 16 MP Tele : 0755-2466191, Fax-0755-2463742

Annexure- III



## Consent Order

RED-LARGE

CCA-Renewal

PCB ID: 139205

Order No:122751,16/05/2025

Consent No:AW-62213

The Occupier,

M/s. Dalmia Cement (Bharat) Limited, Limestone Mine,Area:395.965 Hect.,

Kh No. : 1000,1001,1002,1004,238,239,801,802,133,134 etc, Latitude : 24.4534 Longitude : 81.2020

Villages:- Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Pagra Tehsil:- Amarpatan, Distt:-

Satna, (M.P.)Latitude : 24.4531 Longitude : 81.2032

**Subject:** Grant of Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981

**Ref:** Renewal of Consent Application R. No. 1406916 Dt. 06/05/2025 and last communication received on Dt.14.05.2025

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/07/2026**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location:** Kh No. : 1000,1001,1002,1004,238,239,801,802,133,134 etc, Villages:- Pagra, Jhiriya Kothar, Jhiriya Bajpaien & Jhiriya Pagra Tehsil:- Amarpatan, Distt:-Satna, (M.P.)
- Mining Lease area:** 395.965 Hact.
- Product & Production Capacity:**

Activity/Product	Qty / year
Mining of Limestone	15,00,000 Metric Ton Per Year

- For any change in above industry shall obtain fresh consent from the Board.
- PP shall ensure that mining is done in sanctioned lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for period till 31.03.2030 & in compliance of the conditions laid in EC granted by MOEFCC vide L. No. J.11015/58/2017-1A.II(M) dated 26.07.2021.
- The project proponent shall follow the mitigation measures as provided in the MoEFCC GoI OM No. Z-11013/5712014-1A.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 & villages are surrounded by the mine lease area.' PP shall also have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in EC granted by the MoEF&CC /SEIAA regarding providing offset from the roads (kuchha or pucca) and development of plantations/green belt.
- PP shall have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in the EC granted by the MoEF&CC / SEIAA, pertaining to distance of mining activity from any residential/public buildings, inhabited sites, National/State Highways/district roads, Railway lines/area, ropeways, bridges, dams /reservoirs or any other water body. Mining to be done as per the site specific guidelines of the DGMS & Explosives department of the GOI . The regulations for danger zone (500 Metres) prescribed by Directorate General of Mines Safety shall also be complied compulsorily and necessary measures should be taken to minimise the impact of mining generated dust, noise and vibrations on the environment.
- Solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by garland drains & settling pits of adequate sizes so that no Soil/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any nallah/river/pond. Top Soil / OB dump shall be biologically reclaimed.
- Evacuation of mineral shall not be through any village or forest area. PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road to prevent dust/noise pollution.
- The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of generated fugitive emissions. Main haulage Road shall be provided with mist forming permanent water sprinklers on both sides to ensure control of dust during mineral transportation.

The Validity of the consent is up to **31/07/2026** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### Enclosures:-

\* Conditions under Water Act\* Conditions under Air Act\* General conditions

- CC to :-
- 1.District Mining Officer, (Mining Section), Collector's Office, **Satna Dist. Satna** (M.P.) for information.
  - 2.Director, Geology & Mining Khanij Bhawan 29-A, Arera Hills, , Bhopal (M.P.) for necessary action please.
  - 3.Regional Officer, Regional Office, MPPCB, **Satna** (M.P.)

By the order of Chairman, MPPCB

Validity unknown

Digitally Signed by: A. A  
Mishra, Member Secretary  
Date: 16/05/2025 06:23:19 PM

ACHYUT ANAND MISHRA  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 79KHF1RBD1

## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

### **Sector Specific Water condition:-**

- 1 Mines shall take effective steps to check the soil erosion from waste material dumping area to prevent siltation problem in near by nalla/river pond during rainy season. All the slopes of external dumps of over burden should be maintained at a maximum of 28 degrees. The check bunds shall be constructing for control of surface run off .
- 2 a. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road.
  - b. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks of suitable sizes shall be provided.
  - c. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season. Mine shall have to inform about the progress regularly to the Board.
  - d. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and other beneficial purposes..
  - e. Regular de-silting of drains and pits should be carried out. Adequate provisions of water for irrigating the plantations shall be made by PP.
- 3 Water sprinkling with adequately designed nozzle which produces tiny droplets of water should be provided during raw materials unloading.
- 4 a. Blasting shall be done preferably .No blasting to be done within 200 meters of any residential housing establishment. PP shall ensure that blasting is done in compliance of various directives issued by Department of Explosives Govt. Of India.
  - b. Controlled blasting should be practiced with use of delay detonators and only during day time between 10.0 AM to 4.0 PM.
  - c. To avoid vibration, no overcharging shall be carried out during blasting, and muffle blasting shall be adopted.
  - d. Top soil/solid waste shall be stacked with proper slope and adequate safeguards; it shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area.
  - e. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area.

**1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 0.500 KL/day**

#### **2. Trade Effluent Treatment:-**

The applicant shall operate and maintain effluent treatment system properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD <sub>3</sub> Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

#### **3. Sewage Treatment :-** The applicant shall operate and maintain Sewage Treatment System properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD <sub>3</sub> Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 75.000	WWG : 12.000	Water Source	Remark
1	Domestic Purpose	5.000	3.000	Borewell	Treated water will be used in plantation
2	Dust Suppression	25.000	0.000	Mine Water	Dust suppression will be done to control fugitive emission
3	Workshop / process ..	10.000	9.000	Mine Water	Workshop-Waste water will be used for Dust Suppression after treatment in oil & grease trap
4	Plantation / Horticulture	35.000	0.000	Mine Water	Plantation will be done in statutory barrier along ML boundary & haul road and on backfilled area.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

Consent No. AW-62213

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

**9. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

**10. Recording of Monitoring Activities & Results-**

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

**11. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

**12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

**13. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

**14. Disposal of Collected Solid waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludge, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

**15. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

**16. Prohibition of Bypass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

**Consent No:AW-62213**

**CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Control equipment to be installed	SPM/RSPM/SO <sub>2</sub> /NO <sub>x</sub> (Time weighted Average)* (µg/Nm <sup>3</sup> )
Loading-unloading, Haul road, Transportation etc.	Fugitive Emission	Dust Collector, Dust Suppressor, Green Belt, Water Sprinkler, Wind Breaking Wall,	Annual average : 430 / 215/80/80 24 hour average : 600/300/120/120

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM10 µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM2.5 µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

**Sector Specific Air condition:-**

1 Controlled blasting should be practiced with the use of delay detonators and only during daytime. The meditative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented. Only wet drilling of holes shall be practiced.

2 Extensive tree plantation shall be carried out in open area available within and around the mine premises and also over burden dumps in consultation with expert agency; Good housekeeping practice shall be adopted.

3 The mine management shall take preventive measures to control Fugitive dust emission from all the sources should be controlled effectively and duly monitored.

4 Water spraying arrangement on haul roads, dump trucks (loading & unloading) point should be provided and properly maintained.

5 Mines management shall have to make suitable arrangement for handling and disposal of solid waste, over burden etc.

6 Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.

7. Mine management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source.

8. Mine management shall establish suitable connectivity of IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc		Re-Use/Sale to M.P. Pollution Control Board's authorized party

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. This consent may not be taken as a measure of proof that mine has not violated pollution control law at any period of time in the past.

11. Mine Management shall comply with all the relevant Acts/Rules, directions, guidelines issued by MoEF/CPCB/ MPPCB from time to time as required and (if applicable).

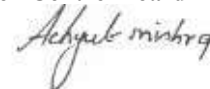
12. Mine Management shall comply with the direction of Hon'ble Supreme Court, National Green Tribunal & Hon'ble High Court issued in the relevant writ petitions.

13. Mine shall have to close down the mining activities in case there is any public complaint regarding health & environmental degradation and Board find the facts correct and direct the mine to do so at any time.

14. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
By the order of Chairman, MPPCB  
M.P. Pollution Control Board



ACHYUT ANAND MISHRA  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 79KHF1RBD1

**Consent No:AW-62213**



**JAY SHRI ENVIRO**  
CONSULTANTS & TRAINING INSTITUTE

401-402, Sector-27,  
Industrial & Trade Area,  
Lucknow - 226021

GSTN: 09ADSPY2115R1ZI

## WATER LEVEL MEASUREMENT REPORT

Report No.: GECRC/NOV/149

Issue Date: 22.12.2024

Name of Customer: M/s Dalmia Cement Bharat Limited

Address of Customer: Pagra Jhiriya, Limestone Mine, Rampur, Baghelan, Satna, M.P.

Measurement by: Mr. Akhand (Field Sampler)

Date of Measurement: 23.11.2024

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Kothar	24°26'57.08"N	81°10'29.74"E	12.30

Verified by

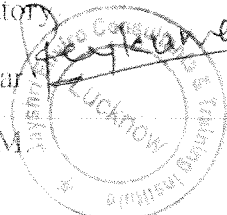
Name: Sanjay Kumar

Designation: Field Supervisor

Authorized Signatory

Name: Rajkumar

Designation: T.M.



Page No.: 01/01



## WATER LEVEL MEASUREMENT REPORT

Report No.: GECRC/NOV/148

Issue Date: 22.12.2024

Name of Customer: M/s Dalmia Cement Bharat Limited

Address of Customer: Pagra Jhiriya, Limestone Mine, Rampur, Baghelan, Satna, M.P.

Measurement by: Mr. Akhand (Field Sampler)

Date of Measurement: 23.11.2024

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Koparihan	24°27'18.20"N	81°11'33.08"E	13.5

Verified by

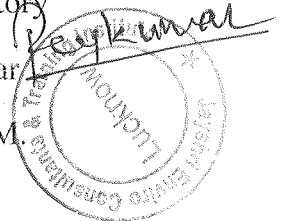
Name: Sanjay Kumar

Designation: Field Supervisor

Authorized Signatory

Name: Rajkumar

Designation: T.M.



Page No.: 01/01





**JAY SHRI ENVIRO**  
CONSULTANTS & TRAINING INSTITUTE



GSTN: 09ADSPY2115R1ZI

## WATER LEVEL MEASUREMENT REPORT

Report No.: GECRC/NOV/147

Issue Date: 22.12.2024

Name of Customer: M/s Dalmia Cement Bharat Limited

Address of Customer: Pagra Jhiriya, Limestone Mine, Rampur, Baghelan, Satna, M.P.

Measurement by: Mr. Akhand (Field Sampler)

Date of Measurement: 23.11.2024

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Bajpaein	24°27'12.56"N	81°12'19.89"E	14.7

Verified by

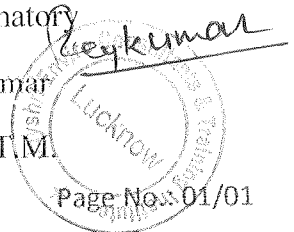
Name: Sanjay Kumar

Designation: Field Supervisor

Authorized Signatory

Name: Rajkumar

Designation: T.M.



Page No.: 01/01

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetgwalior@gmail.com, aetrl2016@gmail.com, aetrlcenter@gmail.com

Web: www.aetrl.com



IC-12750

TEST REPORT  
{Water}

Report No: AETRL/241124W0003

Reporting Date: 30.11.2024

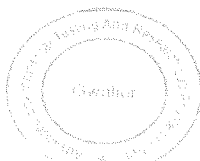
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagra Jhriya Limestone Mine), Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124W0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Pagra (SGWS2)	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, EC, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	IS:3025(Part-1)

## RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.59	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	615.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	380.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	400.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	325.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	442.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	212.5	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	229.5	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	85.0	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	56.0	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	22.5	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	74.6	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	11.2	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.28	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.9	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	BDL<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	BDL<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	3.8	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	BDL<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	BDL<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by:-



\*\*\*\*End of the Report\*\*\*\*

Authorized Signatory:

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- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The results relate to the item sampled and tested.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)  
Approved: by Occupational Health & Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

0751-3566867, 2232177

Email: aelgwalior@gmail.com, aetrcenter@gmail.com

Web: aetri.com



### TEST REPORT (Water)

Report AETRL/241124W0003

Reporting Date: 30.11.2024

Name & Address of Party	M/s Daimia Cement Bharat Limited, (Pagara Jhiriya Limestone Mine), Rampur Baghelan, Satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124W0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Pagra (SGWS2)	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate, Zinc, Coliform	Protocol Used	IS:3025(Part-1)

### RESULTS

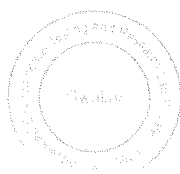
S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	BDL<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0	5	15
3	Total Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

Checked by:

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Authorized Signatory:

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GSTIN: 23AAECA9188L1Z8

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Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetlgwalior@gmail.com, aetri2016@gmail.com, aetricenter@gmail.com

Web: www.aetri.com



IC-12750

TEST REPORT  
(Water)

Report No: AETRI/241124W0002

Reporting Date: 30.11.2024

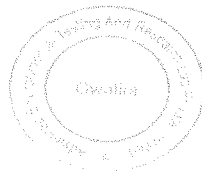
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagra Jhiriya Limestone Mine), Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRI/241124W0002
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 P-01
Sampling Location	Mine site (SGWS1)	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, EC, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	IS:3025(Part-1)

## RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.79	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	648.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	400.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	420.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	340.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	393.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	187.5	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	205.5	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	75.0	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	50.0	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	21.5	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	72.6	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	9.8	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.28	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	1.0	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	BDL<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	BDL<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	3.8	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	BDL<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	BDL<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by:



\*\*\*\*End of the Report\*\*\*\*

Authorized Signatory:

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

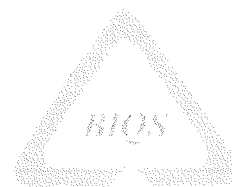
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Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aelgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com



### TEST REPORT (Water)

Report No: AETRL/241124W0002

Reporting Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara Jhriya Limestone Mine), Rampur Baghelan , Satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124W0002
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine site (SGWS1)	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, Coliform	Protocol Used	IS:3025(Part-1)

### RESULTS

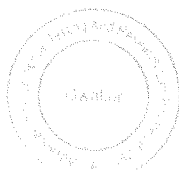
S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	BDL<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0	5	15
3	Total Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

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*[Signature]*  
Authorized Signatory:

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetlgwalior@gmail.com, aetri2016@gmail.com, aetricenter@gmail.com

Web: www.aetri.com



IC-12750

### TEST REPORT (Surface Water)

Report No : AETRI/241124W0015

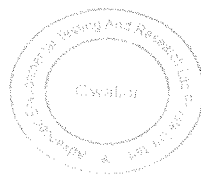
Reporting Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRI/241124W0015
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	IS:3025(Part-1)

### RESULTS

S. No.	Parameter	Unit	Method	Result
1.	pH	-	IS : 3025 (Part-11)	7.77
2.	Conductivity	µS/cm	IS : 3025 (Part-14)	648.0
3.	Turbidity	NTU	IS : 3025 (Part-10)	2.0
4.	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	400.0
5.	Total Solids	mg/l	IS : 3025 (Part-15)	420.0
6.	Total Alkalinity	mg/l	IS : 3025 (Part-23)	245.0
7.	Total Hardness	mg/l	IS : 3025 (Part-21)	262.0
8.	Calcium Hardness	mg/l	IS : 3025 (Part-40)	157.0
9.	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	105.0
10.	Calcium	mg/l	IS : 3025 (Part-40)	62.8
11.	Magnesium	mg/l	IS : 3025 (Part-46)	25.5
12.	Chloride	mg/l	IS : 3025 (Part-32)	24.0
13.	Sulphate	mg/l	IS : 3025 (Part-24)	48.4
14.	Nitrate	mg/l	IS : 3025 (Part-34)	6.8
15.	Iron	mg/l	IS : 3025 (Part-53)	0.08
16.	Fluoride	mg/l	IS : 3025 (Part-60)	0.6
17.	COD	mg/l	IS : 3025 (Part-58)	32.0
18.	BOD	mg/l	IS : 3025 (Part-44)	8.4
19.	DO	mg/l	IS : 3025 (Part-38)	4.6
20.	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.2
21.	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.10

Checked by: \_\_\_\_\_



Authorized Signatory: \_\_\_\_\_

\*\*\*\*End of the Report\*\*\*\*

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

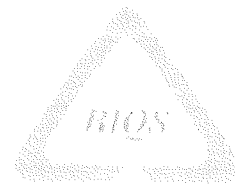
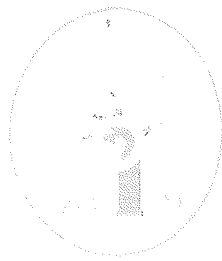
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Gwalior-474 011, M.P., India

0751-3566867, 2232177

Email: aelgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com

TEST REPORT  
(Surface Water)

Report No: AETRL/241124W00015

Reporting Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124W00015
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, Coliform.	Protocol Used	IS:3025(Part-1)

## RESULTS

S. No.	Parameter	Unit	Method	Result
1.	Phosphate	mg/l	IS : 3025 (Part-11)	5.0
2.	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3.	Total Coliform	MPN/100ml	IS : 1622 :1981	920.0

BDL = Below Detection Limit,

Checked by:

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Web: www.aetrl.com



TC-12750

TEST REPORT  
(Soil)

Report No: AETRL/241124S0003

Reporting Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124S0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Composite	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	pH , EC, Organic matter , Phosphorous , Potassium	Protocol Used	IS:2720(Part-1) 1983

## RESULTS

S. No.	Parameters	Unit	Test Method	Results
1.	pH	-	IS : 2720 (Part -26)	7.98
2.	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.420
3.	Organic matter	%	IS : 2720 (Part -22)	1.46
4.	Phosphorous	mg/kg	GECRC/SOIL/TP/14	18.3
5.	Potassium	mg/kg	IS : 9497 :2005	10.4

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GSTIN: 23AAECA9188L1Z8

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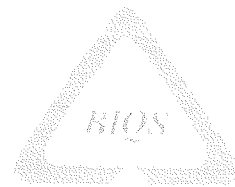
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Web: aetrl.com



### TEST REPORT (Soil)

Report No: AETRL/241124S0003

Reporting Date: 24.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/241124S0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No.	NA
Sampling Date	23.11.2024	Receipt Date	24.11.2024
Sampling & Analysis Period	24.11.2024 to 30.11.2024	Latitude	-
Type of Sampling	Composite	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	Particle Distribution, Water Holding Capacity, Free Ammonical Nitrogen, Cu, Pb, Cd, Cr <sup>6+</sup>	Protocol Used	IS:2720(Part-1) 1983

### RESULTS

S. No.	Parameters	Unit	Test Method	Results
1.	Particle Distribution	mm	IS : 2720 ( Part 4 )	2.0
2.	Water Holding Capacity	%	IS : 14765 : 2000	25.5
3.	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	26.7
4.	Copper	mg/kg	IS : 440 :1964	BDL<0.1
5.	Lead	mg/kg	IS : 440 :1964	BDL<0.1
6.	Cadmium	mg/kg	GECRC/SOIL/TP/14	BDL<0.05
7.	Hexavalent Chromium	mg/kg	GECRC/SOIL/TP/13	BDL<0.01

BDL= BelowDetection Limit

Checked by:

Note.



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Web: www.aetrl.com



FC-12750

### TEST REPORT (Fugitive Emission)

Report No.: AETRL/241124G0004

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Fugitive Emission
		Sample Number	AETRL/241124G0004
Sample Collected by (Name & Designation)	Sampling team	Format No.	7.5 F-02
Sampling Location	Village Bela (Transportation Point)	Party Ref. No.	-
Date of Monitoring	16.11.2024	Receipt Date	24.11.2024
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	24
Surrounding activity	Human, Vehicle Activates	Meteorological Condition	Clear Sky
Parameter Required	SPM	Control measure if any	No Any
Instrument Used	RDS	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	173.1	µg/m <sup>3</sup>	600.0

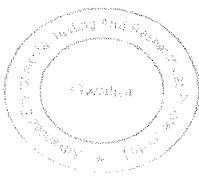
NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (1)]

\*\*\*\*End of the Report\*\*\*\*

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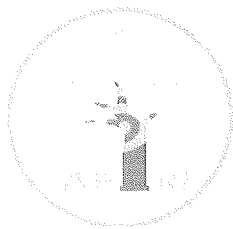
Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

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Email: aelgwalior@gmail.com aetrl2016@gmail.com, aetrlcenter@gmail.com

Web: www.aetrl.com



TC-12750

## TEST REPORT (Fugitive Emission)

Report No. AETRL/241124G0003

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Fugitive Emission
		Sample Number	AETRL/241124G0003
Sample Collected by (Name & Designation)	Sampling team	Format No.	7.5 F-02
Sampling Location	Bela near Highway (Satna to Rewa) (Transportation Point)	Party Ref. No.	-
Date of Monitoring	16.11.2024	Receipt Date	24.11.2024
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	25
Surrounding activity	Human, Vehicle Activates	Meteorological Condition	Clear Sky
Parameter Required	SPM	Control measure if any	No Any
Instrument Used	RDS	Protocol Used	IS:5182 & CPCB Guidelines

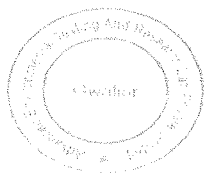
## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	152.0	µg/m <sup>3</sup>	600.0

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (1)]

\*\*\*\*End of the Report\*\*\*\*

*[Signature]*

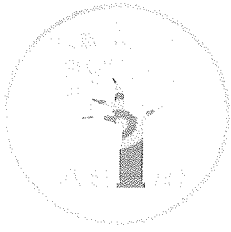


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Web: www.aetrl.com



IC-12758

## TEST REPORT

## Work Place Monitoring(Dust)

Report No.: AETRL/241124WZ0006

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Place Monitoring
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124WZ0006
Sampling Location	Pagra mine site(Loadng Point)	Format No.	7.5 P-04
Date of Monitoring	16.11.2024	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/48	Ambient Temperature - Ta (°C)	25
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	SPM, Silica, Crystalline Silica	Protocol Used	-

## RESULTS

S. No.	Parameters	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	8.6	µg/m <sup>3</sup>	10
2.	Silica	GECRC/AIR/TP/07	0.42	µg/m <sup>3</sup>	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.96	µg/m <sup>3</sup>	-

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## TEST REPORT

### Work Place Monitoring (Dust)

Report No.: AETRL/241124WZ0005

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Place Monitoring
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124WZ0005
Sampling Location	Pagra Working Pit	Format No.	7.5 F-04
Date of Monitoring	16.11.2024	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/49	Ambient Temperature - Ta (°C)	25
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	SPM, Silica, Crystalline Silica	Protocol Used	-

## RESULTS

S. No.	Parameters	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	4.8	µg/m³	10
2.	Silica	GECRC/AIR/TP/07	0.39	µg/m³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.77	µg/m³	-

\*\*\*\*End of the Report\*\*\*\*

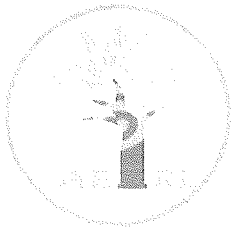
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TC-12750

### TEST REPORT (Noise Quality)

Report No.: AETRL/241124N0003

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124N0003
Sampling Location	Pagra Working Pit	Format No.	7.5 F-04
Date of Monitoring	16.11.2024	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.452853°
Instrument Used	Noise Meter	Longitude	81.203668°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	25
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

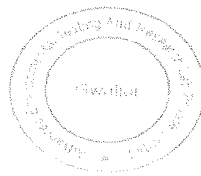
S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	36.7	-	IS:9989-1981
2.	Lmax	dB(A)	60.4	85 dB(A)	IS:9989-1981

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Authorized Signatory

# Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health & Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetlgwalior@gmail.com, aetrl2016@gmail.com, aetrlcenter@gmail.com

Web: www.aetrl.com



TC-12750

## TEST REPORT (Noise Quality)

Report No.: AETRL/241124N0004

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124N0004
Sampling Location	Pagra mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	16.11.2024	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.453087°
Instrument Used	Noise Meter	Longitude	81.202935°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	25
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

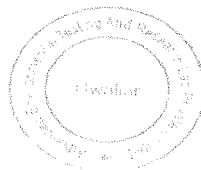
S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	41.2	-	IS:9989-1981
2.	Lmax	dB(A)	68.9	85 dB(A)	IS:9989-1981

\*\*\*\*End of the Report\*\*\*\*

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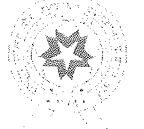
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IC-12780

## TEST REPORT (Noise Quality)

Report No.: AETRL/241124N0010

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (M.P.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124N0010
Sampling Location	mine site (SAN 1)	Format No.	7.5 F-04
Date of Monitoring	22.11.2024 to 23.11.2024	Party Ref. No.	-
Time of Monitoring	24 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.453067°
Instrument Used	Noise Meter	Longitude	81.202960°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	25
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	29.0	-	IS:9989-1981
2.	Lmax	dB(A)	66.6	-	IS:9989-1981
3.	Leq day	dB(A)	53.3	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	40.6	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	45.8	-	IS:9989-1981

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BIS



IC-12750

## TEST REPORT (Noise Quality)

Report No.: AETRL/241124N0011

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124N0011
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Format No.	7.5 F-04
Date of Monitoring	22.11.2024 to 23.11.2024	Party Ref. No.	-
Time of Monitoring	24 Hrs.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.491819°
Instrument Used	Noise Meter	Longitude	81.188986°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	24
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	27.7	-	IS:9989-1981
2.	Lmax	dB(A)	70.4	-	IS:9989-1981
3.	Leq day	dB(A)	54.2	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	43.1	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	48.0	-	IS:9989-1981

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### TEST REPORT (Ambient Air)

Report No.: AETRI/241124A0006

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRI/241124A0006
Sample Collected by (Name & Designation)	Sampling team	Format No.	7.5 F-02
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Party Ref. No.	-
Date of Monitoring	22.11.2024 to 23.11.2024	Receipt Date	24.11.2024
Time of Monitoring	1150 min.	Latitude	24.491817°
Scope of Monitoring	Environmental Monitoring	Longitude	81.188980°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	24
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	86.4	µg/m <sup>3</sup>	100
2.	Particulate Matter (PM <sub>2.5</sub> )	GECRC/AIR/TP/05	42.3	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6)	23.0	µg/m <sup>3</sup>	80
4.	Sulphur dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2)	8.6	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	19.7	µg/m <sup>3</sup>	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	16.5	µg/m <sup>3</sup>	400

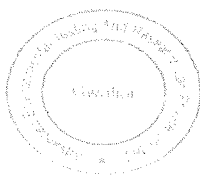
NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

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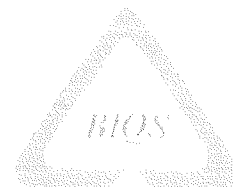
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Web: aetrl.com



### TEST REPORT (Ambient Air)

Report No.: AETRL/241124A0006

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124A0006
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Format No.	7.5 F-02
Date of Monitoring	22.11.2024 to 23.11.2024	Party Ref. No.	-
Time of Monitoring	1150 min.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.491817°
Instrument calibration status	Calibrated	Longitude	81.188980°
Surrounding activity	-	Ambient Temperature - Ta (°C)	24
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

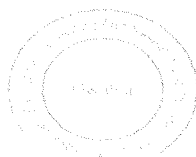
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## TEST REPORT (Ambient Air)

Report No.: AETRL/241124A0005

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRL/241124A0005
Sample Collected by (Name & Designation)	Sampling team	Format No.	7.5 F-02
Sampling Location	mine site (SAN 1)	Party Ref. No.	-
Date of Monitoring	22.11.2024 to 23.11.2024	Receipt Date	24.11.2024
Time of Monitoring	1240 min.	Latitude	24.453066°
Scope of Monitoring	Environmental Monitoring	Longitude	81.202962°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	25
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines

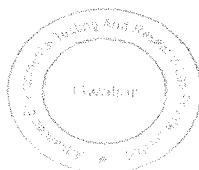
## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM <sub>10</sub> )	IS-5182 (Part-23)	90.6	µg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	48.0	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide(NO <sub>2</sub> )	IS: 5182 (Part-6)	20.2	µg/m <sup>3</sup>	80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	9.9	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	20.3	µg/m <sup>3</sup>	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	17.2	µg/m <sup>3</sup>	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

\*\*\*\*End of the Report\*\*\*\*

*[Signature]*



*[Signature]*

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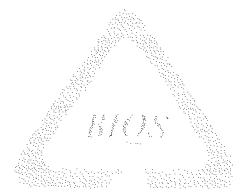
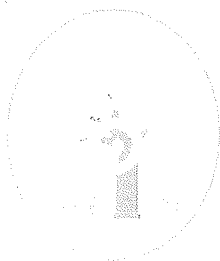
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### TEST REPORT (Ambient Air)

Report No.: AETRL/241124A0005

Date: 30.11.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Sampling team	Sample Number	AETRL/241124A0005
Sampling Location	mine site (SAN 1)	Format No.	7.5 F-02
Date of Monitoring	22.11.2024 to 23.11.2024	Party Ref. No.	-
Time of Monitoring	1240 min.	Receipt Date	24.11.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.453066°
Instrument calibration status	Calibrated	Longitude	81.202962°
Surrounding activity	-	Ambient Temperature - Ta (°C)	25
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

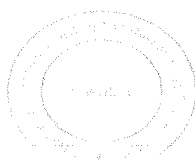
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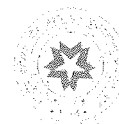
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TC-12780

## TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0005

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRL/300325A0005
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	mine site (SAN 1)	Party Ref. No	-
Date of Monitoring	28.03.2025 to 29.03.2025	Receipt Date	30.03.2025
Time of Monitoring	1250 min.	Latitude	24.453096°
Scope of Monitoring	Environmental Monitoring	Longitude	81.202973°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	37
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/24, GECRC/EQP/27, GECRC/EQP/24(a)		

## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM <sub>10</sub> )	IS-5182 (Part-23)	77.3	µg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	41.7	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide(NO <sub>2</sub> )	IS: 5182 (Part-6)	20.1	µg/m <sup>3</sup>	80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	9.0	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	20.6	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	15.5	µg/m <sup>3</sup>	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3 (I)]

Page 1 | 1

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)  
Approved: by Occupational Health & Safety Management (ISO 45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetri.com



### TEST REPORT (Ambient Air)

Report No.: AETRI/300325A0005

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRI/300325A0005
Sampling Location	mine site (SAN 1)	Format No.	7.5 F-02
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	1250 min.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.453096°
Instrument calibration status	Calibrated	Longitude	81.202973°
Surrounding activity	-	Ambient Temperature - Ta (°C)	37
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

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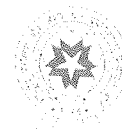
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Web: www.aetrl.com



IC-12750

### TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0006

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRL/300325A0006
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Format No.	7.5 F-02
Sampling Location	Village Pagra (SAN 2)	Party Ref. No	-
Date of Monitoring	28.03.2025 to 29.03.2025	Receipt Date	30.03.2025
Time of Monitoring	1332 min.	Latitude	24.469094°
Scope of Monitoring	Environmental Monitoring	Longitude	81.154094°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	40
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/25, GECRC/EQP/26, GECRC/EQP/25(a)		

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM <sub>10</sub> )	IS-5182 (Part-23)	80.5	µg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	45.8	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide(NO <sub>2</sub> )	IS: 5182 (Part-6)	16.4	µg/m <sup>3</sup>	80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	8.0	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	17.4	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	14.8	µg/m <sup>3</sup>	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3 (I)]

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GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

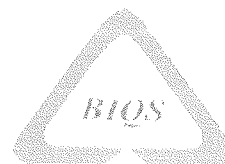
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### TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0006

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	AETRL/300325A0006
Sampling Location	Village Pagra (SAN 2)	Format No.	7.5 F-02
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	1332 min.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.469094°
Instrument calibration status	Calibrated	Longitude	81.154094°
Surrounding activity	-	Ambient Temperature - Ta (°C)	40
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

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GSTIN: 23AAECA9188L1Z8

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## TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0007

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRL/300325A0007
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Party Ref. No	-
Date of Monitoring	28.03.2025 to 29.03.2025	Receipt Date	30.03.2025
Time of Monitoring	1404 min.	Latitude	24.491818°
Scope of Monitoring	Environmental Monitoring	Longitude	81.188986°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	38
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/25, GECRC/EQP/26, GECRC/EQP/25(a)		

## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	70.1	µg/m <sup>3</sup>	100
2.	Particulate Matter (PM <sub>2.5</sub> )	GECRC/AIR/TP/05	30.8	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6)	18.2	µg/m <sup>3</sup>	80
4.	Sulphur dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2)	8.0	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	18.0	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	19.2	µg/m <sup>3</sup>	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

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### TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0007

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325A0007
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Format No.	7.5 F-02
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	1404 min.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.491818°
Instrument calibration status	Calibrated	Longitude	81.188986°
Surrounding activity	-	Ambient Temperature - Ta (°C)	38
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

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IC-12750

### TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0008

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
		Sample Number	AETRL/300325A0008
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Village Bela (SAN 6)	Party Ref. No	-
Date of Monitoring	28.03.2025 to 29.03.2025	Receipt Date	30.03.2025
Time of Monitoring	1360 min.	Latitude	24.451374°
Scope of Monitoring	Environmental Monitoring	Longitude	81.202166°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	38
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/24, GECRC/EQP/27, GECRC/EQP/24(a)		

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	77.3	µg/m <sup>3</sup>	100
2.	Particulate Matter (PM <sub>2.5</sub> )	GECRC/AIR/TP/05	37.1	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6)	19.0	µg/m <sup>3</sup>	80
4.	Sulphur dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2)	9.4	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	20.0	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	16.6	µg/m <sup>3</sup>	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3 (I)]

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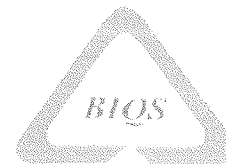
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### TEST REPORT (Ambient Air)

Report No.: AETRL/300325A0008

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325A0008
Sampling Location	Village Bela (SAN 6)	Format No.	7.5 F-02
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	1360 min.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.451374°
Instrument calibration status	Calibrated	Longitude	81.202166°
Surrounding activity	-	Ambient Temperature - Ta (°C)	38
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	µg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m <sup>3</sup>	For 24 Hrs. = 5

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3 (I)]

Checked by:



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GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

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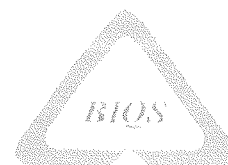
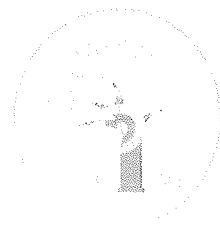
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### TEST REPORT (Noise Quality)

Report No.: AETRL/300325N0005

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325N0005
Sampling Location	mine site (SAN 1)	Format No.	7.5 F-04
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.453094°
Instrument Used	Noise Meter	Longitude	81.202973°
Instrument code	GECRC/EQP/04	Ambient Temperature - Ta (°C)	37
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	31.7	-	IS:9989-1981
2.	Lmax	dB(A)	68.8	-	IS:9989-1981
3.	Leq day	dB(A)	53.0	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	40.9	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	46.2	-	IS:9989-1981

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Authorized Signatory

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4. The above Results are related to the tested Sample Only.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

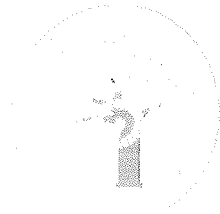
Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,

Gwalior-474 011, M.P., India

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Email: aetlgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com



### TEST REPORT (Noise Quality)

Report No.: AETRL/300325N0006

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh (Field Assistant)	Sample Number	AETRL/300325N0006
Sampling Location	Village Pagra (SAN 2)	Format No.	7.5 F-04
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.469095°
Instrument Used	Noise Meter	Longitude	81.154096°
Instrument code	GECRC/EQP/01	Ambient Temperature - Ta (°C)	40
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	25.6	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	66.4	-	IS:9989-1981
3.	Leq day	dB(A)	53.6	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	36.8	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	43.1	-	IS:9989-1981

Checked by:

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4. The above Results are related to the tested Sample Only.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

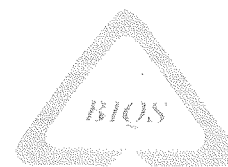
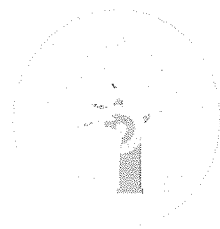
Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aetgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com



### TEST REPORT (Noise Quality)

Report No.: AETRL/300325N0007

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325N0007
Sampling Location	Village Chhoti Lalitpur (SAN 5)	Format No.	7.5 F-04
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.491819°
Instrument Used	Noise Meter	Longitude	81.188985°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	38
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	31.8	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	69.0	-	IS:9989-1981
3.	Leq day	dB(A)	50.3	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	39.2	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	44.6	-	IS:9989-1981

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3. Any discrepancy in test result should be reported within 15 days.
4. The above Results are related to the tested Sample Only.



CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

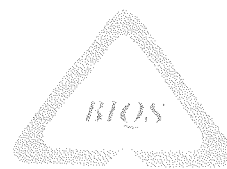
Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

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Web: aetrl.com



### TEST REPORT (Noise Quality)

Report No.: AETRL/300325N0008

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh (Field Assistant)	Sample Number	AETRL/300325N0008
Sampling Location	Village Bela (SAN 6)	Format No.	7.5 F-04
Date of Monitoring	28.03.2025 to 29.03.2025	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.451374°
Instrument Used	Noise Meter	Longitude	81.202167°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	38
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	25.6	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	58.3	-	IS:9989-1981
3.	Leq day	dB(A)	49.8	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	37.8	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	41.7	-	IS:9989-1981

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4. The above Results are related to the tested Sample Only.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

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TC-12750

TEST REPORT  
(Water)

Report No: AETRL/300325W0002

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagra Jhriya Limestone Mine), Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kant Sen	Sample Number	AETRL/300325W0002
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine site (SGWS1)	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	pH, Turbidity, EC, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	APHA

## RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.83	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	615.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	380.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	400.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	340.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	382.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	168.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	214.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	67.2	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	52.2	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	22.4	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	74.6	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	10.4	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.29	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	1.0	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	BDL<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	BDL<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.0	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	BDL<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	BDL<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by:

\*\*\*\*\*End of the Report\*\*\*\*\*

Authorized Signatory:

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4. The results relate to the item sampled and tested.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

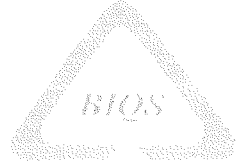
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Approved: by Occupational Health & Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

0751-3566867, 2232177

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### TEST REPORT (Water)

Report No: AETRL/300325W0002

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara Jhriya Limestone Mine), Rampur Baghelan, Satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325W0002
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine site (SGWS1)	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate, Zinc, Coliform	Protocol Used	APHA

### RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	BDL<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0	5	15
3	Total Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

Checked by:

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- The results relate to the item sampled and tested.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

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Web: www.aetrl.com



IC-12750

TEST REPORT  
(Water)

Report No: AETRL/300325W0003.

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagra Jhriya Limestone Mine), Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325W0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Vadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Pagra (SGWS2)	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, EC, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	APHA

## RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.52	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	648.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	400.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	420.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	305.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	422.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	188.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	234.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	75.8	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	56.7	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	25.4	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	68.4	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	10.4	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.28	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	1.0	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	BDL<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	BDL<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.0	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	BDL<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	BDL<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by:



Authorized Signatory:

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
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0751-3566867, 2232177

Email: aetgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com

TEST REPORT  
(Water)

Report No: AETRL/300325W0003

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara Jhiriya Limestone Mine), Rampur Baghelan, Satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325W0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Pagra (SGWS2)	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate, Zinc, Coliform	Protocol Used	APHA

## RESULTS

S. No.	Parameter	Unit	Method	Result	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	BDL<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0	5	15
3	Total Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

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# Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health & Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

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Web: www.aetrl.com



IC-12750

## TEST REPORT (Surface Water)

Report No: AETRL/300325W00015

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara-Jhiriya Limestone Mine), Rampur Baghelan, Satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325W00015
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	APHA

## RESULTS

S. No.	Parameter	Unit	Method	Result
1.	pH	-	IS : 3025 (Part-11)	7.82
2.	Conductivity	μS/cm	IS : 3025 (Part-14)	615.0
3.	Turbidity	NTU	IS : 3025 (Part-10)	2.0
4.	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	380.0
5.	Total Solids	mg/l	IS : 3025 (Part-15)	400.0
6.	Total Alkalinity	mg/l	IS : 3025 (Part-23)	230.0
7.	Total Hardness	mg/l	IS : 3025 (Part-21)	250.0
8.	Calcium Hardness	mg/l	IS : 3025 (Part-40)	110.0
9.	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	140.0
10.	Calcium	mg/l	IS : 3025 (Part-40)	43.8
11.	Magnesium	mg/l	IS : 3025 (Part-46)	34.2
12.	Chloride	mg/l	IS : 3025 (Part-32)	25.4
13.	Sulphate	mg/l	IS : 3025 (Part-24)	40.2
14.	Nitrate	mg/l	IS : 3025 (Part-34)	6.2
15.	Iron	mg/l	IS : 3025 (Part-53)	0.09
16.	Fluoride	mg/l	IS : 3025 (Part-60)	0.7
17.	COD	mg/l	IS : 3025 (Part-58)	20.0
18.	BOD	mg/l	IS : 3025 (Part-44)	4.8
19.	DO	mg/l	IS : 3025 (Part-38)	4.2
20.	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.0
21.	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.12

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Authorized Signatory:

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

Approved: by Occupational Health &amp; Safety Management (ISO45001:2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India

0751-3566867, 2232177

Email: aelgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com

TEST REPORT  
(Surface Water)

Report No; AETRL/300325W00015

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325W00015
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, Coliform	Protocol Used	APHA

## RESULTS

S. No.	Parameter	Unit	Method	Result
1.	Phosphate	mg/l	IS : 3025 (Part-11)	4.2
2.	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3.	Total Coliform	MPN/100ml	IS : 1622 :1981	820.0

BDL = Below Detection Limit,

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# Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Occupational Health & Safety Management (ISO45001:2018)

Approved: by National Accreditation Board for Testing and Calibration Laboratories

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

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Web: www.aetrl.com



IC-12750

## TEST REPORT (Soil)

Report No AETRL/300325S0003

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhriya Limestone Mine), Rampur Baghelan , Satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325S0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Composite	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	pH , EC, Organic matter , Phosphorous , Potassium	Protocol Used	IS:2720(Part-1) 1983

## RESULTS

S. No.	Parameters	Unit	Test Method	Results
1.	pH	-	IS : 2720 (Part -26)	8.12
2.	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.412
3.	Organic matter	%	IS : 2720 (Part -22)	1.32
4.	Phosphorous	mg/kg	GECRC/SOIL/TP/14	17.2
5.	Potassium	mg/kg	IS : 9497 :2005	11.8

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

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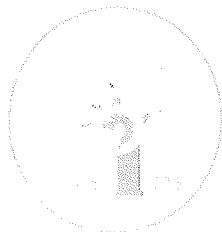
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### TEST REPORT (Soil)

Report No: AETRL/300325S0003

Reporting Date: 07.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Pagara -Jhiriya Limestone Mine), Rampur Baghelan , Satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Number	AETRL/300325S0003
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	29.03.2025	Receipt Date	30.03.2025
Sampling & Analysis Period	30.03.2025 to 06.04.2025	Latitude	-
Type of Sampling	Composite	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	Particle Distribution , Water Holding Capacity, Free Ammonical Nitrogen, Cu, Pb, Cd, Cr <sup>6+</sup>	Protocol Used	IS:2720(Part-1) 1983

### RESULTS

S. No.	Parameters	Unit	Test Method	Results
1.	Particle Distribution	mm	IS : 2720 ( Part 4 )	2.0
2.	Water Holding Capacity	%	IS : 14765 : 2000	24.2
3.	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	25.4
4.	Copper	mg/kg	IS : 440 :1964	BDL<0.1
5.	Lead	mg/kg	IS : 440 :1964	BDL<0.1
6.	Cadmium	mg/kg	GECRC/SOIL/TP/14	BDL<0.05
7.	Hexavalent Chromium	mg/kg	GECRC/SOIL/TP/13	BDL<0.01

BDL= Below Detection Limit

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-\*\*\*\*End of the Report\*\*\*\*

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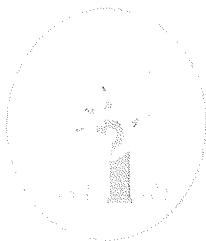
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## TEST REPORT (Noise Quality)

Report No.: AETRL/300325WZN0005

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325WZN0005
Sampling Location	Pagra Working Pit	Format No.	7.5 F-04
Date of Monitoring	29.03.2025	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.452854°
Instrument Used	Noise Meter	Longitude	81.203678°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	37
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	38.0	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	57.5	85 dB(A)	IS:9989-1981

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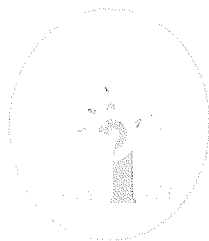
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## TEST REPORT (Noise Quality)

Report No.: AETRL/300325WZN0006

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	AETRL/300325WZN0006
Sampling Location	Bela Transportation Point	Format No.	7.5 F-04
Date of Monitoring	28.03.2025	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.556479°
Instrument Used	Noise Meter	Longitude	81.053716°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	38
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	46.8	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	66.2	85 dB(A)	IS:9989-1981

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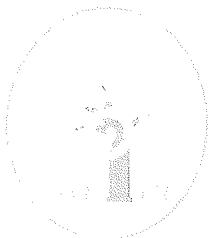
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### TEST REPORT (Noise Quality)

Report No.: AETRL/300325WZN0007

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	AETRL/300325WZN0007
Sampling Location	Pagra mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	28.03.2025	Party Ref. No.	-
Time of Monitoring	08 Hrs.	Receipt Date	30.03.2025
Scope of Monitoring	Environmental Monitoring	Latitude	24.453095°
Instrument Used	Noise Meter	Longitude	81.202957°
Instrument code	GECRC/EQP/04	Ambient Temperature - Ta (°C)	37
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

### RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L <sub>min</sub>	dB(A)	40.2	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	70.5	85 dB(A)	IS:9989-1981

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BIQS

### TEST REPORT (Fugitive Emission)

Report No.: AETRL/300325G0005

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
	Client Representative (Name & Designation)	Sample Description Sample Number	Fugitive Emission
	Mr. Mrinal Kanti Sen		AETRL/300325G0005
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Bela near Highway (Satna to Rewa) (Transportation Point)	Party Ref. No	-
Date of Monitoring	23.03.2025 to 24.03.2025	Receipt Date	30.03.2025
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	36
Surrounding activity	Human, Vehicle Activates	Meteorological Condition	Clear Sky
Parameter Required	SPM	Control measure if any	No Any
Instrument Used	RDS	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/25		

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	167.4	µg/m <sup>3</sup>	600.0

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

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GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&amp;CC)

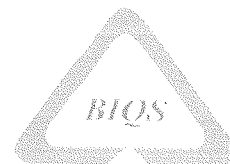
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### TEST REPORT (Fugitive Emission)

Report No.: AETRL/300325G0006

Date: 06.04.2025

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Pagra-Jhiriya Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Mrinal Kanti Sen	Sample Description	Fugitive Emission
		Sample Number	AETRL/300325G0006
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Format No.	7.5 F-02
Sampling Location	mine site (SAN 1)	Party Ref. No	-
Date of Monitoring	23.03.2025 to 24.03.2025	Receipt Date	30.03.2025
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	35
Surrounding activity	Human, Vehicle Activates	Meteorological Condition	Clear Sky
Parameter Required	SPM	Control measure if any	No Any
Instrument Used	RDS	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/24		

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	126.3	µg/m <sup>3</sup>	600.0

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)]

Checked by:

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**WATER LEVEL MEASUREMENT REPORT**

**Report No.** : GECRC/April/077

**Issue Date** : 07.04.2025

**Name of the Customer** : M/s Dalmia Cement Bharat Limited

**Address of the Customer** : Pagra Jhiriya Limestone Mine, Rampur Baghelan,  
Satna, M.P.

**Measurement by** : Mr. Sanjay Kumar (Field Supervisor)

**Date of Measurement** : 29.03.2025

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Kothar	24°26'57.08"N	81°10'29.74"E	12.50

*Akhand*

Verified by

Name: Akhand

Designation:

*Rajkumar*

Authorized Signatory

Name: Rajkumar

Designation: T.M.



**WATER LEVEL MEASUREMENT REPORT**

**Report No.** : GECRC/April/076

**Issue Date** : 07.04.2025

**Name of the Customer** : M/s Dalmia Cement Bharat Limited

**Address of the Customer** : Pagra Jhiriya Limestone Mine, Rampur Baghelan,  
Satna, M.P.

**Measurement by** : Mr. Sanjay Kumar (Field Supervisor)

**Date of Measurement** : 29.03.2025

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Koparihan	24°27'18.20"N	81°11'33.08"E	13.80

*Akhand*

Verified by

Name: Akhand

Designation:

*Rajkumar*

Authorized Signatory

Name: Rajkumar

Designation: T.M.







**WATER LEVEL MEASUREMENT REPORT**

**Report No.** : GECRC/April/075

**Issue Date** : 07.04.2025

**Name of the Customer** : M/s Dalmia Cement Bharat Limited

**Address of the Customer** : Pagra Jhiriya Limestone Mine, Rampur Baghelan,  
Satna, M.P.

**Measurement by** : Mr. Sanjay Kumar (Field Supervisor)

**Date of Measurement** : 29.03.2025

Sl. No.	Location Name	Latitude	Longitude	Water Level (meter)
1	Jhiriya Bajpaein	24°27'12.56"N	81°12'19.89"E	14.50

*Akhand*

Verified by

Name: Akhand

Designation:

*Rajkumar*

Authorized Signatory

Name: Rajkumar

Designation: T.M.