

Date: 28.11.2023

To,
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

Sub: 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.*

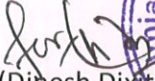
Ref: Environmental Clearance from SEIAA Letter No. 7687/SEIAA/21 dated
25.03.2021.

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 **April 2023 to September,**
2023 for your kind perusal and record.

Thanking You

Yours Faithfully,
For Dalmia Cement (Bharat) Ltd.


(Dinesh Dixit)
HOD, Mines



Encl: As Above 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

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A Dalmia Bharat group company, www.dalmiabharat.com

Half Yearly Compliance Report of Specific Conditions of Environmental Clearance

April 2023 to September 2023

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 100 saplings have been planted in the ML area during this compliance period in addition to 480 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.

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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.
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/2021/1309 1. 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 Validity Extension of NOC on 27.06.2023 (Copy enclosed Annexure-II) and the same is awaited.
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.

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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.
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.	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:- Village:-Jamuna 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	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. The following activities as committed have already been undertaken: 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.

	<p>making, soft toys & gem jeweller and beautician courses).</p> <p>j) To provide educational facilities (school bags, stationery items, tables, chairs, blackboards, computers etc.) in govt. school.</p> <p>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>4. Installation of 3 Drinking Water Tanks at Jamuna. Total Cost Rs 3.25 Lakh.</p> <p>5. 10 Computers were given to Government High School Jamuna for enhancement of quality education. Total Cost Rs 2.89 Lakh.</p> <p>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.</p> <p>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.</p> <p>The details with photographs were already submitted with the previous compliance report.</p>
22.	<p>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.</p>	<p>Noted.</p>
<p>B. Pre-Mining Phase</p>		
23.	<p>The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.</p>	<p>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.)</p>

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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.	<p>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-57708 dated 03-03-2023 Consent granted upto 31/05/2024 A copy of CTO already submitted with previous compliance report.</p>
25.	Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.	<p>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 upto 31.05.2026. (A copy of the same was already submitted with the previous compliance report.).</p>
26.	PP will also carry out fencing all around the lease area.	<p>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).</p>
27.	If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.	<p>Noted. No trees have been uprooted yet.</p>
28.	For dust suppression, regular sprinkling of water should be undertaken.	<p>Noted. Currently water tanker is being used.</p>
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.	<p>Noted.</p>
30.	PP will obtain other necessary clearances/NOC from respective authorities.	<p>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-57708 dated 03-03-2023 Consent granted upto</p>

		<p>31/05/2024. (Copy submitted with previous compliance report).</p> <p>3. 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 NOC on 27.06.2023 (Copy enclosed Annexure-II) and the same is awaited.</p>
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.
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.

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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="277 264 935 1218"> <thead> <tr> <th data-bbox="277 264 328 394">S. No.</th> <th data-bbox="328 264 533 394">Particulars</th> <th data-bbox="533 264 639 394">Pre-Operational (Ha.)</th> <th data-bbox="639 264 756 394">Operational (Ha.)</th> <th data-bbox="756 264 935 394">Post-Operational (Ha.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="277 394 328 721">1</td> <td data-bbox="328 394 533 721">Pit area</td> <td data-bbox="533 394 639 721">0.36</td> <td data-bbox="639 394 756 721">10.05</td> <td data-bbox="756 394 935 721">73.462 (43.962Ha. Backfilled and Reclaimed & Rehabilitated by Plantation and 29.50 Ha. for Water Reservoir).</td> </tr> <tr> <td data-bbox="277 721 328 786">2</td> <td data-bbox="328 721 533 786">Dump Area</td> <td data-bbox="533 721 639 786">Nil</td> <td data-bbox="639 721 756 786">4.94</td> <td data-bbox="756 721 935 786">Nil</td> </tr> <tr> <td data-bbox="277 786 328 851">3</td> <td data-bbox="328 786 533 851">Road</td> <td data-bbox="533 786 639 851">0.40</td> <td data-bbox="639 786 756 851">0.40</td> <td data-bbox="756 786 935 851">0.40 (Public Use)</td> </tr> <tr> <td data-bbox="277 851 328 916">4</td> <td data-bbox="328 851 533 916">Infrastructure</td> <td data-bbox="533 851 639 916">Nil</td> <td data-bbox="639 851 756 916">0.50</td> <td data-bbox="756 851 935 916">Nil</td> </tr> <tr> <td data-bbox="277 916 328 981">5</td> <td data-bbox="328 916 533 981">Retaining Wall/ Bund and Drain</td> <td data-bbox="533 916 639 981">Nil</td> <td data-bbox="639 916 756 981">0.60</td> <td data-bbox="756 916 935 981">Nil</td> </tr> <tr> <td data-bbox="277 981 328 1046">6</td> <td data-bbox="328 981 533 1046">Plantation</td> <td data-bbox="533 981 639 1046">Nil</td> <td data-bbox="639 981 756 1046">2.0</td> <td data-bbox="756 981 935 1046">15.372</td> </tr> <tr> <td data-bbox="277 1046 328 1184">7</td> <td data-bbox="328 1046 533 1184">Un-worked (Existing plantation approx. 7 Ha.)</td> <td data-bbox="533 1046 639 1184">88.474</td> <td data-bbox="639 1046 756 1184">70.744</td> <td data-bbox="756 1046 935 1184">Nil</td> </tr> <tr> <td data-bbox="277 1184 328 1218"></td> <td data-bbox="328 1184 533 1218">Total</td> <td data-bbox="533 1184 639 1218">89.234</td> <td data-bbox="639 1184 756 1218">89.234</td> <td data-bbox="756 1184 935 1218">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.)	Noted.

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	c) Production capacity of the project.	
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 receipt is already submitted with the previous report. A copy of the environment monitoring report is Attached as Annexure-III.
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.

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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.
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. <i>A copy of the environment monitoring report is Attached as Annexure-III.</i>
27.	Ambient air quality at the boundary of the mine premises shall conform 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 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.	Noted. During the operation of the mine, regular water sprinkling will be done on haul roads, loading and unloading, and at 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,	Noted. Rainwater harvesting has been prepared and submitted along with the Application for CGWA

	Bhopal and MP PCB within six months and thereafter every year from the next consequent year.	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 (Copy enclosed Annexure-II) and the same is awaited. 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 the DCBL has applied for Validity Extension of NOC on 27.06.2023 (Copy enclosed Annexure-II) and the same is awaited. 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 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	Complied. A detailed Hydrogeological Study report has already been submitted with the previous compliance report.

	mitigating steps to contain any adverse impact on ground water is implemented.	
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.

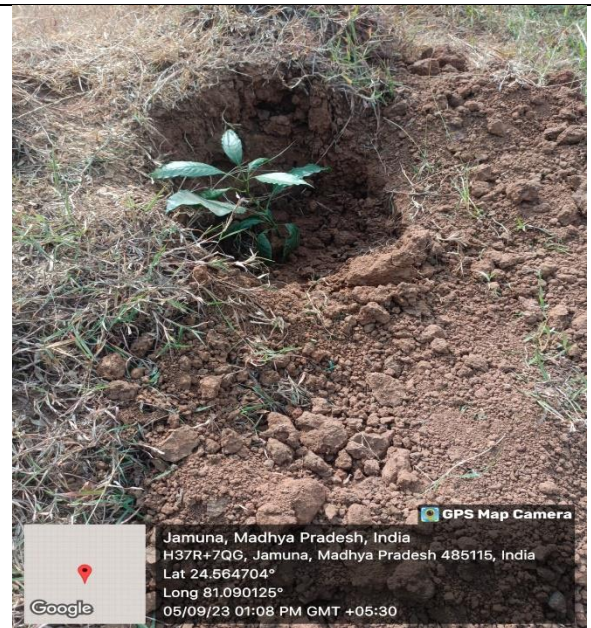
Jamuna Limestone Mine, Village – Jamuna, Tehsil - Rampur Baghelan, District – Satna

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	Noted.

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

	effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
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.
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 attract 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, SO ₂ , NO _x (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.

Saplings Planted at Jamuna ML:



Details of Saplings Planted at Jamuna ML area:

Dalmia Cement Bharat Limited			
Jamuna Limestone Mine			
Sr. No.	Name of Tree	No. of Saplings	Month and Year
1	Gulmohar Tree	30	September 2023
2	Mango Tree	15	September 2023
3	Jamun Tree	05	September 2023
4	Neem Tree	10	September 2023
5	Kaner Tree	40	September 2023
Total		100	

From: "env head" <env.head@dalmiacement.com>

To: "Sh A K Biswal" <rdnrcr-cgwb@nic.in>

Sent: Tuesday, June 27, 2023 10:37:41 AM

Subject: Jamuna Limestone Mine (ML Area – 89.234 Ha) at Village - Jamuna, Tehsil – Rampur Baghelan, District – Satna, Madhya Pradesh by M/s Dalmia Cement (Bharat) Ltd (DCBL) – Request for Extension of Validity of Existing NOC regarding.

To

Regional Director,

Central Ground Water Board,

North Central Region, Block-1,

4th Floor, Paryawas Bhawan,

Area Hills, Jail Road, Bhopal,

Madhya Pradesh - 462011

Subject: Jamuna Limestone Mine (ML Area – 89.234 Ha) at Village - Jamuna, Tehsil – Rampur Baghelan, District – Satna, Madhya Pradesh by M/s Dalmia Cement (Bharat) Ltd (DCBL) – **Request for Extension of Validity of Existing NOC regarding.**

Ref: 1. NOC No: CGWA/NOC/MIN/ORIG/2021/13091 dated 25/09/2021 and valid upto 24/09/2023.

Dear Sir,

With reference to aforesaid subject and above cited reference matter; we would like to bring to your kind notice that CGWA NOC has been obtained for ground water abstraction for the said project vide NOC No: CGWA/NOC/MIN/ORIG/2021/13091 dated 25/09/2021 and valid upto 24/09/2023. **(Copy enclosed- Annexure-1).**

We would like to mention that the purchase of Land required for the said mining project is incomplete. Due to unavailability of contiguous Land, the mining operations has not been started at the reasonable capacity and we have 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. As the land purchase is still going on, we anticipate to construct the proposed Tube well(s) after the completion of land purchase.

Considering the same, we request your good self to kindly grant us the Extension of Validity of Existing NOC for further period of 2 years in line with the provision as specified under para 12 of the Notification **S.O. 3289(E)** dated 24.09.2020. In line with the guideline issued by CGWA, payment of Rs. 5000 has been made in **Penalty 070202800020000-MISC. RECEIPTS head** at <https://bharatkosh.gov.in/> vide **Transaction Ref. No. 2006230010704** dated 20.06.2023. **(Copy enclosed- Annexure-2)**

Thanking you and with regards,

Yours faithfully,

For Dalmia Cement (Bharat) Limited

(V. Karthikeyan)

Deputy Executive Director

Encl: As above

Date: 21.06.2023

To
Regional Director,
Central Ground Water Board,
North Central Region, Block-1,
4th Floor, Paryawas Bhawan,
Area Hills, Jail Road, Bhopal,
Madhya Pradesh - 462011

Subject: Jamuna Limestone Mine (ML Area – 89.234 Ha) at Village - Jamuna, Tehsil – Rampur Baghelan, District – Satna, Madhya Pradesh by M/s Dalmia Cement (Bharat) Ltd (DCBL) – **Request for Extension of Validity of Existing NOC regarding.**

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Thanking you and with regards,

Yours faithfully,

For Dalmia Cement (Bharat) Limited


(V. Karthikeyan) 21/6/23
Deputy Executive Director

Encl: As above



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Jamuna Limestone Mine		
Project Address:	Village-jamuna, Tehsil-rampur Baghelan, District-satna Madhya Pradesh		
Village:	Jamuna	Block:	Rampur Baghelan
District:	Satna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	11th And 12th Floors, Hansalaya,, 15 Barakhamba Road,, , New Delhi, Delhi - 110001		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1. NOC No.:	CGWA/NOC/MIN/ORIG/2021/13091											
2. Application No.:	21-4/1046/MP/MIN/2020	3. Category: (GWRE 2020)	Semi Critical									
4. Project Status:	New Project	5. NOC Type:	New									
6. Valid from:	25/09/2021	7. Valid up to:	24/09/2023									
8. Ground Water Abstraction Permitted:												
	Fresh Water		Saline Water	Dewatering		Total						
	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year				
	75.00	22500.00										
9. Details of ground water abstraction /Dewatering structures												
	Total Existing No.:2						Total Proposed No.:0					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
10. Ground Water Abstraction/Restoration Charges paid (Rs.):							90000.00					
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers						Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder	1						0	1	0			

(Compliance Conditions given overleaf)

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

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

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

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

Mandatory conditions:

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

General conditions:

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

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



bharatkosh.gov.in
Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 2006230010704

Dated: Jun 20 2023 5:09PM

Received from M/S. DALMIA CEMENT BHARAT LTD with Transaction Ref.No. 2006230010704

Dated Jun 20 2023 5:09PM the sum of INR 5000 (Five Thousand Only) through Internet based Online payment in the account of

Penalty, , Fee for Extension of Existing NOC of Jamuna Mine.

Disclaimer:- This is a system generated electronic receipt, hence no physical signature is required for the purpose of authentication

Printed On: 20-06-2023 05:28:30



Global Environmental Consultancy And Research Centre

2/390 A, Vibhav Khand, Gomti Nagar, Lucknow-226010
Mob: +91-9454278891, 7607377997, 8960040004, 8299682829 E-mail: info@gecrc@gmail.com
GSTIN: 09AARFG5353K1ZS



TC-8336

TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/09/22/004

Date: 22.09.2023

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/A/23/09/10/004
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	04.09.2023 to 05.09.2023	Party Ref. No	-
Time of Monitoring	1227 min.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556472°
Instrument calibration status	Calibrated	Longitude	81.093718°
Surrounding activity	-	Ambient Temperature - Ta (°C)	34
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃ , NH ₃	Meteorological Condition	Clear Sky
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Control measure if any	No Any
Instrument code	GECRC/EQP/22, GECRC/EQP/25, GECRC/EQP/26, GECRC/EQP/25(a)	Protocol Used	IS:5182 & CPCB Guidelines

RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	61.7	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	34.5	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	24.3	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)	18.9	µg/ m ³	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	17.1	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/23/09/22/004

Date: 22.09.2023

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/A/23/09/10/004
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	04.09.2023 to 05.09.2023	Party Ref. No	-
Time of Monitoring	1227 min.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556472°
Instrument calibration status	Calibrated	Longitude	81.093718°
Surrounding activity	-	Ambient Temperature - Ta (°C)	34
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

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TC-8336

TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/09/22/003

Date: 22.09.2023

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/23/09/10/003
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	03.09.2023 to 04.09.2023	Receipt Date	10.09.2023
Time of Monitoring	1383 min.	Latitude	24.573693°
Scope of Monitoring	Environmental Monitoring	Longitude	81.084718°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	32
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)	63.4	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	GECRC/AIR/TP/05	32.3	µg/m ³	60
3.	Nitrogen dioxide (NO ₂)	IS: 5182 (Part-6)	23.0	µg/m ³	80
4.	Sulphur dioxide (SO ₂)	IS: 5182 (Part-2)	6.7	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)	19.6	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	16.9	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

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TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/09/22/003

Date: 22.09.2023

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/A/23/09/10/003
Sampling Location	Jamuna mine site	Format No.	7.5 F-02
Date of Monitoring	03.09.2023 to 04.09.2023	Party Ref. No	-
Time of Monitoring	1383 min.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573693°
Instrument calibration status	Calibrated	Longitude	81.084718°
Surrounding activity	-	Ambient Temperature - Ta (°C)	32
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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TEST REPORT (Noise Quality)

Report No.: GECRC/N/23/09/22/011

Date: 22.09.2023

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/A/23/09/10/011
Sampling Location	Jamuna mine site	Format No.	7.5 F-04
Date of Monitoring	03.09.2023 to 04.09.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573697°
Instrument Used	Noise Meter	Longitude	81.084715°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	32
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)	28.7	-	IS:9989-1981
2.	Lmax	dB(A)	55.7	-	IS:9989-1981
3.	Leq day	dB(A)	53.8	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	37.2	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	42.7	-	IS:9989-1981

Checked by:

M. K. Singh

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT (Noise Quality)

Report No.: GECRC/N/23/09/22/012

Date: 22.09.2023

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/A/23/09/10/012
Sampling Location	Jamuna Village	Format No.	7.5 F-04
Date of Monitoring	04.09.2023 to 05.09.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556475°
Instrument Used	Noise Meter	Longitude	81.093721°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	34
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	Lmin	dB(A)	31.2	-	IS:9989-1981
2.	Lmax	dB(A)	67.8	-	IS:9989-1981
3.	Leq day	dB(A)	52.7	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	37.1	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	42.5	-	IS:9989-1981

Checked by:

[Signature]

Authorized Signatory

[Signature]

Name: Raj Kumar

Designation: Technical Manager

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TC-8336

TEST REPORT (Water)

Report No: GECRC/W/23/09/21/010

Reporting Date: 21.09.2023

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/23/09/11/002
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	05.09.2023	Receipt Date	11.09.2023
Sampling & Analysis Period	11.09.2023 to 21.09.2023	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)	7.74	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	680.0	-	-
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)	340.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	400.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	210.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	190.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	84.0	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	46.1	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	22.0	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	110.0	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	28.6	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.25	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.9	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	BDL<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	BDL<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.0	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	BDL<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	BDL<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by:

[Signature]

Authorized Signatory:

[Signature]

Name: Raj Kumar

Designation: Technical Manager



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GSTIN:09AARFG5353K1ZS

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TEST REPORT (Water)

Report No: GECRC/N/W/23/09/21/010

Reporting Date: 21.09.2023

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/23/09/11/002
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	05.09.2023	Receipt Date	11.09.2023
Sampling & Analysis Period	11.09.2023 to 21.09.2023	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	Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

Checked by:

[Handwritten Signature]

Authorized Signatory:

[Handwritten Signature]
Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Water)

Report No: GECRC/W/23/09/21/009

Reporting Date: 21.09.2023

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/23/09/11/001
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	05.09.2023	Receipt Date	11.09.2023
Sampling & Analysis Period	11.09.2023 to 21.09.2023	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)	7.49	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:

[Handwritten Signature]

Authorized Signatory:

[Handwritten Signature]
Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Water)

Report No: GECRC/N/W/23/09/21/009

Reporting Date: 21.09.2023

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/23/09/11/001
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	05.09.2023	Receipt Date	11.09.2023
Sampling & Analysis Period	11.09.2023 to 21.09.2023	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	Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

Checked by:

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Authorized Signatory:

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager



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

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GSTIN: 09AARFG5353K1ZS



TEST REPORT (Surface Water)

Report No: GECRC/SW/23/09/21/005

Reporting Date: 21.09.2023

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/23/09/10/021
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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)	7.91
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)	235.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	360.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	217.8
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	143.2
10	Calcium	mg/l	IS : 3025 (Part-40)	87.1
11	Magnesium	mg/l	IS : 3025 (Part-46)	34.5
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:

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Authorized Signatory:

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Surface Water)

Report No: GECRC/N/SW/23/09/21/005

Reporting Date: 21.09.2023

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/23/09/10/021
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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)	5.5
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3	Coliform	MPN/100ml	IS : 1622 :1981	1200.0

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/23/09/21/006

Reporting Date: 21.09.2023

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/23/09/10/022
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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)	7.87
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)	334.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	167.4
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	166.6
10	Calcium	mg/l	IS : 3025 (Part-40)	70.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	40.5
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)	28.0
18	BOD	mg/l	IS : 3025 (Part-44)	7.8
19	DO	mg/l	IS : 3025 (Part-38)	7.0
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.8
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.08

Checked by:

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Authorized Signatory:

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Surface Water)

Report No: GECRC/N/SW/23/09/21/006

Reporting Date: 21.09.2023

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/23/09/10/022
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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)	5.4
2	Zinc	mg/l	IS : 3025 (Part-49)	BDL<5.0
3	Coliform	MPN/100ml	IS : 1622 :1981	1400.0

BDL = Below Detection Limit,

Checked by:

Authorized Signatory:

Name: Raj Kumar

Designation: Technical Manager



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GSTIN:09AARFG5353K1ZS



TC-8336

TEST REPORT (Soil)

Report No: GECRC/S/23 /09/21//001

Reporting Date: 21.09.2023

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 /09/10/017
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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)	7.99
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.440
3	Organic matter	%	IS : 2720 (Part -22)	1.125
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	17.6
5	Potassium	mg/kg	IS : 9497 :2005	8.7

Checked by:

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Soil)

Report No: GECRC/N/S/23/09/21/001

Reporting Date: 21.09.2023

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/23/09/10/017
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	05.09.2023	Receipt Date	10.09.2023
Sampling & Analysis Period	10.09.2023 to 21.09.2023	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	60.0
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	24.1
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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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/23/09/22/010

Date: 22.09.2023

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 Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/09/10/010
Sampling Location	Jamuna mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	03.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	32
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)	44.0	-	IS:9989-1981
2.	L _{max}	dB(A)	68.7	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/23/09/22/011

Date: 22.09.2023

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 Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/09/10/011
Sampling Location	Jamuna to Bairiha (Transportation Point)	Format No.	7.5 F-04
Date of Monitoring	02.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	33
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)	45.1	-	IS:9989-1981
2.	L _{max}	dB(A)	74.9	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/23/09/22/012

Date: 22.09.2023

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 Zone Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/09/10/012
Sampling Location	Jamuna working Pit	Format No.	7.5 F-04
Date of Monitoring	04.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.572816°
Instrument Used	Noise Meter	Longitude	81.085772°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	33
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)	33.5	-	IS:9989-1981
2.	L _{max}	dB(A)	69.6	85 dB(A)	IS:9989-1981

Checked by:

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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



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TEST REPORT Work Place Monitoring (Dust)

Report No.: GECRC/N/N/23/09/22/021

Date: 22.09.2023

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/23/09/10/029
Sampling Location	Jamuna Entry site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	03.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/49	Ambient Temperature - Ta (°C)	34
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)	7.9	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.39	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	1.02	µg/m ³	-

Checked by:

Meha

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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TEST REPORT Work Place Monitoring (Dust)

Report No.: GECRC/N/N/23/09/22/020

Date: 22.09.2023

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/23/09/10/028
Sampling Location	Jamuna near Road site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	03.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/48	Ambient Temperature - Ta (°C)	32
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)	7.1	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.30	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.94	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/23/09/22/019

Date: 22.09.2023

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/23/09/10/027
Sampling Location	Jamuna near West site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	02.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/49	Ambient Temperature - Ta (°C)	32
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	SPM, Silica, Crystalline Silica	Protocol Used	-

RESULTS

S. No.	Parameters	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	4.7	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.38	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	1.00	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/23/09/22/018

Date: 22.09.2023

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/23/09/10/026
Sampling Location	Jamuna near East site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	02.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/48	Ambient Temperature - Ta (°C)	33
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)	5.8	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.43	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	1.21	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/23/09/22/017

Date: 22.09.2023

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/23/09/10/025
Sampling Location	Jamuna near South site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	01.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/49	Ambient Temperature - Ta (°C)	33
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	SPM, Silica, Crystalline Silica	Protocol Used	-

RESULTS

S. No.	Parameters	Method of Test	Result	Unit	Standards
1.	SPM	IS-5182 (Part-04)	8.6	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.34	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.93	µg/m ³	-

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Authorized Signatory


Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT Work Place Monitoring (Dust)

Report No.: GECRC/N/N/23/09/22/016

Date: 22.09.2023

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/23/09/10/016
Sampling Location	Jamuna near North site (working Pit)	Format No.	7.5 F-04
Date of Monitoring	01.09.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	10.09.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Handy Sampler	Longitude	-
Instrument code	GECRC/EQP/48	Ambient Temperature - Ta (°C)	32
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)	5.2	µg/m ³	10
2.	Silica	GECRC/AIR/TP/07	0.25	µg/m ³	-
3.	Crystalline Silica	GECRC/AIR/TP/08	0.86	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/23/09/22/034

Date: 22.09.2023

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	Fugitive Emission
		Sample Number	GECRC/A/23/09/16/001
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	09.09.2023 to 10.09.2023	Receipt Date	16.09.2023
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	34
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)	131.3	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/23/09/22/035

Date: 22.09.2023

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	Fugitive Emission
		Sample Number	GECRC/A/23/09/16/002
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	10.09.2023 to 11.09.2023	Receipt Date	16.09.2023
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	33
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)	119.7	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

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Designation: Technical Manager

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TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/05/22/017

Date: 22.05.2023

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	Ambient Air Sample
		Sample Number	GECRC/A/23/05/16/017
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	07.05.2023 to 08.05.2023	Receipt Date	16.05.2023
Time of Monitoring	1389 min.	Latitude	24.556450°
Scope of Monitoring	Environmental Monitoring	Longitude	81.093722°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	39
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)	70.1	µg/m ³	100
2.	Particulate Matter(PM _{2.5})	GECRC/AIR/TP/05	37.0	µg/m ³	60
3.	Nitrogen dioxide(NO ₂)	IS: 5182 (Part-6)	21.4	µg/m ³	80
4.	Sulphur dioxide(SO ₂)	IS: 5182 (Part-2)	8.7	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)	18.7	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	17.9	µg/m ³	400

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

Checked by:

Ausabhi

Authorized Signatory

Raj Kumar

Name: Raj Kumar
Designation: Technical Manager

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

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TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/23/05/22/017

Date: 22.05.2023

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	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/23/05/16/017
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	07.05.2023 to 08.05.2023	Party Ref. No	-
Time of Monitoring	1389 min.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556450°
Instrument calibration status	Calibrated	Longitude	81.093722°
Surrounding activity	-	Ambient Temperature - Ta (°C)	39
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

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TC-8336

TEST REPORT (Ambient Air)

Report No.: GECRC/A/23/05/22/016

Date: 22.05.2023

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	Ambient Air Sample
		Sample Number	GECRC/A/23/05/16/016
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	07.05.2023 to 08.05.2023	Receipt Date	16.05.2023
Time of Monitoring	1290 min.	Latitude	24.573701°
Scope of Monitoring	Environmental Monitoring	Longitude	81.084715°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	39
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)	69.0	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)	19.8	µg/m ³	80
4.	Sulphur dioxide(SO ₂)	IS: 5182 (Part-2)	7.2	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)	16.7	µg/m ³	180 (For 1 Hrs.)
					100 (For 8 Hrs.)
7.	Ammonia (NH ₃)	IS: 5182 (Part-25)	15.9	µg/m ³	400

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

Checked by:

Suzabhi

Authorized Signatory

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/23/05/22/016

Date: 22.05.2023

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	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/23/05/16/016
Sampling Location	Jamuna mine site	Format No.	7.5 F-02
Date of Monitoring	07.05.2023 to 08.05.2023	Party Ref. No	-
Time of Monitoring	1290 min.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573701°
Instrument calibration status	Calibrated	Longitude	81.084715°
Surrounding activity	-	Ambient Temperature - Ta (°C)	39
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



TC-8336

TEST REPORT (Noise Quality)

Report No.: GECRC/N/23/05/22/022

Date 22.05.2023

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	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/05/16/022
Sampling Location	Jamuna mine site	Format No.	7.5 F-04
Date of Monitoring	07.05.2023 to 08.05.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.573711°
Instrument Used	Noise Meter	Longitude	81.084712°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	39
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)	27.6	-	IS:9989-1981
2.	L _{max}	dB(A)	61.2	-	IS:9989-1981
3.	Leq day	dB(A)	52.6	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	35.8	70 dB(A)	IS:9989-1981
5.	L _{dn}	dB(A)	41.2	-	IS:9989-1981

Checked by:

Surabhi

Authorized Signatory

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager

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TC-8336

TEST REPORT (Noise Quality)

Report No.: GECRC/N/23/05/22/023

Date: 22.05.2023

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	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/23/05/16/023
Sampling Location	Jamuna Village	Format No.	7.5 F-04
Date of Monitoring	07.05.2023 to 08.05.2023	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.556460°
Instrument Used	Noise Meter	Longitude	81.093723°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	39
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)	28.3	-	IS:9989-1981
2.	L _{max}	dB(A)	53.7	-	IS:9989-1981
3.	Leq day	dB(A)	50.4	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	36.3	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	41.6	-	IS:9989-1981

Checked by:

Surabhi

Authorized Signatory

Raj Kumar
Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Water)

Report No: GECRC/W/23/05/22/009

Reporting Date: 22.05.2023

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/23/05/16/009
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	7.68	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	766.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	440.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	460.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	325.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	472.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	235.8	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	237.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	117.9	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	57.6	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	24.0	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	108.0	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	26.8	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.28	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.7	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	3.4	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part- 52)	<0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by

[Signature]

Authorized Signatory:

[Signature]
Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Water)

Report No: GECRC/N/W/23/05/22/009

Reporting Date: 22.05.2023

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/23/05/16/009
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	<5.0	5	15
3	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/23/05/22/010

Reporting Date: 22.05.2023

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/23/05/16/010
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	7.77	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	690.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	380.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	400.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	360.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	496.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	246.6	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	249.4	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	98.6	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	60.6	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)	120.0	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	24.4	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.28	0.3	No Relaxation
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.8	1.0	1.5
17	COD	mg/l	IS : 3025 (Part-58)	<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.4	-	-
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	<0.5	-	-
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	<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/23/05/22/010

Reporting Date: 22.05.2023

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/23/05/16/010
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	<5.0	-	-
2	Zinc	mg/l	IS : 3025 (Part-49)	<5.0	5	15
3	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 (Surface Water)

Report No: GECRC/SW/23/05/22/006

Reporting Date: 22.05.2023

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/23/05/16/006
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	7.87
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)	334.0
8	Calcium Hardness	mg/l	IS: 3025 (Part-40)	167.4
9	Magnesium Hardness	mg/l	IS: 3025 (Part-46)	166.6
10	Calcium	mg/l	IS: 3025 (Part-40)	70.0
11	Magnesium	mg/l	IS: 3025 (Part-46)	40.5
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)	28.0
18	BOD	mg/l	IS: 3025 (Part-44)	7.8
19	DO	mg/l	IS: 3025 (Part-38)	7.0
20	Oil & Grease	mg/l	IS: 3025 (Part-39)	3.8
21	Total Chromium	mg/l	IS: 3025 (Part - 52)	0.08

Checked by:

Authorized Signatory:
Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Surface Water)

Report No: GECRC/N/SW/23/05/22/006

Reporting Date: 22.05.2023

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/23/05/16/006
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	<5.0
3	Coliform	MPN/100ml	IS : 1622 :1981	1200.0

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/23/05/22/005

Reporting Date: 22.05.2023

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/23/05/16/005
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	7.91
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)	235.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	360.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	217.8
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	143.2
10	Calcium	mg/l	IS : 3025 (Part-40)	87.1
11	Magnesium	mg/l	IS : 3025 (Part-46)	34.5
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:

[Signature]

Authorized Signatory:

[Signature]
Name: Raj Kumar
Designation: Technical Manager

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TEST REPORT (Surface Water)

Report No: GECRC/N/SW/23/05/22/005

Reporting Date: 22.05.2023

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/23/05/16/005
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	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)	5.5
2	Zinc	mg/l	IS : 3025 (Part-49)	<5.0
3	Coliform	MPN/100ml	IS : 1622 :1981	1400.0

BDL = Below Detection Limit

Checked by:

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager


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TC-8336

TEST REPORT (Soil)

Report No: GECRC/S/23/05/22/001

Reporting Date: 22.05.2023

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/23/05/16/001
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	pH , EC, Organic matter , Phosphorous , Potassium	Protocol Used	IS:2720(Part-1) 1983

RESULTS

S. No.	Parameters	Unit	Test Method	Results
1	pH	-	IS : 2720 (Part -26)	7.72
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.428
3	Organic matter	%	IS : 2720 (Part -22)	1.228
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	18.7
5	Potassium	mg/kg	IS : 9497 :2005	8.5

Checked by:

Authorized Signatory:

Name: Raj Kumar
Designation: Technical Manager



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TEST REPORT (Soil)

Report No: GECRC/N/S/23/05/22/001

Reporting Date: 22.05.2023

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/23/05/16/001
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	08.05.2023	Receipt Date	16.05.2023
Sampling & Analysis Period	16.05.2023 to 22.05.2023	Latitude	-
Type of Sampling	Grab	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	60.0
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	24.1
4	Copper	mg/kg	IS : 440 :1964	<0.1
5	Lead	mg/kg	IS : 440 :1964	<0.1
6	Cadmium	mg/kg	GECRC/SOIL/TP/14	<0.05
7	Hexavalent Chromium	mg/kg	GECRC/SOIL/TP/13	<0.01

BDL= BelowDetection Limit

Checked by:

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Designation: Technical Manager



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TEST REPORT (Noise Quality)

Report No.: GECRC/N/N/23/05/22/030

Date: 22.05.2023

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/23/05/16/030
Sampling Location	Jamuna mine site (Loading Point)	Format No.	7.5 F-04
Date of Monitoring	10.05.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	-
Instrument Used	Noise Meter	Longitude	-
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	38
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	08 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax	Protocol Used	IS: 9989-1981 & CPCB Guidelines

RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	L _{min}	dB(A)	33.7	-	IS:9989-1981
2.	L _{max}	dB(A)	66.3	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/23/05/22/031

Date: 22.05.2023

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/23/05/16/031
Sampling Location	Jamuna working Pit	Format No.	7.5 F-04
Date of Monitoring	11.05.2023	Party Ref. No	-
Time of Monitoring	08 Hrs.	Receipt Date	16.05.2023
Scope of Monitoring	Environmental Monitoring	Latitude	24.572829°
Instrument Used	Noise Meter	Longitude	81.085770°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	39
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)	35.1	-	IS:9989-1981
2.	L _{max}	dB(A)	59.6	85 dB(A)	IS:9989-1981

Checked by:

Authorized Signatory

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Designation: Technical Manager

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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/23/05/22/020

Date: 22.05.2023

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/A/23/05/16/026
Sample Collected by (Name & Designation)	Mr. Akhand Pratap Singh	Format No.	7.5 F-02
Sampling Location	Jamuna near mine site (Transportation Point)	Party Ref. No	-
Date of Monitoring	10.05.2023	Receipt Date	16.05.2023
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	38
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)	118.9	µg/m ³	600.0

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

Checked by:

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Name: Raj Kumar
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TEST REPORT (Fugitive Emission)

Report No.: GECRC/N/A/23/05/22/035

Date: 22.05.2023

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/A/23/05/16/035
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	14.05.2023	Receipt Date	16.05.2023
Time of Monitoring	08 Hrs.	Latitude	-
Scope of Monitoring	Environmental Monitoring	Longitude	-
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	38
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)	131.6	µg/m ³	600.0

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

Checked by:

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