

FUTURE TODAY

To,

Date: 15.05.2024

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

Subject: Jamuna Limestone Mine (ML Area: 89.234 ha) at Village: Jamuna, Tehsil: Rampur Baghelan, District: Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. - *Submission of Half-Yearly Compliance-reg.*

Ref: Environmental Clearance from SEIAA Letter No. 7687/SEIAA/21 dated 25.03.2021.

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 Environment Clearance for the period **October-2023 to March- 2024** for your kind perusal and record.

Thanking You,

Yours Faithfully,

For, M/s. Dalmia Cement Bharat Limited.



Dinesh Dixit
HOD, Mines



Encl: a/a

Cc: 1. Regional Director, CPCB Zonal Office, Vithal Market, Paryavaran Parisar, 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, Borakhamba Road, New Delhi - 110 001, Delhi, India

T +91 11 2346 5100 Toll Free 1800 2020 W www.dalmiacement.com

CIN U65191TN1996PLC035963

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

A Dalmia Bharat group company, www.dalmiabharat.com

Half Yearly Compliance Report of Specific Conditions of Environmental Clearance

October 2023 to March 2024

EC Letter No. 7687/SEIAA/21 dated 25.03.2021

A. Specific EC conditions		
Sr.	Conditions	Remarks
1.	Before commencing any mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of signage at 4 corners of lease area to avoid any untoward incident involving public and animals by the PP.	The mining activities is limited to initial mine development and land purchase. Fencing will be carried out all around the lease area. Fencing is being <i>done</i> in the purchased area and around the working pit. (Photographs submitted with previous compliance report) Proper watch and ward arrangements will be made along with installation of signage at 4 corners of lease area.
2.	Before commencing mining operation PP shall ensure to obtained written consent of private land owners as per the provision of the govt. rules & regulations.	Complied.
3.	Lease agreement shall be carried out before execution of mining operation.	Complied.
4.	Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.	Noted.
5.	PP shall demarcate a barrier zone of 7.5 m as no mining zone in the periphery of mining lease area and develop a green belt. Three rows plantation shall be carried out in the greenbelt area in current year with proper watering arrangement.	About 60 saplings have been planted in the ML area during this compliance period in addition to 580 saplings planted up to previous compliance period. Photographs of the same are enclosed as Annexure-I . Currently, the mining operation is limited to initial land development and land purchase. A Safety barrier (No mining zone) of 7.5m is demarcated all along the ML boundary. Soon after the land development activities and land is purchased, plantation will be taken up in the desired manner.
6.	PP shall ensure that existing 150 no. of trees shall not be uprooted without obtaining necessary permission from Forest Department as per the norms of compensatory plantation.	Noted. No trees are required to be uprooted till date.
7.	PP shall ensure to protect the local plants & wild life species pertaining to conservation of biodiversity of the area and maintain it in consultation with officials of the Forest Departments.	Noted.
8.	PP will plant 3 years old 137900 saplings of suitable tree species i.e. Neem, Chikoo, Mango, Bargad, Peepal, Sagwan, Bel, Sitafal, Karunda, Nebu, Amla, Jamun, Ber etc. will be planted along the backfilled area, periphery of lease area, haul roads and identified revenue land of the district in consultation with DM/Gram Panchayat. PP shall also explore and identify the chunk of land in the area from revenue record to carry out plantation programme as proposed.	Noted. Consultation is in progress.

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9.	The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table, approval of the Central Ground Water Board shall be obtained.	Noted. The mining operations will not intersect the groundwater table during the Approved Mining Plan period and at the end of the mine life. DCBL has obtained permission for groundwater abstraction vide NOC No CGWA/NOC/MIN/ORIG/2021/13091. Due to unavailability of contiguous Land, the mining operations has not been started at the reasonable capacity and DCBL neither constructed any of the proposed Tube well(s) for ground water abstraction nor abstracted any groundwater during the validity period of No Objection Certificate. DCBL has applied for Extension of Validity of Existing NOC on 27.06.2023. Validity extension of NOC was granted on 28.02.2024 and is valid up to 24.09.2025 (A copy of the same is attached as Annexure-II)
10.	The overburden and waste will be stacked within ML area and simultaneously backfilled in the mined out area where plantation will be raised on it.	Noted. The mining operations will be carried out in accordance with the approved mining plan.
11.	PP shall ensure that waste material shall not be stacked long time in ML area.	Noted. Waste management will be done as per the mining plan approved by IBM.
12.	No overburden will be dumped outside the mine lease area.	Noted. Overburden management will be done as per the mining plan approved by IBM.
13.	Regular water quality monitoring shall be carried out by PP before discharging it into the nearby agriculture fields from authorized laboratory in consultation with Regional Officer, MPPCB. Regular air and noise quality monitoring shall also be carried out from authorized laboratory in consultation with Regional Officer, MPPCB at regular interval.	Noted. No water has been discharged outside ML area into the agricultural fields.
14.	PP shall ensure the generation of employment opportunities nearby Village on priority basis.	Noted. Manpower recruitment will be taken up with the progress in mining activities.
15.	Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.	Noted.
16.	Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.	Proper infrastructure with shelter, drinking water, toilets, and first-aid facilities will be provided for the laborers. Currently mining activities are being carried out intermittently with limited manpower and restricted to initial land development and land purchase. Currently, it is regulated by a remote office outside the ML area having all infrastructure facilities.

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17.	PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields.	As the mining activities are currently intermittent and not carried out regularly. Water tankers are hired as and when required during development.
18.	Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.	Noted. No mining will be carried out outside the lease area.
19.	PP shall ensure the proper water supply arrangements for plantation especially in summer season.	Noted.
20.	PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing pakka road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.	Noted and provisions under EMP, Rs. 193 Lakhs has been earmarked as capital cost and recurring cost of Rs. 27.5 Lakhs under EMP.
21.	<p>PP must ensure for implementation of compliance of the commitment made in Public Hearing and in addition to this following activities with separate budget provision under CER as committed:-</p> <p>Village:-Jamuna</p> <p>a) Construction of Boundary Wall in Govt. Primary School. b) Repairing of Road (500 m) Connecting Jamuna & Patrahai. c) Repairing & Refurnishment of Govt. Elementary School Rooms & Toilets and Aanganwadi. d) To provide Drinking Water Facility by Digging of Bore well and Water Storage Tanks in govt. school and aaganwadi kendra. e) To provide Water Tanker to Panchayat for Supply of Water for Community Events. f) Organized Specialized Health Check-up Camps (Gyne, Dental, Skin, Eye). g) Installation of Solar Street Lights for village. h) Distribution of Sports Equipment to Youth Clubs and Govt. Schools. i) Organized women training program (cutting, tailoring, stitching/embroidery, pickle & souces making, soft toys & gem jeweller and beautician courses). j) To provide educational facilities (school bags, stationery items, tables, chairs, blackboards, computers etc.) in govt. school. k) Construction of water overhead tanks for public smooth water supply in consultation with Gram Panchayat and local bodies in villages.</p> <p>PP shall give preference to develop/provide infrastructural facilities in schools or aanganwadies of above villages. The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Collector and Gram Panchayat.</p>	<p>The mine is in the initial stage of land development and land purchase. It will be undertaken as per the Action Plan submitted during the appraisal of EC.</p> <p>The following activities as committed have already been undertaken:</p> <ol style="list-style-type: none"> 1. Repairing of the Road (180 m) has already been done connecting Jamuna & Patarhai. Rs. 4.1 Lakhs has been incurred for the repair work. 2. Construction of Additional classroom in Govt High School Jamuna. Total Cost Rs 6.22 Lakh 3. Toilet Block Construction in Govt High School Jamuna. Total Cost Rs 1.74 Lakh. 4. Installation of 3 Drinking Water Tanks at Jamuna. Total Cost Rs 3.25 Lakh. 5. 10 Computers were given to Government High School Jamuna for enhancement of quality education. Total Cost Rs 2.89 Lakh. 6. Imparting training for skill development through Dalmia Institute of Knowledge & Skill Harnessing (DiKSHA) for youths of Jamuna village. Total Cost Rs 3.64 Lakh. 7. Sustainable Livelihood Development Program implementation through Dalmia Bharat Foundation (DBF) for the upliftment of Women, Animal Husbandry, and agriculture in Jamuna Village. Total Cost Rs 3.29 Lakh.

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		The details with photographs were already submitted with the previous compliance report.
22.	PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC, GOI, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No.930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.	Noted.
B. Pre-Mining Phase		
23.	The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.	Complied. Cement/Concrete Pillars are provided to demarcate the mining lease boundary along with the geographical locations in latitude and longitude. (Photographs were already submitted with previous compliance report.)
24.	Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.	Complied. CTE has been obtained vide Consent No: CTE-53428 dated 19-04-2021. (a copy of the same was already submitted with the previous compliance report). CTO Renewed vide Consent No: AW-59766 dated 22/02/2024 Consent granted up to 31/05/2025 (A copy of the same is attached as Annexure-III)
25.	Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.	Complied. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 has been obtained vide Consent No: AWH-53741 dated 27-06-2021 granted up to 31.05.2026. (A copy of the same was already submitted with the previous compliance report.)
26.	PP will also carry out fencing all around the lease area.	Under progress. The mining activities are currently limited to initial mine development and land purchase. Fencing is being <i>done</i> in the purchased area and around the working pit. (Photographs were already submitted with the previous compliance report).
27.	If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.	Noted. No trees have been uprooted yet.
28.	For dust suppression, regular sprinkling of water should be undertaken.	Noted. Currently water tanker is being used.
29.	Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.	Noted.

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30.	PP will obtain other necessary clearances/NOC from respective authorities.	DCBL has obtained necessary clearances/NOC from respective authorities as given under: 1. CTE has been obtained vide Consent No: CTE-53428 dated 19-04-2021. (Copy submitted with previous compliance report). 2.CTO Renewed vide Consent No: AW-59766 dated 22/02/2024 Consent granted up to 31/05/2025 (A copy of the same is attached as Annexure-III) 2. CGWA NOC has been obtained for the abstraction of groundwater vide NOC No.: CGWA/NOC/MIN/ORIG/2021/13091 dated 25.09.2021. (Copy submitted with previous compliance report). Since there is no water abstraction during the validity period of No Objection Certificate, DCBL has applied for Validity extension of existing NOC. Extension of NOC validity is granted on 28.02.2024 and valid up to 24.09.2025 (A copy of the same is attached as Annexure-II)
31.	Slope stability study shall be carried out before commencing the mining activities.	Noted. Slope study will be carried out before excavation of mining pit in second bench level. Currently, initial land development and land purchase are in progress.
32.	Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.	Noted.
C. Mining Operational Phase		
33.	From crusher to the plant the crushed material shall be transported through conveyor belt.	Noted. The plant is yet to be constructed.
34.	Vibration study shall be undertaken once mine commences operation and report shall be submitted with six monthly compliance report. The recommendations shall be implemented immediately.	Noted. Blasting has not been undertaken yet. The report shall be submitted once blasting is done.
35.	All the precautionary measures laid by the DGMS will be strictly followed.	Noted.
36.	No overcharging during blasting to avoid vibration.	Noted.
37.	Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.	Noted.
38.	Working height of the loading machines shall be compatible with bench configuration.	Noted.
39.	Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.	Noted.
40.	The dumps will be temporarily stabilized with fast growing grasses.	Noted.

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41.	No explosive will be stored at the mine site.	Noted. Explosive requirements for this mine will be met from the Magazine of the adjacent mine of the same lessee.
42.	No intermediate stacking is permitted at the mine site.	Noted.
43.	No dump shall be stacked outside the lease area.	Noted.
44.	Overhead sprinklers shall be provided in mine.	Noted.
45.	Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.	Noted.
46.	Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1,37,000 trees (including compensatory plantation) shall be planted on barrier zone, backfilled area and along the transportation route.	Noted.
47.	Transportation of material shall be done in covered vehicles.	Noted.
48.	Transportation of minerals shall not be carried out through forest area.	Noted. No transportation of minerals will be carried through forest areas.
49.	The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.	Noted.
50.	Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.	Noted. There is no dump formation during the compliance period.
51.	To prevent gully formation along the slope of the dump, a berm will be provided having gentle slope inwards into the dump.	Noted. There is no dump formation during the compliance period.
52.	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 beneficiation plant. Regular de-silting of drains and pits should be carried out.	Noted.
53.	For dust suppression overhead sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.	Noted.

54.	<p>The existing and proposed land use plan of the mine is as follows:</p> <table border="1" data-bbox="277 255 916 1272"> <thead> <tr> <th data-bbox="277 255 325 389">S. No.</th> <th data-bbox="325 255 523 389">Particulars</th> <th data-bbox="523 255 628 389">Pre-Operational (Ha.)</th> <th data-bbox="628 255 734 389">Operational (Ha.)</th> <th data-bbox="734 255 916 389">Post-Operational (Ha.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="277 389 325 779">1</td> <td data-bbox="325 389 523 779">Pit area</td> <td data-bbox="523 389 628 779">0.36</td> <td data-bbox="628 389 734 779">10.05</td> <td data-bbox="734 389 916 779">73.462 (43.962Ha. Backfilled and Reclaimed & Rehabilitated by Plantation and 29.50 Ha. for Water Reservoir).</td> </tr> <tr> <td data-bbox="277 779 325 837">2</td> <td data-bbox="325 779 523 837">Dump Area</td> <td data-bbox="523 779 628 837">Nil</td> <td data-bbox="628 779 734 837">4.94</td> <td data-bbox="734 779 916 837">Nil</td> </tr> <tr> <td data-bbox="277 837 325 896">3</td> <td data-bbox="325 837 523 896">Road</td> <td data-bbox="523 837 628 896">0.40</td> <td data-bbox="628 837 734 896">0.40</td> <td data-bbox="734 837 916 896">0.40 (Public Use)</td> </tr> <tr> <td data-bbox="277 896 325 954">4</td> <td data-bbox="325 896 523 954">Infrastructure</td> <td data-bbox="523 896 628 954">Nil</td> <td data-bbox="628 896 734 954">0.50</td> <td data-bbox="734 896 916 954">Nil</td> </tr> <tr> <td data-bbox="277 954 325 1012">5</td> <td data-bbox="325 954 523 1012">Retaining Wall/ Bund and Drain</td> <td data-bbox="523 954 628 1012">Nil</td> <td data-bbox="628 954 734 1012">0.60</td> <td data-bbox="734 954 916 1012">Nil</td> </tr> <tr> <td data-bbox="277 1012 325 1070">6</td> <td data-bbox="325 1012 523 1070">Plantation</td> <td data-bbox="523 1012 628 1070">Nil</td> <td data-bbox="628 1012 734 1070">2.0</td> <td data-bbox="734 1012 916 1070">15.372</td> </tr> <tr> <td data-bbox="277 1070 325 1240">7</td> <td data-bbox="325 1070 523 1240">Un-worked (Existing plantation approx. 7 Ha.)</td> <td data-bbox="523 1070 628 1240">88.474</td> <td data-bbox="628 1070 734 1240">70.744</td> <td data-bbox="734 1070 916 1240">Nil</td> </tr> <tr> <td data-bbox="277 1240 325 1272"></td> <td data-bbox="325 1240 523 1272">Total</td> <td data-bbox="523 1240 628 1272">89.234</td> <td data-bbox="628 1240 734 1272">89.234</td> <td data-bbox="734 1240 916 1272">89.234</td> </tr> </tbody> </table>	S. No.	Particulars	Pre-Operational (Ha.)	Operational (Ha.)	Post-Operational (Ha.)	1	Pit area	0.36	10.05	73.462 (43.962Ha. Backfilled and Reclaimed & Rehabilitated by Plantation and 29.50 Ha. for Water Reservoir).	2	Dump Area	Nil	4.94	Nil	3	Road	0.40	0.40	0.40 (Public Use)	4	Infrastructure	Nil	0.50	Nil	5	Retaining Wall/ Bund and Drain	Nil	0.60	Nil	6	Plantation	Nil	2.0	15.372	7	Un-worked (Existing plantation approx. 7 Ha.)	88.474	70.744	Nil		Total	89.234	89.234	89.234	Noted.
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55.	Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.	Noted. Funds are reserved and are being utilized in consultation with Gram Panchayat and other eminent person of the area. Details of activities undertaken is mentioned above in specific condition 21.																																													
56.	PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.	Noted.																																													
57.	Leguminous grass seeds or herbaceous species should be sown on the soil dump to prevent soil erosion.	Noted. No dump has been formed during this compliance period.																																													
58.	The top soil generated during life of the mine will be utilized for plantation on backfilled area.	Noted.																																													
59.	At the conceptual stage there will be no dumping.	Noted.																																													
60.	The commitments made in the public hearing are to be fulfilled by the PP.	Noted and under progress. Details of activities undertaken is mentioned above in specific condition 21.																																													

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61.	Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.	Noted. Separate bank account will be opened. Currently, it is maintained under separate accounting head.
62.	PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations	Complied.
D. Entire Life of the Project		
63.	In the proposed EMP, capital cost is Rs. 193.0 Lakh is proposed and Rs. 27.5 Lakh /year as recurring expenses.	-
64.	The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of underutilization of budgetary provisions for EMP should be addressed in annual return.	Noted. The Company has a well laid down Corporate Policy and all the manufacturing unit of the Group are governed by the policy.
65.	A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.	Noted.
66.	PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.	Noted.
67.	PP will comply with all the commitments made vide letter dated 17.02.2021.	Noted.
68.	The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance	Noted.
E. Standard Conditions		
1.	Valid postal address of the PP with e-mail details.	Address: - Dalmia Cement (Bharat) Ltd, Vishwanath Tower, 1 st Floor, Near Hotel Sun Shine, Kripalpur, Rewa Road Satna. Email: Dixit.Dinesh@dalmiacement.com
2.	Any change in the correspondence address be duly intimated to all the regulatory authority within 30 days of such change.	Noted. The correspondence address remains the same. Local Site address is provided in point 1 above.
3.	GPS coordinate of the mine lease area be reflected in the EC for the ease of monitoring.	Noted.
4.	A display board with following details of the project is mandatory at the entry to the mine. a) Lease owner's details; Name, Contact details etc. b) Mining Lease area of the project (in ha.) c) Production capacity of the project.	Noted.
5.	All activities/mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.	Noted.
6.	All activities/mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.	Noted.
7.	All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies	Noted. We have requested MPPCB, Satna for finalization of monitoring locations and frequencies. A copy of the

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		receipt is already submitted with the previous report. A copy of the environment monitoring report is Attached as Annexure-IV
8.	Blast vibrations study shall be conducted and submitted to the Regional Office, MoEF, Gol, Bhopal and MPPCB within six months. The study shall also provide measures for prevention of blasting associated impact on nearby houses and agricultural fields.	Noted. Blasting has not been undertaken yet. The blasting report will be submitted within six months from the commencement of the blasting operation.
9.	Controlled blasting techniques with sequential drilling shall be adopted. The blasting shall be carried out in the day time only.	Noted. Blasting has not been undertaken yet.
10.	Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	Noted.
11.	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within 5 years in advance of final mine closure for approval.	Noted.
12.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	Noted.
13.	Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.	Noted.
14.	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	Noted.
15.	The transportation of the minerals extracted from the mining area shall be limited to day hours' time only.	Complied and Noted.
16.	Maintenance of nearby local roads through which transportation of minerals are undertaken shall be carried out by the company regularly at its own expenses. The roads shall be black topped.	Noted.
17.	Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	Noted. No dump has been formed during this compliance period.
18.	Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal/ perennial Nallahs, if any, flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.	Noted. No dump has been formed during this compliance period.
19.	The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.	Noted.
20.	Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.	Noted. No dump has been formed during this compliance period.

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21.	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled and shall be scientifically vegetated with suitable native species to prevent erosion & surface run off.	Noted. No dump has been formed during this compliance period.
22.	Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB on six monthly basis.	Noted.
23.	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Deptt. Herbs & shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MPPCB every year.	Noted. Greenbelt/plantation will be undertaken as per CPCB guidelines including selection of native plant species and in consultation with the local DFO/Agriculture Deptt. Consultation with the Local DFO is in progress. Copy of receipt is submitted with previous compliance report.
24.	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles I fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.	Noted.
25.	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ , NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up-loaded and displayed on the company's website.	Noted. We have requested MPPCB, Satna for finalization of monitoring locations and frequencies. A copy of the receipt is submitted with a previous compliance report.
26.	Data on ambient air quality (RPM, SPM, SO ₂ , NO _x) should be regularly submitted to the Regional office, MoEF, Gol, Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months.	Noted. Data on ambient air quality (RPM, SPM, SO ₂ , NO _x) will be submitted to the Regional Office, MoEF, Gol, Bhopal, and the State Pollution Control Board/Central Pollution Control Board. A copy of the environment monitoring report is Attached as Annexure-IV
27.	Ambient air quality at the boundary of the mine premises shall confirm to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.	Noted.
28.	Fugitive dust emissions from all the sources shall be controlled. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be	Noted. During the operation of the mine, regular water sprinkling will be done on haul roads, loading and unloading, and at

Jamuna Limestone Mine, Village – Jamuna, Tehsil - Rampur Baghelan, District – Satna

	provided and properly maintained. The dust emission shall be monitored regularly as per norms and records to be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB regularly.	transfer points to control fugitive dust emissions. Wet drilling will also be adopted to control emissions. As currently the mining activities are limited to mine development and land purchase.
29.	Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers engaged in operations of HEMM, etc., shall be provided with ear plugs I muffs and health records of the workers shall be maintained.	Complied.
30.	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months and thereafter every year from the next consequent year.	Noted. Rainwater harvesting has been prepared and submitted along with the Application for CGWA NOC. CGWA NOC has been obtained vide NOC No.: CGWA/NOC/MIN/ORIG/ 2021/13091 dated 25.09.2021. Since there is no water abstraction during the validity period of No Objection Certificate, DCBL has applied for Validity Extension of NOC on 27.06.2023 Extension of NOC validity is granted on 28.02.2024 and valid up to 24.09.2025 (A copy of the same is attached as Annexure-II). Rainwater harvesting will be undertaken as per the approved plan. A copy of the plan is already submitted with the previous compliance report.
31.	Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post monsoon (November) and winter (January) and the data thus collected shall be regularly sent to Regional Office, MoEF, Gol, Bhopal, MP PCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Noted. CGWA NOC has been obtained for the abstraction of groundwater vide NOC No.: CGWA/NOC/MIN/ORIG/2021/13091 dated 25.09.2021. Since there is no water abstraction during the NOC Validity period, DCBL had applied for Validity Extension of existing NOC on 27.06.2023. Extension of NOC validity is granted on 28.02.2024 and valid up to 24.09.2025 (A copy of the same is attached as Annexure-II) No groundwater has been abstracted yet. With the start of the abstraction of groundwater and excavation of the mining pit, regular monitoring will be carried out.
32.	The waste water from the mine if any, shall be treated to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 st December, 1993 or as amended from time to time. The oil and grease trap shall be installed for the effluents generated from the workshop, if any, before discharging into the natural stream. The discharged water from the tailing dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, Gol, Bhopal, Central Pollution Control Board, and the State Pollution Control Board.	Complied. During this compliance period, no effluent has been generated because of limited activities. However, in the future, it will be ensured that the effluent generated from the workshop when established will be treated by using an Oil and Grease trap and treated water will be reused in dust suppression along the haul road. Zero discharge will be practiced. In no case treated effluent

Jamuna Limestone Mine, Village – Jamuna, Tehsil - Rampur Baghelan, District – Satna

		shall be discharged outside the ML boundary.
33.	Hydro-geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	Complied. A detailed Hydrogeological Study report has already been submitted with the previous compliance report.
34.	Occupational health checkup for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required. It should be made available for inspection whenever asked. Necessary funds for this also should be earmarked.	Noted and being complied.
35.	Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.	Noted.
36.	Persons working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.	Complied.
37.	Commitment towards CSR have to be followed strictly.	Noted.
38.	Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.	Noted. Nearest settlement is about 1 Km away aerially from current working and about 300m from the nearest ML boundary. As we approach nearer to the habitation, preventive measures will be undertaken as per EMP.
39.	The Project Proponent shall inform to the Regional Office, MoEF, Gol, Bhopal and MP PCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted. As it is a captive mine, Financial closure is yet to be happen. Mine lease has been granted, executed, and registered. Land development work has been started on 21.07.2021.
40.	The necessary funds as per mandate shall kept for environmental protective measures which should be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional Office, MoEF, Gol, Bhopal and MP PCB.	Noted. All activities under environmental protection measures are maintained under a Separate accounting head is being maintained. Year-wise expenditure will be reported at the end of the Financial Year. Mine received CTO on 03.03.2023.

Jamuna Limestone Mine, Village – Jamuna, Tehsil - Rampur Baghelan, District – Satna

41.	The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other relevant documents should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.	A complete set of documents including the Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other relevant documents has been submitted to the Regional Office, MoEF, Gol, Bhopal and MPPCB vide letter dated 30.11.2021. A copy of the submission receipt was submitted with the previous report.
42.	A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies, as applicable, in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copy of Environmental Clearance submitted to Sarpanch, Jamuna. A copy of the submission receipt is submitted with the previous report.
43.	The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.	Complied. A public notice informing about the grant of EC has been published in two newspapers named "Navbharat and Dainik Jagran" on 01.04.2021 in English as well as in vernacular language i.e. Hindi. Copy of Advertisements were already submitted with the previous compliance report. Copy of Environmental Clearance has been submitted to Regional Office, MoEF, Gol, Bhopal. Acknowledgment receipt has been submitted with the previous report.
44.	The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.	Noted.
45.	Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB and to the competent authority of the State Govt. within six months.	Action Plan towards fulfilling Public Hearing Commitments is a part of Chapter 7 on page no. 184 of EIA/EMP report.
46.	The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1 st June and 1 st December of each calendar year.	Noted.
47.	The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted.
48.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Noted.

Jamuna Limestone Mine, Village – Jamuna, Tehsil - Rampur Baghelan, District – Satna

49.	The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.	Noted.
50.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and qtract action under the provisions of Environment (Protection) Act, 1986.	Noted.
51.	Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
52.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act,1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted.
53.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. It has been uploaded on the Company's Website www.dalmiacement.com
54.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.	Noted.





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



Annexure-II

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

	List of Issued NOC - Online											
<p>Information</p> <p>Guidelines</p> <p>Steps for Filling Online Application</p> <p>Documents Required</p> <p>Documents Required for Online Application</p> <ul style="list-style-type: none"> ▶ Industrial ▶ Infrastructure ▶ Mining <p>Track Status</p> <p>Application Status</p> <ul style="list-style-type: none"> ▶ Online <p>Location</p> <p>Area Type</p> <p>Segment-B Area Type</p> <p>Regional office</p> <p>Location</p> <p>CGWA Headquarters</p> <p>Know Your Environmental Compensation(EC)</p> <p>Know Your Penalty</p> <p>Ground Water Abstraction/Restoration Charges</p> <p>Reports</p> <p>Applied for NOC - Online</p> <p>NOC Issued-Online</p> <p>Contact Us</p> <p>Contact</p>	Project Name: <input type="text" value="Jamuna"/>		Application Number: <input type="text"/>		State: <input type="text" value="MADHYA PRADESH"/>		District: <input type="text" value="SATNA"/>		Sub-District: <input type="text" value="RAMPUR BAGHELAN"/>		Issue Letter Type : <input type="text" value="NOC Letter"/>	
	Application Type: <input type="text" value="Mining"/>		Application Type Category: <input type="text" value="Limestone"/>		Captcha Code: tkEVVs		Enter Code: <input type="text"/>		<input type="button" value="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	JAMUNA LIMESTONE MINE	21-4/1046/MP/MIN/2020	VILLAGE-JAMUNA, TEHSIL-RAMPUR BAGHELAN,DISTRICT-SATNA MADHYA PRADESH,RAMPUR BAGHELAN,SATNA,MADHYA PRADESH	28/02/2024	22500.00	25/09/2023	24/09/2025		



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: ***

PCB ID:
137525

To,
Outward No. 19805-22/02/2024
The Occupier

Consent No:AW-59766

M/s. Dalmia Cement (Bharat) Limited - 89.234 Hect. Limestone mines

Kh.No. 3/1, 3/2, 3/3, 3/3k, 3/3kh, 3/3g, 3/3gh, 3/3yng, 3/3k/1, 3/3, Lat : 24.5729 Long : 81.0921

Village – **Jamuna, Tehsil - Rampur Baghelan, District – Satna (M.P.)**

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. 1346037 Dt. 15/01/2024 and last communication received on Dt.23.01.2024

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 **31/05/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Kh.No. 3/1, 3/2, 3/3, 3/3k,3/3kh, 3/3g, 3/3gh, 3/3yng, 3/3k/1, 3/3,Vill: Jamuna, The:Rampur Baghelan, Distt:Satna (M.P.)
- b. Mining Lease area: 89.234 ha
- c. Product & Production Capacity:

Activity / Product	Qty / year
Mining of Limestone	0.50 Million Ton Per Year (Total Excavation-0.902 MTPA) (Limestone-0.5 MTPA; Soil - 0.042MTPA; OB -0.36 MTPA as per EC)

- (1) For any change in above industry shall obtain fresh consent from the Board.
- (2) 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 31.03.2025 vide letter No. RMP-27/19-20/367 dated 24.01.2020 & in compliance of the conditions laid in EC granted by SEIAA MP vide L. No. 7687 dated 25.03.2021. Mining after 31.03.25 to be done after obtaining IBM approval for the mining plan for further period from 01.04.25 onwards.
- (3) PP shall ensure that 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.
- (4) 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. PP to install CAAQMS with mine area acquisition.
- (5)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..

The Validity of the consent is up to **31/05/2025** 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 office, Satna Dist. Satna (M.P.) for information.
2. M.P. State Mining Corporation, Arera Hills, Jail Road, Bhopal (M.P.) for necessary action please.
3. Regional officer, Regional office, MPPCB, Satna (M.P.)

By the order of Chairman, MPPCB



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 9QN6T4DJGL

Signature Not Verified
Digitally Signed by : Chandra
Mohan Thakur,IAS
Date: 22/02/2024 07:50:48 PM

CHANDRA MOHAN THAKUR
Member Secretary



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

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

1. The daily quantity of trade effluent shall not exceed 7.000 KL/day, and the daily quantity of sewage shall not exceed 3.75 KL/day.

2. Trade Effluent Treatment:-

The applicant shall operate and maintain effluent treatment system as per the proposal submitted to the Board and maintain the same 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 ₃ 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 facility to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 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 : 10.750	Water Source	Remark
1	Domestic Purpose	5.000	3.750	Borewell	To be treated through Septic Tank followed by Soak Pit
2	Dust Suppression	25.000	0.000	Mine Water	Dust suppression will be done to control fugitive emission
3	Workshop / process ..	10.000	7.000	Mine Water	Treated - water reuse for Dust Suppression/ Plantation
4	Plantation / Horticulture	35.000	0.000	Mine Water	Plantation to be done along haul road and statutory barrier

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

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

8. 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.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

Consent No:AW-59766



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

9. 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.

10. 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.

11. 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.

12. Limitation of visible floating solids and foam:

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

13. 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.

14. 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.

15. 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.

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

17. Mine management shall ensure to prevent the flow of silt in to the nearby water body.

18. Mine shall treat the mine water to such an extent that it should meet the quality of water source for different beneficial uses.

19. Mine management shall provided toilets for the labourers.

Consent No:AW-59766



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

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 ₂ /NO _x (Time weighted Average)* (µg/Nm ³)
Loading-unloading, Haul road, Transportation, Crusher 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. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: 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/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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.

9. Mine management shall demarcate a barrier zone of 7.50 meter towards forest boundary as no mining zone and developed as green belt around the periphery.

10. Mine management shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and in the vicinity. The mine management shall provide suitable connectivity of CAAQMS with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.

11. Major approach roads and haul roads shall be metal topped.

12. Transportation of material shall be through Belt conveyor system duly covered and equipped with water sprinkling system.

13. Crushers and material transfer points shall be provided with Bag filter or dry fogging system.

14. Drills shall be wet operated to reduce the fugitive emission.

15. Mining area should be surrounded by green belt having thick canopy of the tree cover.

16. Progressive afforestation plan shall be implemented at the end of mining, which include reclaimed external OB dump area, internal OB dump area and green belt and in township located outside the lease.

17. Sufficient number of water tanker for water sprinkling shall be provided for the control of fugitive emission from road transportation.

18. The vehicle used for the transportation of minerals / material shall be PU certified and shall be properly maintained to reduce the noise.

Consent No:AW-59766



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

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		Sale to authorized party/As Per CPCB, MoEF Guide lines / Others.

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. 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.

Additional condition:-

1. Mine management shall provide munare of cement structure to show the lease boundary along with the geographical location in latitude and longitude.

2. The Mine shall optimize the water abstraction from the surface water source by utilizing the mine discharge for spraying on haul roads, mine area and loading - unloading area after proper treatment.

3. Adequate & effective precautionary measures shall be taken before and during operation, maintenance and cleaning of pollution control system to avoid any accidental hazard.

4. Extensive tree plantation shall be carried out in open areas available within and around the mine premises in consultation with expert agency. Good housekeeping practice shall be adopted.

Consent No:AW-59766



Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

5. Overburden dumps shall be stored at the earmarked location along with proper stabilization arrangements and retaining wall. The maximum height of the dump shall not exceed 8 m and width 20 meters, and overall slope shall not exceed 45°. 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.
6. The Over Burden dumps shall be backfilled and scientifically vegetated with suitable native species to prevent erosion and surface runoff. Care of gullies formed on slopes should be taken properly.
7. Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt, sediment flow from soil, OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies.
8. Mine Management shall construct Garland drain of appropriate size, gradient and length and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. The garland drain shall be stone pitched / lined to prevent the soil erosion. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
9. Top soil shall be scraped & separately stacked with proper slope and adequate safeguards; it shall be utilized for carpeting over the backfilled area and rehabilitation of mined out area.
10. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented. Blasting shall be done during day time only.
11. Mine management shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
12. Mine shall ensure compliance of all the conditions mentioned in Environmental Clearance order.
13. Mine shall comply with the provisions of all the relevant Acts/Rules/Directions/Guidelines issued by MoEF/ CPCB/MPPCB time to time as required and if applicable
14. Mine shall comply with the Directions/ Orders issued by Hon'ble Supreme Court/ High Court/ NGT time to time in the relevant Writ Petitions.
15. 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.
16. 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.

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
M.P. Pollution Control Board

By the order of Chairman, MPPCB

CHANDRA MOHAN THAKUR
Member Secretary

Digitally Sign with Aadhaar

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 9QN6T4DJGL

Consent No:AW-59766



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Annexure-IV

TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/12/26/003


Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/23/12/21/03
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Jamuna mine site	Party Ref. No.	-
Date of Monitoring	18.12.2023 to 19.12.2023	Receipt Date	21.12.2023
Time of Monitoring	1170 min.	Latitude	24.573709°
Scope of Monitoring	Environmental Monitoring	Longitude	81.084712°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	26
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃ , NH ₃	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 ₁₀)	IS-5182 (Part-23)	79.2	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	43.6	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	18.7	µg/m ³	80
4.	Sulphur dioxide (SO ₂)	IS: 5182 (Part-2)	6.6	µg/m ³	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m ³	04
6.	Ozone (O ₃)	IS: 5182 (Part-9)	18.2	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	15.4	µg/m ³	400

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

Checked by: 

Authorized Signatory



Name: Raj Kumar

Designation: Technical Manager

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

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TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/23/12/26/003


Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/A/23/12/21/03
Sampling Location	Jamuna mine site	Format No.	7.5 F-02
Date of Monitoring	18.12.2023 to 19.12.2023	Party Ref. No	-
Time of Monitoring	1170 min.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573709°
Instrument calibration status	Calibrated	Longitude	81.084712°
Surrounding activity	-	Ambient Temperature - Ta (°C)	26
Parameter Required	As, C ₆ H ₆ , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

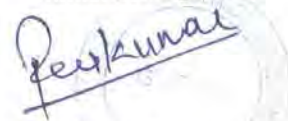
RESULTS

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

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

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TC-8336

TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/12/26/004

Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/23/12/21/04
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Jamuna Village	Party Ref. No.	-
Date of Monitoring	18.12.2023 to 19.12.2023	Receipt Date	21.12.2023
Time of Monitoring	1224 min.	Latitude	24.556455°
Scope of Monitoring	Environmental Monitoring	Longitude	81.093728°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	26
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃ , NH ₃	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 ₁₀)	IS-5182 (Part-23)	68.4	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	39.0	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	22.8	µg/m ³	80
4.	Sulphur dioxide (SO ₂)	IS: 5182 (Part-2)	8.5	µg/m ³	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m ³	04
6.	Ozone (O ₃)	IS: 5182 (Part-9)	17.6	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	19.0	µg/m ³	400

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

Checked by:

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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

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TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/12/26/004

Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/A/23/12/21/04
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	18.12.2023 to 19.12.2023	Party Ref. No	-
Time of Monitoring	1224 min.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556455°
Instrument calibration status	Calibrated	Longitude	81.093728°
Surrounding activity	-	Ambient Temperature - Ta (°C)	26
Parameter Required	As, C ₆ H ₆ , 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 ³	For Annual = 06
2.	Benzene (C ₆ H ₆)	IS: 5182 (Part-11)	<1.0	µg/m ³	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m ³	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m ³	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m ³	For 24 Hrs. = 5

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

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/23/12/26/009

Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/12/21/09
Sampling Location	Jamuna mine site	Format No.	7.5 F-04
Date of Monitoring	18.12.2023 to 19.12.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573710°
Instrument Used	Noise Meter	Longitude	81.084712°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	26
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)	27.1	-	IS:9989-1981
2.	Lmax	dB(A)	57.7	-	IS:9989-1981
3.	Leq day	dB(A)	49.1	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	35.4	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	40.7	-	IS:9989-1981

Checked by:

Anishora

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TC-8336

TEST REPORT (Noise Quality)

Date: 26.12.2023


Report No.: GECRC/N/23/12/26/010

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/12/21/010
Sampling Location	Jamuna Village	Format No.	7.5 F-04
Date of Monitoring	18.12.2023 to 19.12.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556457°
Instrument Used	Noise Meter	Longitude	81.093726°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	26
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

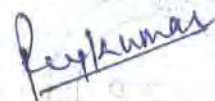
RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	Lmin	dB(A)	28.0	-	IS:9989-1981
2.	Lmax	dB(A)	54.3	-	IS:9989-1981
3.	Leq day	dB(A)	44.5	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	34.6	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	40.0	-	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TC-8336

TEST REPORT (Water)

Report No : GECRC/W/23/12/27/001

Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited. (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/23/12/21/013
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Mine Site	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	7.81	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	708.0	-	-
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)	440.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	325.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	391.4	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	189.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	202.4	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	75.6	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	49.2	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	51.9	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	92.4	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	17.6	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)	0.7	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)	3.6	-	-
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:

Name: Raj Kumar
Designation: Technical Manager

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

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TEST REPORT (Water)

Report No: GECRC/N/W/23/12/27/001

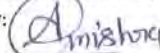
Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/23/12/21/013
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7 5 F-01
Sampling Location	Jamuna Mine Site	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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: 

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager

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GSTIN: 09AARFG5353K1ZS



TC-8336

TEST REPORT (Water)

Report No : GECRC/W/23/12/27/006

Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/23/12/21/018
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Village	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	7.23	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	966.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	600.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	620.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	365.7	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	420.2	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	181.8	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	238.4	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	72.7	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	57.9	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	91.1	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	104.6	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	23.4	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.26	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)	3.6	-	-
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:

Amishra

Authorized Signatory:

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Water)

Report No: GECRC/N/W/23/12/27/006

Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/23/12/21/01B
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Village	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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:

(Signature)

Authorized Signatory:

(Signature)

Name: Raj Kumar

Designation: Technical Manager

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GSTIN: 09AARFG5353K1ZS



TC-8336

TEST REPORT (Surface Water)

Report No: GECRC/SW/23/12/27/007

Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Number	GECRC/SW/23/12/21/019
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	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	7.82
2	Conductivity	µS/cm	IS : 3025 (Part-14)	692.0
3	Turbidity	NTU	IS : 3025 (Part-10)	3.0
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)	225.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	302.8
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	162.0
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	140.8
10	Calcium	mg/l	IS : 3025 (Part-40)	64.8
11	Magnesium	mg/l	IS : 3025 (Part-46)	34.2
12	Chloride	mg/l	IS : 3025 (Part-32)	21.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	88.4
14	Nitrate	mg/l	IS : 3025 (Part-34)	6.4
15	Iron	mg/l	IS : 3025 (Part-53)	0.06
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.6
17	COD	mg/l	IS : 3025 (Part-58)	20.0
18	BOD	mg/l	IS : 3025 (Part-44)	5.4
19	DO	mg/l	IS : 3025 (Part-38)	6.5
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	4.0
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.08

Checked by:

Authorized Signatory:

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Surface Water)

Report No :GECRC/N/SW/23/12/27/007

Reporting Date:27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/SW/23/12/21/019
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	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	5.2
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3	Total Coliform	MPN/100ml	IS : 1622 :1981	1000.0

BDL = Below Detection Limit,

Checked by: *Amishra*

Authorized Signatory:

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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GSTIN: 09AARFG5353K1Z5



TC-8336

TEST REPORT (Surface Water)

Report No: GECRC/SW/23/12/27/008

Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Number	GECRC/SW/23/12/21/020
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Canal	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	7.59
2	Conductivity	µS/cm	IS : 3025 (Part-14)	672.0
3	Turbidity	NTU	IS : 3025 (Part-10)	3.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	360.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	380.0
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	214.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	311.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	189.0
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	122.0
10	Calcium	mg/l	IS : 3025 (Part-40)	75.6
11	Magnesium	mg/l	IS : 3025 (Part-46)	29.6
12	Chloride	mg/l	IS : 3025 (Part-32)	20.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	80.2
14	Nitrate	mg/l	IS : 3025 (Part-34)	6.2
15	Iron	mg/l	IS : 3025 (Part-53)	0.08
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.5
17	COD	mg/l	IS : 3025 (Part-58)	24.0
18	BOD	mg/l	IS : 3025 (Part-44)	6.5
19	DO	mg/l	IS : 3025 (Part-38)	7.0
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.4
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.10

Checked by:

(Signature)

Authorized Signatory:

(Signature)

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Surface Water)

Reporting Date: 27.12.2023

Report No: GECRC/N/SW/23/12/27/008

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/SW/23/12/21/020
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Canal	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	5.6
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL < 5.0
3	Total Coliform	MPN/100ml	IS : 1622 : 1981	1200.0

BDL - Below Detection Limit,

Checked by: *Amish*

Authorized Signatory:

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Soil)


Report No: GECRC/S/23/12/27/011

Reporting Date: 27.12.2023

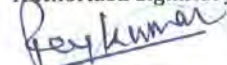
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/S/23/12/21/023
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine pit	Party Ref. No	NA
Sampling Date	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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)	8.23
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.294
3	Organic matter	%	IS : 2720 (Part -22)	1.535
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	18.65
5	Potassium	mg/kg	IS : 9497 :2005	9.0

Checked by: 

Authorized Signatory:



Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Soil)

Report No: GECRC/N/S/23/12/27/011


Reporting Date: 27.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/S/23/12/21/023
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	18.12.2023	Receipt Date	21.12.2023
Sampling & Analysis Period	21.12.2023 to 26.12.2023	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 ⁶⁺	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	20.83
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	26.3
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: 

Authorized Signatory


Name: Raj Kumar

Designation: Technical Manager

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3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.



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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/23/12/26/012

Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	GECRC/N/N/23/12/21/012
Sampling Location	Jamuna mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	17.12.2013	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	27
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 _{min}	dB(A)	36.0	-	IS:9989-1981
2.	L _{max}	dB(A)	68.2	85 dB(A)	IS:9989-1981

Checked by:

Amishori

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/23/12/26/013


Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/N/23/12/21/013
Sampling Location	Jamuna working Pit	Format No.	7.5 F-04
Date of Monitoring	16.12.2013	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.572829°
Instrument Used	Noise Meter	Longitude	81.085772°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	28
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 _{min}	dB(A)	33.3	-	IS:9989-1981
2.	L _{max}	dB(A)	62.5	85 dB(A)	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT Work Place Monitoring (Dust)


Report No.: GECRC/N/N/23/12/26/017

Date: 26.12.2023

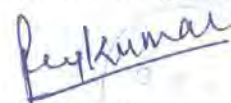
Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem kumar	Sample Description	Work Place Monitoring
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/N/23/12/21/017
Sampling Location	Jamuna mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	18.12.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/48	Ambient Temperature - Ta (°C)	26
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)	6.0	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.25	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.83	µg/m ³	-

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT Work Place Monitoring (Dust)

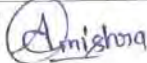
Report No.: GECRC/N/N/23/12/26/018

Date: 26.12.2023

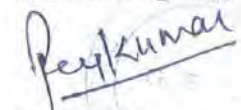
Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem kumar	Sample Description	Work Place Monitoring
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	GECRC/N/N/23/12/21/018
Sampling Location	Jamuna working Pit	Format No.	7.5 F-04
Date of Monitoring	18.12.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/49	Ambient Temperature - Ta (°C)	27
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)	5.5	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.31	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.66	µg/m ³	-

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/23/12/26/007


Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Description	Fugitive Emission
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	GECRC/N/A/23/12/21/007
Sampling Location	Jamuna near mine site (Transportation Point)	Format No.	7.5 F-02
Date of Monitoring	16.12.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	21.12.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument calibration status	Calibrated	Longitude	-
Surrounding activity	Human, Vehicle Activates	Ambient Temperature - Ta (°C)	26
Parameter Required	SPM	Meteorological Condition	Clear Sky
Instrument Used	RDS	Control measure if any	No Any
Instrument code	GECRC/EQP/24	Protocol Used	IS:5182 & CPCB Guidelines

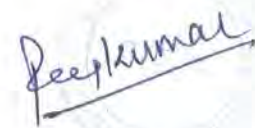
RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	109.7	µg/m ³	600.0

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

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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

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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/23/12/26/011


Date: 26.12.2023

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Description	Fugitive Emission
		Sample Number	GECRC/N/A/23/12/21/011
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Format No.	7.5 F-02
Sampling Location	Jamuna mine site (Loading Point)	Party Ref. No	-
Date of Monitoring	17.12.2023	Receipt Date	21.12.2023
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	27
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)	175.8	$\mu\text{g}/\text{m}^3$	600.0

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

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TC-8336

TEST REPORT (Ambient Air)

Report No.: GECRC/A/24/02/29/017

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/24/02/24/017
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Jamuna mine site	Party Ref. No.	-
Date of Monitoring	20.02.2024 to 21.02.2024	Receipt Date	24.02.2024
Time of Monitoring	1218 min.	Latitude	24.573697°
Scope of Monitoring	Environmental Monitoring	Longitude	81.084718°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	24
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃ , NH ₃	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)		

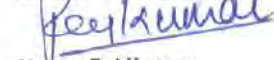
RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	70.5	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	35.9	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	20.3	µg/m ³	80
4.	Sulphur dioxide (SO ₂)	IS: 5182 (Part-2)	7.7	µg/m ³	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m ³	04
6.	Ozone (O ₃)	IS: 5182 (Part-9)	17.4	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	14.6	µg/m ³	400

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

Checked by: 

Authorized Signatory



Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Ambient Air)

Report No.: GECRC/A/24/02/29/017


Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dhantulari Prem Kumar	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/24/02/24/017
Sampling Location	Jamuna mine site	Format No.	7.5 F-02
Date of Monitoring	20.02.2024 to 21.02.2024	Party Ref. No	-
Time of Monitoring	1218 min.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.573697°
Instrument calibration status	Calibrated	Longitude	81.084718°
Surrounding activity	-	Ambient Temperature - Ta (°C)	24
Parameter Required	As, C ₆ H ₆ , 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 ³	For Annual = 06
2.	Benzene (C ₆ H ₆)	IS: 5182 (Part-11)	<1.0	µg/m ³	For 24 Hrs. = 5
3.	Benzo (a) Pyrene (BaP)	IS: 5182 (Part-12)	<0.05	ng/m ³	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m ³	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m ³	For 24 Hrs. = 5

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

Checked by: 

Authorized Signatory



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Designation: Technical Manager

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GSTIN: 09AARFG5353K1ZS



TEST REPORT (Ambient Air)

Report No.: GECRC/A/24/02/29/018

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/24/02/24/018
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Jamuna Village	Party Ref. No	-
Date of Monitoring	20.02.2024 to 21.02.2024	Receipt Date	24.02.2024
Time of Monitoring	1383 min.	Latitude	24.556474°
Scope of Monitoring	Environmental Monitoring	Longitude	81.093712°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	25
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃ , NH ₃	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 ₁₀)	IS-5182 (Part-23)	63.8	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	31.3	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	20.6	µg/m ³	80
4.	Sulphur dioxide (SO ₂)	IS: 5182 (Part-2)	6.5	µg/m ³	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m ³	04
6.	Ozone (O ₃)	IS: 5182 (Part-9)	17.9	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	16.2	µg/m ³	400

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

Checked by:

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/24/02/29/018

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dhantulari Prem Kumar	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/24/02/24/018
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	20.02.2024 to 21.02.2024	Party Ref. No	-
Time of Monitoring	1283 min.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.556474°
Instrument calibration status	Calibrated	Longitude	81.093712°
Surrounding activity	-	Ambient Temperature - Ta (°C)	25
Parameter Required	As, C ₆ H ₆ , 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 ³	For Annual = 06
2.	Benzene (C ₆ H ₆)	IS: 5182 (Part-11)	<1.0	µg/m ³	For 24 Hrs. = 5
3.	Benzo (a) Pyrine (BaP)	IS: 5182 (Part-12)	<0.05	ng/m ³	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m ³	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	<0.05	µg/m ³	For 24 Hrs. = 5

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

Checked by:

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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

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GSTIN: 09AARFG5353K1ZS



TEST REPORT (Noise Quality)

Report No.: GECRC/N/24/02/29/025


Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/24/02/24/025
Sampling Location	Jamuna mine site	Format No.	7.5 F-04
Date of Monitoring	20.02.2024 to 21.02.2024	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.573696°
Instrument Used	Noise Meter	Longitude	81.084716°
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

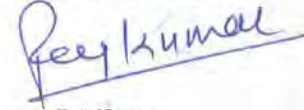
RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules, 2000	Method
1.	L _{min}	dB(A)	29.5	-	IS:9989-1981
2.	L _{max}	dB(A)	67.6	-	IS:9989-1981
3.	Leq day	dB(A)	55.1	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	40.0	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	45.3	-	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/24/02/29/026


Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh (Field Assistant)	Sample Number	GECRC/N/24/02/24/026
Sampling Location	Jamuna Village	Format No.	7.5 F-04
Date of Monitoring	20.02.2024 to 21.02.2024	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.556475°
Instrument Used	Noise Meter	Longitude	81.093710°
Instrument code	GECRC/EQP/03	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.	L _{min}	dB(A)	30.3	-	IS:9989-1981
2.	L _{max}	dB(A)	62.4	-	IS:9989-1981
3.	Leq day	dB(A)	51.9	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	37.7	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	43.1	-	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/24/02/29/002


Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	GECRC/N/N/24/02/24/002
Sampling Location	Jamuna mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	15.02.2024	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	23
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

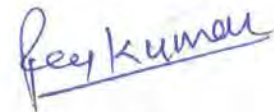
RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	L _{min}	dB(A)	38.9	-	IS:9989-1981
2.	L _{max}	dB(A)	66.7	85 dB(A)	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/24/02/29/003

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/N/24/02/24/003
Sampling Location	Jamuna to Bairiha (Transportation Point)	Format No.	7.5 F-04
Date of Monitoring	16.02.2024	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	21
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 _{min}	dB(A)	44.7	-	IS:9989-1981
2.	L _{max}	dB(A)	68.2	85 dB(A)	IS:9989-1981

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/24/02/29/004

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (M.P.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Work Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Sample Number	GECRC/N/N/24/02/24/004
Sampling Location	Jamuna working Pit	Format No.	7.5 F-04
Date of Monitoring	16.02.2024	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	24.02.2024
Scope of Monitoring	Environmental Monitoring	Latitude	24.572801°
Instrument Used	Noise Meter	Longitude	81.085779°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	23
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 _{min}	dB(A)	40.4	-	IS:9989-1981
2.	L _{max}	dB(A)	63.1	85 dB(A)	IS:9989-1981

Checked by:

Amishon

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/24/02/29/008


Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Fugitive Emission
		Sample Number	GECRC/N/A/24/02/24/008
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-02
Sampling Location	Jamuna mine West site (Loading Point)	Party Ref. No	-
Date of Monitoring	15.02.2024 to 16.02.2024	Receipt Date	24.02.2024
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	23
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		

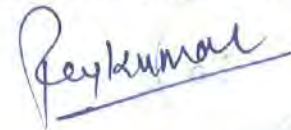
RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	105.6	µg/m ³	600.0

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

Checked by: 

Authorized Signatory

Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/24/02/29/009

Date: 29.02.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Dantulari Prem Kumar	Sample Description	Fugitive Emission
		Sample Number	GECRC/N/A/24/02/24/009
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Format No.	7.5 F-02
Sampling Location	Jamuna mine East site (Loading Point)	Party Ref. No	-
Date of Monitoring	15.02.2024 to 16.02.2024	Receipt Date	24.02.2024
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	22
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)	101.8	µg/m ³	600.0

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

Checked by: 

Authorized Signatory



Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Water)

Report No : GECRC/W/24/03/01/001

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/24/02/24/031
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Mine Site	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	7.81	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	708.0	-	-
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)	440.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	325.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	361.5	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	204.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	157.5	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	81.6	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	38.3	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part 32)	51.9	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	92.4	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	17.6	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)	0.7	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:

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Water)

Report No: GECRC/N/W/24/03/01/001

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/24/02/24/031
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Mine Site	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, Coliform	Protocol Used	IS:3025(Part-1)

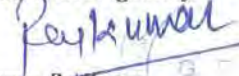
RESULTS

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: 

Authorized Signatory:


Name: Raj Kumar
Designation: Technical Manager

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TC-8336

TEST REPORT (Water)

Report No :GECRC/W/24/03/01/006

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/24/02/24/036
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Village	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	7.49	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	600.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	BDL<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	360.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	420.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	300.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	398.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	206.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	192.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	82.4	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	46.6	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	26.0	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	96.8	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	15.2	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.26	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.6	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)	3.4	-	-
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:

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Water)

Report No: GECRC/N/W/24/03/01/006


Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/W/24/02/24/036
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Jamuna Village	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate, Zinc, Coliform	Protocol Used	IS:3025(Part-1)

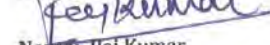
RESULTS

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: 

Authorized Signatory:



Name: Raj Kumar

Designation: Technical Manager

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TC-8336

TEST REPORT (Surface Water)

Report No: GECRC/SW/24/03/01/007

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Number	GECRC/SW/24/02/24/037
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	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	7.91
2	Conductivity	µS/cm	IS : 3025 (Part-14)	760.0
3	Turbidity	NTU	IS : 3025 (Part-10)	3.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	460.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	480.0
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	230.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	325.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	180.0
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	145.2
10	Calcium	mg/l	IS : 3025 (Part-40)	72.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	35.3
12	Chloride	mg/l	IS : 3025 (Part-32)	17.5
13	Sulphate	mg/l	IS : 3025 (Part-24)	94.4
14	Nitrate	mg/l	IS : 3025 (Part-34)	9.6
15	Iron	mg/l	IS : 3025 (Part-53)	0.05
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.5
17	COD	mg/l	IS : 3025 (Part-58)	24.0
18	BOD	mg/l	IS : 3025 (Part-44)	6.5
19	DO	mg/l	IS : 3025 (Part-38)	6.2
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	4.4
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.12

Checked by:

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Surface Water)

Report No : GECRC/N/SW/24/03/01/007


Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/SW/24/02/24/037
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	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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	1000.0

BDL = Below Detection Limit,

Checked by: 

Authorized Signatory:



Name: Raj Kumar

Designation: Technical Manager

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TC-8336

TEST REPORT (Surface Water)

Report No: GECRC/SW/24/03/01/008

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, Satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem kumar	Sample Number	GECRC/SW/24/02/24/038
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Canal	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	7.87
2	Conductivity	µS/cm	IS : 3025 (Part-14)	660.0
3	Turbidity	NTU	IS : 3025 (Part-10)	3.0
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)	245.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	323.3
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	198.0
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	125.3
10	Calcium	mg/l	IS : 3025 (Part-40)	79.2
11	Magnesium	mg/l	IS : 3025 (Part-46)	30.4
12	Chloride	mg/l	IS : 3025 (Part-32)	19.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	84.6
14	Nitrate	mg/l	IS : 3025 (Part-34)	7.8
15	Iron	mg/l	IS : 3025 (Part-53)	0.06
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)	5.0
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.8
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.08

Checked by:

Amisha

Authorized Signatory:

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Surface Water)

Report No: GECRC/N/SW/24/03/01/008

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/SW/24/02/24/038
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Canal	Party Ref. No	NA
Sampling Date	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	5.2
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3	Total Coliform	MPN/100ml	IS : 1622 :1981	1200.0

BDL = Below Detection Limit,

Checked by: *A Mishra*

Authorized Signatory:

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TC-8336

TEST REPORT (Soil)

Report No: GECRC/S/24/03/01/011

Reporting Date: 01.03.2024


Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/S/24/02/24/041
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	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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)	8.19
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.224
3	Organic matter	%	IS : 2720 (Part -22)	1.359
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	19.0
5	Potassium	mg/kg	IS : 9497 :2005	8.3

Checked by: 

Authorized Signatory:



Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Soil)

Report No: GECRC/N/S/24/03/01/011

Reporting Date: 01.03.2024

Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Jamuna Limestone Mine) Rampur Baghelan, satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Dantuluri Prem Kumar	Sample Number	GECRC/S/24/02/24/041
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	21.02.2024	Receipt Date	24.02.2024
Sampling & Analysis Period	24.02.2024 to 29.02.2024	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 ⁶⁺	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	19.52
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	24.6
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

Checked by:

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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