

DCBL/ENV/MoEFCC/S-MINES/EC/COMP/052023/03

Date: 01.05.2023

✓ **Additional Principal Chief Conservator of Forests**
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing, New Secretariat Building,
Civil Lines NAGPUR - 440001

Sub: Half yearly Compliance Report of Environmental Clearance issued for Sangoda Limestone Mine located at Sangoda Village, Tq. Korpana, in Chandrapur Distt., in Maharashtra for the period of October 2022 to March 2023.

Ref: Environmental Clearance F. No. - J-11015/213/2006- IA. II(M), Date: 22nd May 2007

Dear Sir,

With respect to the subject referred above, we are submitting herewith the point wise half yearly compliance of above referred Environmental Clearance for our Sangoda Lime Stone Mines for the period of **October,2022 to March, 2023**. Soft copy of the compliance report is sent on your email ID eccompliance-mh@gov.in

Submitted for your kind information and record please.

Thanking you

Yours Faithfully,
For M/s Dalmia Cement (Bharat) Ltd.



Subbaraidu Ayyagari
(Unit Head)

- CC:**
- 1. The Regional Director, Central Pollution Control Board (CPCB), Regional Office, Jog Centre, 3rd Floor, Mumbai Pune Road, Wakdewadi, Pune, Maharashtra – 411003.**
 - 2. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. CineMax Theatre, Sion (E), Mumbai - 400 022.**
 - 3. Regional Officer, Maharashtra Pollution Control Board (MPCB), 1st Floor, Udyog Bhawan, Railway Station Road, Chandrapur – 442401**

Dalmia Cement (Bharat) Limited

Chandrapur Cement Works, Village, Naranda, Taluka – Korpana, District - Chandrapur – 442916, Maharashtra, India

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

T +91 11 2346 5100 Toll Free 1800 2020 W www.dalmiacement.com CIN: U65191TN1996PLC035963

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

A Dalmia Bharat Group company, www.dalmiabharat.com

ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

Ref: Environmental Clearance: Environment Clearance No. - J-11015/213/2006- IA. II(M), Date: 22nd May 2007 & EC Transfer Dated 06th Sept 2021

Name of the Industry: Sangoda Lime Stone Mines, Dalmia Cement Bharat limited,

EC Details – Environmental Clearance for Sangoda Limestone Mine at Tq. Korpana , in Chandrapur Distt., in Maharashtra.

Compliance Period – October 22 to March 2023

Compliance Report –

A. Specific Conditions –

(i)	Topsoil, should be stacked properly with proper slope at ear marked site (s) with adequate measures and should be used for reclamation and rehabilitation of mined out area	<ul style="list-style-type: none">• After the acquisition of the DCBL group, we have stated the mining recently. The top soil regenerated during the mine's operation will be stacked as per Mining plan.
(ii)	External OB dumps and other wastes should be stacked at earmarked sites only and should not be kept active for long period till its use for backfilling. Toe walls around the waste dumps shall be made to ensure and to prevent erosion and surface runoff. The total height of the dumps shall not exceed 30 m, each stage should preferably be of 10 m. Overall slope of the dump shall not exceed 28°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas use of geo textiles shall be undertaken for stabilization of the dumps. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on six monthly basis.	<ul style="list-style-type: none">• The topsoil in the mining area striped and preserved along the mine lease boundary.• Plantation will be carried out for its stability. The same top soil will be back filled for reclamation stage of mining.• The height of the dump will be maintained below 30 m at 10 m stage.• The slope of the dump will be maintained at 28°. Native species will be planted on the OB dump to prevent the soil erosion and surface runoff.• Monitoring and management of the vegetation will be done till the vegetation become self-sustaining.• The compliance status will be submitted to MoEF&CC along with half yearly compliance report.
(iii)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly.	<ul style="list-style-type: none">• Catch drains and siltation ponds provided to arrest the silt and sediment flow from the mines working area.• The collected water will be use for the Mines operation, Green belt development and dust suppression.

(iv)	Garland drain (size, gradient and length) shall be constructed for both mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals	<ul style="list-style-type: none"> • Will be complied as per the mining plan.
(v)	Plantation shall be raised along the mine lease area including OB dumps which will be reclaimed by green belt / afforestation in consultation with the local DFO / Agriculture Department around mine lease area etc. The density of the trees should be around 2500 plants per ha.	<ul style="list-style-type: none"> • After the acquisition of the DCBL group, we have started the mining recently. The plantation and green belt development activity started, we will comply the same.
(vi)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	<ul style="list-style-type: none"> • Construction of the Ground water recharging structures is under progress to enhance the ground water table in consultation with the Central Ground water Board, Nagpur.
(vii)	Drilling and blasting shall be by dust extractors and wet drilling.	<ul style="list-style-type: none"> • Wet drilling method is being and will be imparted for drilling during mining operation
(viii)	Ground water table shall not be encountered during mining operations. Mine working will be restricted to above water table. Prior approval of MOEF shall be taken in case mining intersects ground water table.	<ul style="list-style-type: none"> • We will not be intersecting the ground water table during mines operation. • Prior approval will be taken from MoEF&CC in case we intersect the ground water table.
(ix)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new peizometers during the mining operation. The monitoring should be carried out two times in a year - pre-monsoon (April-May), post-monsoon (November) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground water Board.	<ul style="list-style-type: none"> • Regular monitoring will be conducted in and around mining lease area. • Construction of piezometer at mines lease area is under progress. • Pre-monsoon and post monsoon Ground water quality monitoring reports will be submitted to MoEF&CC, CGWA, Regional Director CGWB.

(x)	Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures during mining operation for conservation and protection of endangered fauna (Schedule-I), if any, spotted in the project area. Action plans for the same shall be prepared in consultation with wildlife department along with allocation of funds for this purpose and shall be submitted to R.O. of the Ministry at Bhopal	<ul style="list-style-type: none"> • Noted and will be complied.
(xi)	Permission from the competent authority should be obtained for drawl of ground water if any, required for the project.	<ul style="list-style-type: none"> • Noted and will be complied if required
(xii)	Suitable rainwater harvesting measures on long-term basis shall be planned and implemented in consultation with Regional Director, CGWB.	<ul style="list-style-type: none"> • We are constructing the rain water harvesting structured to recharge the ground water in consultation with CGWB, Nagpur.
(xiii)	An 50m barrier of shale between the ML area and the river shall be no mining zone. The barrier shall be afforested with plantation to prevent inundation of the area.	<ul style="list-style-type: none"> • Noted.
(xiv)	The company shall engage a doctor, who is trained in occupational health surveillance.	<ul style="list-style-type: none"> • Company has established the dispensary at the plant site with medical practitioner along with the nursing staff. Company ambulance is available to shift the casualty in case of serious condition. • For occupational health and safety measures periodical health check-up is being carried out by medical practitioner.
(xv)	At the end of the mine life. The mined out area should be backfilled to the extent possible, levelled and reclaimed by plantations.	<ul style="list-style-type: none"> • At the end of the mine life, the mined-out area will be backfilled and reclaimed by plantation as per the mining plan.
(xvi)	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in	<ul style="list-style-type: none"> • Only PUC certified vehicles will be used for mining excavation and transportation. • Vehicles transporting ore will be covered through Tarpaulin to control dust emission.

	transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded	
(xvii)	The study report of socioeconomic profile including the cropping pattern for 38 villages in buffer zone shall be submitted within one year from the date of issue of environmental clearance and submitted to the Ministry of Environment & Forests.	<ul style="list-style-type: none"> • Complied
(xviii)	Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data	<ul style="list-style-type: none"> • Being Complied.
(xx)	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mineral separation plant wastewater.	<ul style="list-style-type: none"> • Domestic sewage is not generated yet. We will be treated through Septic tank and soak pit.
(xxi)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the ministry of Environment & Forests 5 years in advance of final mine closure for approval.	<ul style="list-style-type: none"> • The same will be complied before mines closure.
(xxii)	The company shall pay compensation to the land ousters as per the land Acquisition Act/ or as decided by the State Government	<ul style="list-style-type: none"> • Complied.
	General conditions	
(i)	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment d Forests.	<ul style="list-style-type: none"> • Noted and will be followed.
(ii)	No change in the. calendar plan including excavation, quantum of mineral limestone ore and waste shall be made	<ul style="list-style-type: none"> • Noted and will be followed.
(iii)	Conservation measures for protection of flora and fauna, in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department	<ul style="list-style-type: none"> • Noted and will be followed.
(iv)	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO2, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically	<ul style="list-style-type: none"> • We have established four ambient air quality-monitoring stations in the core zone as well as in the buffer zone for RPM, SPM, SO2, NOx monitoring considering the metrological data in consultation with the MPCB.

	sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board																																																																																																																																																		
(v)	Data on ambient air quality (RPM, SPM, 502, NOx) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months	<ul style="list-style-type: none"> Half yearly Data on ambient air quality (RPM, SPM, 502, NOx) is being to MPCB on Monthly basis and to the Ministry, Regional office located at Nagpur, CPCB regional office CPCB Pune along with the Half yearly compliance report. Ambient Air Quality Monitoring data from Oct-22 to Mar-23 is given below <table border="1"> <thead> <tr> <th colspan="5">AMBIENT AIR STATION -01 Mines Lease Boundry-East Side</th> </tr> <tr> <th>Month</th> <th>PM 2.5 (ug/m³)</th> <th>PM 10 (ug/m³)</th> <th>SO₂ (ug/m³)</th> <th>NO_x (ug/m³)</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>60</td> <td>100.0</td> <td>80.0</td> <td>80.0</td> </tr> <tr> <td>Oct-22</td> <td>18.2</td> <td>37.9</td> <td>17.2</td> <td>13.3</td> </tr> <tr> <td>Nov-22</td> <td>17.2</td> <td>38.3</td> <td>15.6</td> <td>12.4</td> </tr> <tr> <td>Dec-22</td> <td>19.2</td> <td>36.8</td> <td>11.6</td> <td>18.2</td> </tr> <tr> <td>Jan-23</td> <td>17.1</td> <td>38.2</td> <td>14.7</td> <td>22.5</td> </tr> <tr> <td>Feb-23</td> <td>14.6</td> <td>35.2</td> <td>13.9</td> <td>19.4</td> </tr> <tr> <td>Mar-23</td> <td>15.8</td> <td>33.2</td> <td>11.7</td> <td>21.5</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -02 Mines Lease Boundry-South Side</th> </tr> <tr> <td>Oct-22</td> <td>19.3</td> <td>35.1</td> <td>19.1</td> <td>12.1</td> </tr> <tr> <td>Nov-22</td> <td>15.9</td> <td>36.3</td> <td>17.2</td> <td>14.2</td> </tr> <tr> <td>Dec-22</td> <td>17.4</td> <td>39.3</td> <td>14.1</td> <td>21.7</td> </tr> <tr> <td>Jan-23</td> <td>21.7</td> <td>36.8</td> <td>12.2</td> <td>24.8</td> </tr> <tr> <td>Feb-23</td> <td>19.6</td> <td>38.4</td> <td>10.4</td> <td>21.6</td> </tr> <tr> <td>Mar-23</td> <td>21.1</td> <td>35.5</td> <td>13.2</td> <td>22.4</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -03 Mines Lease Boundry-North Side</th> </tr> <tr> <td>Oct-22</td> <td>12.4</td> <td>26.2</td> <td>20.1</td> <td>13.5</td> </tr> <tr> <td>Nov-22</td> <td>16.4</td> <td>34.9</td> <td>14.6</td> <td>11.5</td> </tr> <tr> <td>Dec-22</td> <td>14.9</td> <td>38.3</td> <td>13.5</td> <td>19.5</td> </tr> <tr> <td>Jan-23</td> <td>17.9</td> <td>39.3</td> <td>16.1</td> <td>21.7</td> </tr> <tr> <td>Feb-23</td> <td>16.3</td> <td>36.8</td> <td>15.9</td> <td>19.6</td> </tr> <tr> <td>Mar-23</td> <td>17.8</td> <td>35.2</td> <td>12.6</td> <td>20.5</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -03 Mines Lease Boundry-West Side</th> </tr> <tr> <td>Oct-22</td> <td>21.5</td> <td>39.2</td> <td>19.1</td> <td>11.4</td> </tr> <tr> <td>Nov-22</td> <td>17.4</td> <td>35.3</td> <td>15.9</td> <td>12.7</td> </tr> <tr> <td>Dec-22</td> <td>18.8</td> <td>37.2</td> <td>16.2</td> <td>24.7</td> </tr> <tr> <td>Jan-23</td> <td>23.2</td> <td>36.1</td> <td>14.8</td> <td>26.2</td> </tr> <tr> <td>Feb-23</td> <td>20.7</td> <td>33.6</td> <td>13.6</td> <td>23.1</td> </tr> </tbody> </table>	AMBIENT AIR STATION -01 Mines Lease Boundry-East Side					Month	PM 2.5 (ug/m ³)	PM 10 (ug/m ³)	SO ₂ (ug/m ³)	NO _x (ug/m ³)	Standard	60	100.0	80.0	80.0	Oct-22	18.2	37.9	17.2	13.3	Nov-22	17.2	38.3	15.6	12.4	Dec-22	19.2	36.8	11.6	18.2	Jan-23	17.1	38.2	14.7	22.5	Feb-23	14.6	35.2	13.9	19.4	Mar-23	15.8	33.2	11.7	21.5	AMBIENT AIR STATION -02 Mines Lease Boundry-South Side					Oct-22	19.3	35.1	19.1	12.1	Nov-22	15.9	36.3	17.2	14.2	Dec-22	17.4	39.3	14.1	21.7	Jan-23	21.7	36.8	12.2	24.8	Feb-23	19.6	38.4	10.4	21.6	Mar-23	21.1	35.5	13.2	22.4	AMBIENT AIR STATION -03 Mines Lease Boundry-North Side					Oct-22	12.4	26.2	20.1	13.5	Nov-22	16.4	34.9	14.6	11.5	Dec-22	14.9	38.3	13.5	19.5	Jan-23	17.9	39.3	16.1	21.7	Feb-23	16.3	36.8	15.9	19.6	Mar-23	17.8	35.2	12.6	20.5	AMBIENT AIR STATION -03 Mines Lease Boundry-West Side					Oct-22	21.5	39.2	19.1	11.4	Nov-22	17.4	35.3	15.9	12.7	Dec-22	18.8	37.2	16.2	24.7	Jan-23	23.2	36.1	14.8	26.2	Feb-23	20.7	33.6	13.6	23.1
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(vi)	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	<ul style="list-style-type: none"> Water sprinkling is being and will be done at haul roads, loading and unloading points and material transfer points to control the fugitive dust emission. 				

(vii)	<p>Measures shall be taken for control of noise levels below 85 d8A in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.</p>	<ul style="list-style-type: none"> We have taken all the control measured to maintain the Noise Level below 85 dB in the work environment. The ambient air noise level monitoring report from Oct-22 to Mar-23 is given below <table border="1" data-bbox="1039 341 2031 930"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Location</th> <th colspan="2">Mines Lease Boundary East</th> <th colspan="2">Mines Lease Boundary South</th> <th colspan="2">Mines Lease Boundary North</th> <th colspan="2">Mines Lease Boundary West</th> </tr> <tr> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> <th>Day Time</th> <th>Night Time</th> </tr> </thead> <tbody> <tr> <td></td> <td>Standard-</td> <td>75 (dB)</td> <td>70 (dB)</td> <td>75 (dB)</td> <td>70 (dB)</td> <td>75 (dB)</td> <td>70 (dB)</td> <td>75 (dB)</td> <td>70 (dB)</td> </tr> <tr> <td>1</td> <td>Oct-22</td> <td>54.2</td> <td>40.2</td> <td>52.5</td> <td>43.2</td> <td>59.2</td> <td>41.4</td> <td>56.3</td> <td>42.2</td> </tr> <tr> <td>2</td> <td>Nov-22</td> <td>51.2</td> <td>43.6</td> <td>56.2</td> <td>42.5</td> <td>53.9</td> <td>43.6</td> <td>56.7</td> <td>45.3</td> </tr> <tr> <td>3</td> <td>Dec-22</td> <td>50.2</td> <td>41.6</td> <td>54.7</td> <td>43.9</td> <td>52.6</td> <td>43.8</td> <td>57.1</td> <td>46.3</td> </tr> <tr> <td>4</td> <td>Jan-23</td> <td>50.1</td> <td>40.4</td> <td>52.3</td> <td>40.6</td> <td>51.6</td> <td>42.7</td> <td>54.6</td> <td>43.8</td> </tr> <tr> <td>5</td> <td>Feb-23</td> <td>51.3</td> <td>39.6</td> <td>50.7</td> <td>40.1</td> <td>51.2</td> <td>42.8</td> <td>52.5</td> <td>40.6</td> </tr> <tr> <td>6</td> <td>Mar-23</td> <td>49.6</td> <td>39.9</td> <td>51.2</td> <td>43.6</td> <td>49.9</td> <td>39.6</td> <td>50</td> <td>40.1</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Required PPE like ear plug and Ear muffs provided to the workmen engaged in the operation of HEMM. 	Sr. No.	Location	Mines Lease Boundary East		Mines Lease Boundary South		Mines Lease Boundary North		Mines Lease Boundary West		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time		Standard-	75 (dB)	70 (dB)	75 (dB)	70 (dB)	75 (dB)	70 (dB)	75 (dB)	70 (dB)	1	Oct-22	54.2	40.2	52.5	43.2	59.2	41.4	56.3	42.2	2	Nov-22	51.2	43.6	56.2	42.5	53.9	43.6	56.7	45.3	3	Dec-22	50.2	41.6	54.7	43.9	52.6	43.8	57.1	46.3	4	Jan-23	50.1	40.4	52.3	40.6	51.6	42.7	54.6	43.8	5	Feb-23	51.3	39.6	50.7	40.1	51.2	42.8	52.5	40.6	6	Mar-23	49.6	39.9	51.2	43.6	49.9	39.6	50	40.1
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1	Oct-22	54.2	40.2	52.5	43.2	59.2	41.4	56.3	42.2																																																																																	
2	Nov-22	51.2	43.6	56.2	42.5	53.9	43.6	56.7	45.3																																																																																	
3	Dec-22	50.2	41.6	54.7	43.9	52.6	43.8	57.1	46.3																																																																																	
4	Jan-23	50.1	40.4	52.3	40.6	51.6	42.7	54.6	43.8																																																																																	
5	Feb-23	51.3	39.6	50.7	40.1	51.2	42.8	52.5	40.6																																																																																	
6	Mar-23	49.6	39.9	51.2	43.6	49.9	39.6	50	40.1																																																																																	
(viii)	<p>Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under &SR 422 (E) dated VP May, 1993 and 31' December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.</p>	<ul style="list-style-type: none"> There will be no generation of Trade effluent from mining process. The hazardous waste generated from the Mines operation will be dispose / recycles as per Hazardous and Other Waste management rule. 																																																																																								
(ix)	<p>Personnel working in dusty areas shall wear protective respiratory devices and</p>	<ul style="list-style-type: none"> Personal protective Equipments like Dust Mask provided to the worker working in the dusty area. 																																																																																								

	they shall also be provided with adequate training and information on safety and health aspects.	<ul style="list-style-type: none"> Regular trainings are imported for the workers for Health and safety awareness.
(x)	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	<ul style="list-style-type: none"> For occupational health and safety measures periodical health check-up is being carried out by medical practitioner at plant site.
(xi)	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	<ul style="list-style-type: none"> A separate environmental management cell comprising of qualified and experienced staff is established under the control of Senior Executive who report to Unit head.
(xii)	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<ul style="list-style-type: none"> Complied.
(xiii)	The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	<ul style="list-style-type: none"> Will be complied. Fund earmarked for environmental protection measures will be kept in separate account.
(xiv)	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work	<ul style="list-style-type: none"> Complied
(xv)	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports	<ul style="list-style-type: none"> Noted and we will extend full cooperation to the officials of Regional office during their visit.
(xvi)	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal..	<ul style="list-style-type: none"> Complied

(xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days	<ul style="list-style-type: none"> • Complied
(xviii)	The project authorities should advertise at least n two local newspaper 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 letter 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 Ministry of Environment and Forests at- http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.	<ul style="list-style-type: none"> • Complied
(xx)	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	<ul style="list-style-type: none"> • Noted
(XXI)	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	<ul style="list-style-type: none"> • Noted
(XXII)	The above conditions will be enforced inter-alia, under the provisions of the Water Prevention (Control of Pollution) Act, 1974, the Air (Prevention and Control of pollution) Act, 1981 the- Environment (Protection) Act, 1986 and the Public Liability insurance Act, 1991 along -with their amendments and rules.	<ul style="list-style-type: none"> • Noted



Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

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Test Report

Report No.: ME-NG15969-221101-SA- DCL-CHANDRAPUR		Date: 05.11.2022	
Name and Address of Customer	DALMIA CEMENT (BHARAT) LTD. Sangoda Mines, Naranda, Korpana Road, Chandrapur.		Order Reference
			PO. No.:4813002356/286 PO. Date 06.10.2022
Sample Description/Type	Ground water	Sample Collected by	Laboratory
Sampling Location	Sangoda Block 03	Sample Quantity/Packing	2L X 1 No. PVC Can 500mL X 1 No. PVC Can
Date of Sampling	18.10.2022	Date of Receipt of Sample	19.10.2022
Sampling Procedure	IS:3025(Part I): 1987 RA2019, APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	19.10.2022	Date of Completion of Analysis	01.11.2022

ULR- TC748722000014857F

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Ground Water)				
1	pH	-	7.6	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
2	Electrical Conductivity	μS/cm	110	APHA 23 rd Ed. 2017, 2510- B, 2-58
3	Total Dissolved Solids	mg/L	65	IS 3025 (Part 16):1984 RA 2017
4	Alkalinity Total (as CaCO ₃)	mg/L	44	IS 3025 (Part 23):1986 Reaffirmed 2019 Amds 1
5	Total Hardness (as CaCO ₃)	mg/L	64	IS:3025 (PART-21): 2009 RA 2019
6	Chloride (as Cl)	mg/L	1.5	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
7	Sulphate as (SO ₄)	mg/L	5.6	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
8	Nitrate (as NO ₃)	mg/L	0.57	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
Residues in water (Trace metal Element)				
9	Iron (as Fe)	mg/L	0.119	IS 3025 (Part 2) 2019
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification				

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



Note:

- The result listed refers only to the tested sample(s) and applicable parameter(s).
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QF/SALE/02/Issue No.03 Dt 05.12.2019 Amd 00 Dt 00





Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

Report No.:	ME-NG01542-230204-SA- DCL-CHANDRAPUR	Date: 04.02.2023
ULR No.:	TC748723000001416F	

Name and Address of Customer	DALMIA CEMENT (BHARAT) LTD. Sangoda Mines, Naranda-Korpana Road, Chandrapur.		PO No.: 4813002356/286 PO Date: 06.10.2022
Sample Description / Type	Ground water	Sample Collected by	Laboratory
Sampling Location	Sangoda Block 03	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can
Date of Sampling	24.01.2023	Date of Receipt of Sample	25.01.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	25.01.2023	Date of Completion of Analysis	03.02.2023

Sr. No.	Parameter	Unit	Result	Method Reference
<u>Discipline: Chemical Testing; Product Group: Water (Ground Water)</u>				
1.	pH	-	7.1	APHA 23 rd Ed. 2017, 4500-H-B, 4-95
2.	Electrical Conductivity	µS/cm	979	APHA 23 rd Ed. 2017, 2510-B, 2-58
3.	Total Dissolved Solids	mg/L	558	IS 3025 (Part 16):1984 RA 2017
4.	Alkalinity Total (as CaCO ₃)	mg/L	452	IS 3025 (Part 23):1986 RA 2019
5.	Total Hardness (as CaCO ₃)	mg/L	416	APHA 23 rd Ed. 2017, 2340-C, 2-48
6.	Chloride (as Cl)	mg/L	31.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
7.	Sulphate (as SO ₄)	mg/L	27.8	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199
8.	Nitrate (as NO ₃)	mg/L	8.40	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
<u>Residues in water (Trace metal Element)</u>				
9.	Iron (as Fe)	mg/L	0.221	IS 3025 (Part 2) 2019

END OF REPORT

- Note:**
1. BQL: Below Quantification Limit.
 2. LOQ: Limit of Quantification.
 3. The result listed refers only to the tested sample(s) and applicable parameter(s).
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 5. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

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QF/SALE/02
Issue No 03
Date 05.12.2019.
Amd 01 Date
24.12.2022


Harish Mendhi
Technical Manager
Chemical Testing



TC-7487