

To,

Date:30.11.2022

Deputy Director General of Forests (C)  
Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office, 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) Limited.- Submission of EC Compliance-reg.

Ref: Environment 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 from **April-2022 to Sept-2022** for your kind perusal and record.

Thanking You  
Yours Faithfully  
For Dalmia Cement (Bharat) Ltd.



(Dinesh Dixit)  
DGM, 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.

**Dalmia Cement (Bharat) Limited**

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

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

CIN:U65191TN1996PLC035963

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

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

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

**April 2022 to September 2022**

**EC Letter No. 7687/SEIAA/21 dated 25.03.2021**

<b>A. Specific EC conditions</b>		
<b>Sr.</b>	<b>Conditions</b>	<b>Remarks</b>
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. 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.	<b>Complied.</b>
3.	Lease agreement shall be carried out before execution of mining operation.	<b>Complied.</b>
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 along the village road in ML area with proper tree guarding during this monsoon in addition to 300 saplings planted in previous year. Photographs of the same are enclosed as <b>Annexure-I</b> . 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.	<b>Noted.</b> 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.	<b>Noted.</b>

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.	<b>Noted.</b> 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.	<b>Noted.</b> The mining operations will not intersect the ground water table during plan period and at the end of mine life. DCBL has obtained the permission for Ground Water abstraction vide NOC No CGWA/NOC/MIN/ORIG/2021/13091
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.	<b>Noted.</b> 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.	<b>Noted.</b> Waste management will be done as per the mining plan approved by IBM.
12.	No overburden will be dumped outside the mine lease area.	<b>Noted.</b> 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.	<b>Noted.</b> 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.	<b>Noted.</b> Manpower recruitment will be taken up with the progress in mining activities.
15.	Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.	<b>Noted.</b>
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, toilet and first-aid facilities will be provided for the laborers. Currently mining activities is 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 on regular basis. 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.	<b>Noted.</b> 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.	<b>Noted.</b>
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.	<b>Noted</b> and provisions under EMP, Rs. 193 Lakhs has been earmarked as capital cost and recurring cost of Rs. 27.5 Lakhs under EMP.
21.	<p>PP must ensure for implementation of compliance of the commitment made in Public Hearing and in addition to this following activities with separate budget provision under CER as committed:-  <b>Village:-Jamuna</b></p> <p>a) Construction of Boundary Wall in Govt. Primary School.</p> <p>b) Repairing of Road (500 m) Connecting Jamuna &amp; Patrahai.</p> <p>c) Repairing &amp; Refurnishment of Govt. Elementary School Rooms &amp; Toilets and Aanganwadi.</p> <p>d) To provide Drinking Water Facility by Digging of Bore well and Water Storage Tanks in govt. school and aaganwadi kendra.</p> <p>e) To provide Water Tanker to Panchayat for Supply of Water for Community Events.</p> <p>f) Organized Specialized Health Check-up Camps (Gyne, Dental, Skin, Eye).</p> <p>g) Installation of Solar Street Lights for village.</p> <p>h) Distribution of Sports Equipment to Youth Clubs and Govt. Schools.</p> <p>i) Organized women training program (cutting, tailoring, stitching/embroidery, pickle &amp; souces making, soft toys &amp; 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><b>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</b></p>	<p>The mine is in initial stage of land development and land purchase. It will be undertaken as per the Action Plan submitted during appraisal of EC.</p> <p>Following activities as committed has already been undertaken:</p> <ol style="list-style-type: none"> <li>1. Repairing of Road (180 m) has already been done connecting Jamuna &amp; Patarhai. Rs. 4.1 Lakhs has been incurred for the repair work.</li> <li>2. Construction of Additional class room in Govt High School Jamuna. Total Cost Rs 6.22 Lakh</li> <li>3. Toilet Block Construction in Govt High School Jamuna. Total Cost rs 1.74 Lakh.</li> <li>4. Installation of 3 Drinking Water Tanks at Jamuna. Total Cost Rs 3.25 Lakh.</li> <li>5. 10 Computers given to Government High School Jamuna for enhancement of quality education. Total Cost Rs 2.89 Lakh.</li> <li>6. Imparting training for skill development through Dalmia Institute of Knowledge &amp; Skill Harnessing (DiKSHA) for youths of Jamuna village. Total Cost Rs 3.64 Lakh.</li> </ol>

	implemented by PP in consultation with the District Collector and Gram Panchayat.	<p>7. Sustainable Livelihood Development Program implementation through Dalmia Bharat Foundation (DBF) for upliftment of Women, Animal Husbandry &amp; Agriculture in Jamuna Village. Total Cost Rs 3.29 Lakh.</p> <p>The details with photographs were already submitted with previous compliance report.</p>
22.	PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC, GOI, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No.930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.	<b>Noted.</b>
<b>B. Pre-Mining Phase</b>		
23.	The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.	<b>Complied.</b> Cement/Concrete Pillars are provided to demarcate the mining lease boundary along with the geographical locations in latitude and longitude. <b>(Photographs were already submitted with previous compliance report.)</b>
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.	<b>Complied.</b> CTE has been obtained vide Consent No: CTE-53428 dated 19-04-2021. <b>(Copy of the same was already submitted with previous compliance report).</b> CTO has been obtained vide Consent No: AWH-53741 dated 27-06-2021 and renewed vide Consent No: AWH-54949 dated 04-01-2022. <b>(The copies of the same were already submitted with previous compliance report).</b>
25.	Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.	<b>Complied.</b> Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules,

		2016 has been obtained vide Consent No: AWH-53741 dated 27-06-2021. <b>(Copy of the same was already submitted with previous compliance report.)</b>
26.	PP will also carry out fencing all around the lease area.	<b>Under progress.</b> The mining activities is currently limited to initial mine development and land purchase. Fencing is being <i>done</i> in the purchased area. <b>(Photographs</b> were already submitted with previous compliance report).
27.	If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.	<b>Noted.</b> No trees have been uprooted yet.
28.	For dust suppression, regular sprinkling of water should be undertaken.	<b>Noted.</b> Currently water tanker is being used.
29.	Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.	<b>Noted.</b>
30.	PP will obtain other necessary clearances/NOC from respective authorities.	DCBL has obtained necessary clearances/NOC from respective authorities as given under: 1. CTE has been obtained vide Consent No: CTE-53428 dated 19-04-2021. <b>(Copy</b> submitted with previous compliance report). 2. CTO has been obtained vide Consent No: AWH-53741 dated 27-06-2021 and renewed vide Consent No: AWH-54949 dated 04-01-2022. <b>(Copy</b> submitted with previous compliance report). 3. CGWA NOC has been obtained for abstraction of ground water vide NOC No.: CGWA/NOC/MIN/ORIG/2021/13091 dated 25.09.2021. <b>(Copy</b> submitted with previous compliance report).
31.	Slope stability study shall be carried out before commencing the mining activities.	<b>Noted.</b> Slope study will be carried out before excavation of mining pit in second bench level. Currently, initial land development and land purchase is in progress.

32.	Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.	<b>Noted.</b>
<b>C. Mining Operational Phase</b>		
33.	From crusher to the plant the crushed material shall be transported through conveyor belt.	<b>Noted.</b> 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.	<b>Noted.</b> Blasting has not been undertaken yet. Report shall be submitted once blasting is done.
35.	All the precautionary measures laid by the DGMS will be strictly followed.	<b>Noted.</b>
36.	No overcharging during blasting to avoid vibration.	<b>Noted.</b>
37.	Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.	<b>Noted.</b>
38.	Working height of the loading machines shall be compatible with bench configuration.	<b>Noted.</b>
39.	Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.	<b>Noted.</b>
40.	The dumps will be temporarily stabilized with fast growing grasses.	<b>Noted.</b>
41.	No explosive will be stored at the mine site.	<b>Noted.</b> Explosive requirement for this mine will be met from the Magazine of the adjacent mine of the same lessee.
42.	No intermediate stacking is permitted at the mine site.	<b>Noted.</b>
43.	No dump shall be stacked outside the lease area.	<b>Noted.</b>
44.	Overhead sprinklers shall be provided in mine.	<b>Noted.</b>
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.	<b>Noted.</b>
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.	<b>Noted.</b>
47.	Transportation of material shall be done in covered vehicles.	<b>Noted.</b>

48.	Transportation of minerals shall not be carried out through forest area.	<b>Noted.</b> 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.	<b>Noted.</b>				
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.	<b>Noted.</b> 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.	<b>Noted.</b> 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.	<b>Noted.</b>				
53.	For dust suppression overhead sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.	<b>Noted.</b>				
54.	The existing and proposed land use plan of the mine is as follows:				<b>Noted.</b>	
	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		



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.	<b>Noted.</b> 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.	<b>Noted.</b>
57.	Leguminous grass seeds or herbaceous species should be sown on the soil dump to prevent soil erosion.	<b>Noted.</b> 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.	<b>Noted.</b>
59.	At the conceptual stage there will be no dumping.	<b>Noted.</b>
60.	The commitments made in the public hearing are to be fulfilled by the PP.	<b>Noted and under progress.</b> Details of activities undertaken is mentioned above in specific condition 21.
61.	Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.	<b>Noted.</b> 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	<b>Complied.</b>
<b>D. Entire Life of the Project</b>		
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.	<b>Noted.</b> 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.	<b>Noted.</b>
66.	PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.	<b>Noted.</b>
67.	PP will comply with all the commitments made vide letter dated 17.02.2021.	<b>Noted.</b>

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	<b>Noted.</b>
<b>E. Standard Conditions</b>		
1.	Valid postal address of the PP with e-mail details.	<b>Address:</b> - Dalmia Cement (Bharat) Ltd, Vishwanath Tower, 1 <sup>st</sup> Floor, Near Hotel Sun Shine, Kripalpur, Rewa Road Satna. <b>Email:</b> <a href="mailto:Dixit.Dinesh@dalmiacement.com">Dixit.Dinesh@dalmiacement.com</a>
2.	Any change in the correspondence address be duly intimated to all the regulatory authority within 30 days of such change.	<b>Noted.</b> Correspondence address remains 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.	<b>Noted.</b>
4.	A display board with following details of the project is mandatory at the entry to the mine. a) Lease owner's details; Name, Contact details etc. b) Mining Lease area of the project (in ha.) c) Production capacity of the project.	<b>Noted.</b>
5.	All activities/mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.	<b>Noted.</b>
6.	All activities/mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.	<b>Noted.</b>
7.	All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies	<b>Noted.</b> We have requested MPPCB, Satna for finalization of monitoring locations and frequencies. <b>Copy of receipt is already submitted with previous report.</b> A copy of environment monitoring report is <b>Attached as Annexure-II.</b>
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.	<b>Noted.</b> Blasting has not been undertaken yet. Blasting report will be submitted within six months from the commencement of blasting operation.
9.	Controlled blasting techniques with sequential drilling shall be adopted. The blasting shall be carried out in the day time only.	<b>Noted.</b> 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.	<b>Noted.</b>

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.	<b>Noted.</b>
12.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	<b>Noted.</b>
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.	<b>Noted.</b>
14.	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	<b>Noted.</b>
15.	The transportation of the minerals extracted from the mining area shall be limited to day hours' time only.	<b>Complied and Noted.</b>
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.	<b>Noted.</b> No transportation of minerals outside lease area has been undertaken during this compliance period.
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.	<b>Noted.</b> 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.	<b>Noted.</b> 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.	<b>Noted.</b>
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.	<b>Noted.</b> 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.	<b>Noted.</b> 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.	<b>Noted.</b>
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.	<b>Noted.</b> 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 Local DFO is under 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.	<b>Noted.</b>
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 <sub>2</sub> , NO <sub>x</sub> 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.	<b>Noted.</b> We have requested MPPCB, Satna for finalization of monitoring locations and frequencies. Copy of receipt is submitted with previous compliance report.
26.	Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> ) 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.	<b>Noted.</b> Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> ) will be submitted to the Regional office, MoEF, Gol, Bhopal and the State Pollution Control Board/Central Pollution Control Board. A <i>copy of environment monitoring report is Attached as Annexure-II.</i>
27.	Ambient air quality at the boundary of the mine premises shall confirm to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.	<b>Noted.</b>
28.	Fugitive dust emissions from all the sources shall be controlled. Water spraying arrangement on haul roads,	<b>Noted.</b> During operation of the mine, regular water sprinkling will

	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.	be done on haul road, 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 is 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.	<b>Complied.</b>
30.	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months and thereafter every year from the next consequent year.	<b>Noted.</b> Rain water harvesting has prepared and submitted along with the Application for CGWA NOC. CGWA NOC has been obtained vide NOC No.: CGWA/NOC/MIN/ORIG/2021/13091 dated 25.09.2021. Rain water harvesting will be undertaken as per the approved plan. Copy of plan is already submitted with 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.	<b>Noted.</b>  CGWA NOC has been obtained for abstraction of ground water vide NOC No.: CGWA/NOC/MIN/ORIG/2021/13091 dated 25.09.2021.  No ground water has been abstracted yet. With the start of abstraction of ground water and excavation of 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 <sup>st</sup> 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.	<b>Complied.</b> During this compliance period, no effluent has been generated because of limited activities. However, in future it will be ensured that the effluent generated from the workshop when established will be treated by using Oil and Grease trap and treated water will be reused in dust suppression along haul road. Zero discharge will be practiced. In no case treated effluent shall be discharged outside ML boundary.

33.	Hydro-geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	<b>Complied.</b> Detailed Hydrogeological Study report has already been submitted with previous compliance report.
34.	Occupational health checkup for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required. It should be made available for inspection whenever asked. Necessary funds for this also should be earmarked.	<b>Noted.</b> This is new mine Pre-employment health check-up of recruited workers and Periodic health check-up as stipulated condition will be undertaken.
35.	Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.	<b>Complied.</b>
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.	<b>Complied.</b>
37.	Commitment towards CSR have to be followed strictly.	<b>Noted.</b>
38.	Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.	<b>Noted.</b> 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.	<b>Noted.</b> 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.	<b>Noted.</b> All activities under environmental protection measures are maintained under Separate accounting head is being maintained. Year wise expenditure will be reported at the end of Financial Year. Mine received CTO on 27.06.2021.

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 Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other relevant documents has been submitted to Regional Office, MoEF, Gol, Bhopal and MPPCB vide letter dated 30.11.2021. Copy of submission receipt was submitted with 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.	<b>Complied.</b> Copy of Environmental Clearance submitted to Sarpanch, Jamuna. Copy of submission receipt is submitted with 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 <a href="http://www.mpseiaa.nic.in">www.mpseiaa.nic.in</a> and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.	<b>Complied.</b> A public notice informing about 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 previous compliance report. Copy of Environmental Clearance has been submitted to Regional Office, MoEF, Gol, Bhopal. Acknowledgement receipt has been submitted with 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.	<b>Noted.</b>
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 at 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 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	<b>Noted.</b>
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	<b>Noted.</b>

	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.	<b>Noted.</b>
49.	The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.	<b>Noted.</b>
50.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and qtract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted.</b>
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.	<b>Noted.</b>
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.	<b>Noted.</b>
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 <sub>2</sub> , NO <sub>x</sub> (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.	<b>Complied.</b> It has been uploaded on Company's Website <a href="http://www.dalmiacement.com">www.dalmiacement.com</a>
54.	The environmental statement for each financial year ending 31 <sup>st</sup> 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.	<b>Noted.</b>



## Annexure-I

### Saplings Planted along the Village Road in ML area with Tree Guarding:



**Details Saplings Planted along the Village Road in Jamuna ML area:**

<b>Dalmia Cement Bharat Limited</b>		
<b>Jamuna Limestone Mine</b>		
<b>Sr. No.</b>	<b>Name of Tree</b>	<b>No. of Saplings</b>
1	Karanj	40
2	Jamun	60
<b>Total</b>		<b>100</b>



# 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



## TEST REPORT (Ambient Air)

Report No.: GECRC/A/22/09/19/009

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/22/09/12/09
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	07.09.2022 to 08.09.2022	Receipt Date	12.09.2022
Time of Monitoring	1274 min.	Latitude	24.573699°
Scope of Monitoring	Environmental Monitoring	Longitude	81.084715°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	29
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/25, GECRC/EQP/26, GECRC/EQP/25(a)		

## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter (PM <sub>10</sub> )	IS-5182 (Part-23)	60.2	µg/m <sup>3</sup>	100
2.	Particulate Matter (PM <sub>2.5</sub> )	GECRC/AIR/TP/05	33.0	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6)	22.2	µg/m <sup>3</sup>	80
4.	Sulphur dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2)	6.5	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	18.0	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	17.1	µg/m <sup>3</sup>	400

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

Checked by: Burabhi

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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

### Note:

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 days.
- The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified







# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

## TEST REPORT (Ambient Air)

Report No.: GECRC/A/22/09/19/009

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/22/09/12/09
Sampling Location	Jamuna mine site	Format No.	7.5 F-02
Date of Monitoring	07.09.2022 to 08.09.2022	Party Ref. No	-
Time of Monitoring	1274 min.	Receipt Date	12.09.2022
Scope of Monitoring	Environmental Monitoring	Latitude	24.573699°
Instrument calibration status	Calibrated	Longitude	81.084715°
Surrounding activity		Ambient Temperature - Ta (°C)	29
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

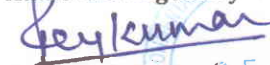
## RESULTS

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

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

Checked by: 

Authorized Signatory

  
Name: Raj Kumar G.E.C.

Designation: Technical Manager

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

### Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15days.
4. The above Results are related to the tested Sample Only.



# Global Environmental Consultancy And Research Centre

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



## TEST REPORT (Ambient Air)

Report No.: GECRC/A/22/09/19/010

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Air Sample
		Sample Number	GECRC/A/22/09/12/010
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	07.09.2022 to 08.09.2022	Receipt Date	12.09.2022
Time of Monitoring	1285 min.	Latitude	24.556475°
Scope of Monitoring	Environmental Monitoring	Longitude	81.093718°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	29
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , NH <sub>3</sub>	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/24, GECRC/EQP/27, GECRC/EQP/24(a)		

## RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM <sub>10</sub> )	IS-5182 (Part-23)	64.4	µg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	38.8	µg/m <sup>3</sup>	60
3.	Nitrogen dioxide(NO <sub>2</sub> )	IS: 5182 (Part-6)	23.0	µg/m <sup>3</sup>	80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	7.2	µg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	18.6	µg/m <sup>3</sup>	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	17.7	µg/m <sup>3</sup>	400

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

Checked by: Burabhi

Authorized Signatory

Raj Kumar

Name: Raj Kumar

Designation: Technical Manager

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

### Note:

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 days.
- The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified





GSTIN:09AARFG5353K1ZS

# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

## TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/22/09/19/010

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Air Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/A/22/09/12/010
Sampling Location	Jamuna Village	Format No.	7.5 F-02
Date of Monitoring	07.09.2022 to 08.09.2022	Party Ref. No	-
Time of Monitoring	1285 min.	Receipt Date	12.09.2022
Scope of Monitoring	Environmental Monitoring	Latitude	24.556475°
Instrument calibration status	Calibrated	Longitude	81.093718°
Surrounding activity	-	Ambient Temperature - Ta (°C)	29
Parameter Required	As, C <sub>6</sub> H <sub>6</sub> , BaP, Ni, Pb	Meteorological Condition	Clear Sky
Control measure if any	No Any	Protocol Used	IS:5182 & CPCB Guidelines

## RESULTS

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

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

Checked by: Rajabha

Authorized Signatory

Name: Raj Kumar

Designation: Technical Manager

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

### Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 days.
4. The above Results are related to the tested Sample Only.





# Global Environmental Consultancy And Research Centre

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



TC-8336

## TEST REPORT (Noise Quality)

Report No.: GECRC/N/22/09/19/017

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/22/09/12/017
Sampling Location	Jamuna mine site	Format No.	7.5 F-04
Date of Monitoring	07.09.2022 to 08.09.2022	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	12.09.2022
Scope of Monitoring	Environmental Monitoring	Latitude	24.573699°
Instrument Used	Noise Meter	Longitude	81.084715°
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	29
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	L <sub>min</sub>	dB(A)	25.3	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	53.7	-	IS:9989-1981
3.	Leq day	dB(A)	44.5	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	33.8	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	39.1	-	IS:9989-1981

Checked by: Surobhi

Authorized Signatory

Raj Kumar  
Name: Raj Kumar  
Designation: Technical Manager

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

### Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15days.
4. The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified

Page 1 | 1





# 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



## TEST REPORT (Noise Quality)

Report No.: GECRC/N/22/09/19/018

Date: 19.09.2022

Name & Address of Party	M/s Dalmia Cement Bharat Limited (Jamuna Limestone mine) Rampur Baghelan, Satna (MP.)		
Client Representative (Name & Designation)	Mr. Nagarjuna Churi	Sample Description	Ambient Noise Sample
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/22/09/12/018
Sampling Location	Jamuna Village	Format No.	7.5 F-04
Date of Monitoring	07.09.2022 to 08.09.2022	Party Ref. No	-
Time of Monitoring	24 Hrs.	Receipt Date	12.09.2022
Scope of Monitoring	Environmental Monitoring	Latitude	24.556475°
Instrument Used	Noise Meter	Longitude	81.093718°
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	30
Instrument calibration status	Calibrated	Meteorological Condition	Clear Sky
Sampling Duration	24 Hrs.	Control measure if any	No any
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines

## RESULTS

All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	L <sub>min</sub>	dB(A)	27.3	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	58.5	-	IS:9989-1981
3.	Leq day	dB(A)	45.3	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	34.6	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	39.9	-	IS:9989-1981

Checked by: Awabhi

Authorized Signatory

Raj Kumar  
G.E.C.

Name: Raj Kumar  
Designation: Technical Manager

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

### Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15days.
4. The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified

Page 1 | 1







# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010  
Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com  
GSTIN:09AARFG5353K1Z5



## TEST REPORT (Water)

Report No: GECRC/W/22/09/19/001

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/001
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	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	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.66	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	577.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	<0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	340.0	500.0	2000.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	360.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	310.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	460.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	200.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	260.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	80.0	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	63.2	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	26.5	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	116.2	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	18.8	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.22	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)	<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.5	-	-
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

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

Note.

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The results relate to the item sampled and tested.

Page01/01

ISO 9001:2015 Certified



ACCREDITED  
Management System  
Certification  
MSCB-119

18001:2007  
IN84699C



# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogec@ gmail.com

## TEST REPORT (Water)

Report No: GECRC/N/W/22/09/19/001

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/001
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, 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

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

### Note.

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.





# 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



## TEST REPORT (Water)

Report No: GECRC/W/22/09/19/002

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/002
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	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	Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	-	IS : 3025 (Part-11)	7.42	6.5-8.5	No Relaxation
2	Conductivity	µS/cm	IS : 3025 (Part-14)	710.0	-	-
3	Turbidity	NTU	IS : 3025 (Part-10)	<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)	500.0	-	-
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	385.0	200.0	600.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	500.0	200.0	600.0
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	320.0	-	-
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	480.0	-	-
10	Calcium	mg/l	IS : 3025 (Part-40)	128.0	75.0	200.0
11	Magnesium	mg/l	IS : 3025 (Part-46)	43.7	30.0	100.0
12	Chloride	mg/l	IS : 3025 (Part-32)	24.5	250.0	1000.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	110.8	200.0	400.0
14	Nitrate	mg/l	IS : 3025 (Part-34)	19.4	45.0	No Relaxation
15	Iron	mg/l	IS : 3025 (Part-53)	0.23	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)	<4.0	-	-
18	BOD	mg/l	IS : 3025 (Part-44)	<2.0	-	-
19	DO	mg/l	IS : 3025 (Part-38)	4.7	-	-
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

Name: Raj Kumar

Designation: Technical Manager

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

### Note.

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The results relate to the item sampled and tested.

Page 01/01

ISO 9001:2015 Certified





GSTIN:09AARFG5353K1ZS

# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

## TEST REPORT (Water)

Report No: GECRC/N/W/22/09/19/002

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/002
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, 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

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

### Note.

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The results relate to the item sampled and tested.





# Global Environmental Consultancy And Research Centre

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



## TEST REPORT (Soil)

Report No: GECRC/S/22/09/19/027

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/S/22/09/12/027
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Composite	Longitude	
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	pH , EC, Organic matter , Phosphorous , Potassium	Protocol Used	IS:3025(Part-1)

## RESULTS

S. No.	Parameters	Unit	Test Method	Results
1	pH	-	IS : 2720 (Part -26)	8.25
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.434
3	Organic matter	%	IS : 2720 (Part -22)	1.123
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	15.9
5	Potassium	mg/kg	IS : 9497 :2005	8.2

Checked by:

*Ashok*

Authorized Signatory:

*Raj Kumar*

Name: Raj Kumar  
Designation: Technical Manager

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

### Note:

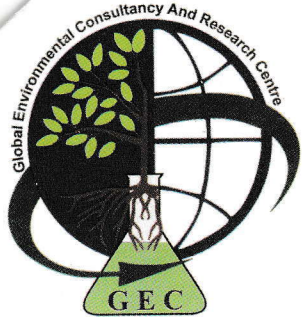
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.

Page01/01

ISO 9001:2015 Certified







GSTIN:09AARFG5353K1ZS

# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogec@ gmail.com

## TEST REPORT (Soil)

Report No: GECRC/S/22/09/19/027

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/S/22/09/12/027
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Composite	Longitude	-
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	Particle Distribution, Water Holding Capacity, Free Ammonical Nitrogen, Cu, Pb, Cd, Cr <sup>6+</sup>	Protocol Used	IS:3025(Part-1)

## 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	64.0
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	21.3
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= Below Detection Limit

Checked by:

Authorized Signatory:

Name: Raj Kumar

Designation: Technical Manager

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

### Note.

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.



# 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



## TEST REPORT (Surface Water)

Report No: GECRC/SW/22/09/19/023

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/SW/22/09/12/023
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine pit	Party Ref. No	NA
Sampling Date	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	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)	8.28
2	Conductivity	µS/cm	IS : 3025 (Part-14)	775.0
3	Turbidity	NTU	IS : 3025 (Part-10)	4.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	440.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	460.0
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	7.8
7	Total Hardness	mg/l	IS : 3025 (Part-21)	350.2
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	199.8
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	150.4
10	Calcium	mg/l	IS : 3025 (Part-40)	79.9
11	Magnesium	mg/l	IS : 3025 (Part-46)	36.5
12	Chloride	mg/l	IS : 3025 (Part-32)	17.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	82.8
14	Nitrate	mg/l	IS : 3025 (Part-34)	9.2
15	Iron	mg/l	IS : 3025 (Part-53)	0.09
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.8
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)	6.8
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	4.8
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.08

Checked by:

*[Signature]*

Authorized Signatory:

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

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

### Note.

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.

Page 01/01

ISO 9001:2015 Certified







# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

## TEST REPORT (Water)

Report No: GECRC/N/W/22/09/19/023

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/0023
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, Coliform	Protocol Used	IS:3025(Part-1)

## RESULTS

S. No.	Parameter	Unit	Method	Result
1	Phosphate	mg/l	IS : 3025 (Part-11)	5.3
2	Zinc	mg/l	IS : 3025 (Part-49)	<5.0
3	Coliform	MPN/100ml	IS : 1622 :1981	1000.0

BDL = Below Detection Limit,

Checked by:

*Heh*

Authorized Signatory:

*Raj Kumar*  
Name: Raj Kumar  
Designation: Technical Manager

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

### Note.

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15 Days.
- The results relate to the item sampled and tested.





# Global Environmental Consultancy And Research Centre

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



## TEST REPORT (Surface Water)

Report No: GECRC/SW/22/09/19/024

Reporting Date: 19.09.2022

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. Nagarjuna chari	Sample Number	GECRC/SW/22/09/12/024
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	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)	7.78
2	Conductivity	µS/cm	IS : 3025 (Part-14)	617.0
3	Turbidity	NTU	IS : 3025 (Part-10)	3.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	360.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	380.0
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	220.0
7	Total Hardness	mg/l	IS : 3025 (Part-21)	311.1
8	Calcium Hardness	mg/l	IS : 3025 (Part-40)	162.0
9	Magnesium Hardness	mg/l	IS : 3025 (Part-46)	149.1
10	Calcium	mg/l	IS : 3025 (Part-40)	64.8
11	Magnesium	mg/l	IS : 3025 (Part-46)	36.2
12	Chloride	mg/l	IS : 3025 (Part-32)	11.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	70.2
14	Nitrate	mg/l	IS : 3025 (Part-34)	6.8
15	Iron	mg/l	IS : 3025 (Part-53)	0.1
16	Fluoride	mg/l	IS : 3025 (Part-60)	0.7
17	COD	mg/l	IS : 3025 (Part-58)	24.0
18	BOD	mg/l	IS : 3025 (Part-44)	6.9
19	DO	mg/l	IS : 3025 (Part-38)	6.3
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	3.8
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.12

Checked by:

*Mew*

Authorized Signatory:

*Raj Kumar*  
Name: Raj Kumar  
Designation: Technical Manager

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

### Note.

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.

Page01/01

ISO 9001:2015 Certified





GSTIN:09AARFG5353K1ZS

# Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010

An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory

Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecsrc@gmail.com

## TEST REPORT (Surface Water)

Report No: GECRC/N/SW/22/09/19/024

Reporting Date: 24.09.2022

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. Nagarjuna chari	Sample Number	GECRC/W/22/09/12/024
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	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	-
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, 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	1200.0

BDL = Below Detection Limit,

Checked by: 

Authorized Signatory:

Name: Raj Kumar  
Designation: Technical Manager

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

### Note.

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 Days.
4. The results relate to the item sampled and tested.