

DCBL/Zutting-Pimpri Mine/Env/MoEF&CC/EC Compliance/112023/01

Date: 28.11.2023

Additional Principal Chief Conservator of Forests,
Ministry of Environment, Forest & Climate Change
Integrated Regional Office,
Ground Floor, East Wing, New Secretariat Building,
Civil Lines, Nagpur- 440001.

Sub: Compliance Report of Environmental Clearance for Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana, taluka of Chandrapur district & Pimpri (30.33 Ha) Limestone mines located at Pimpri, Taluka- Korpana, District- Chandrapur, Maharashtra for the period of April 2023 to September 2023.

Ref: Environmental Clearance No. SEAC-2009/CR.12/TC.2 Dated 08.07.2010

Dear Sir,

With respect to the subject matter and referred above, we are submitting herewith the point wise half yearly compliance of Environmental Clearance for our Zutting-Pimpri Limestone Mines for the period of **April-2023 to September-2023**. Soft copy of the EC Compliance report has been emailed to ecompliance-mh@gov.in and also uploaded on MOEF&CC Parivesh Portal.

Submitted for your kind information and record please.

Thanking you

Yours Faithfully,

For **Dalmia Cement (Bharat) Ltd.**


(Subbaraidu Ayyagari)

Unit Head

- CC:**
- 1. The Regional Director, Central Pollution Control Board (CPCB), Survey No. 110, Dhankude Multi Purpose Hall, Baner Road, Baner, Pune – 411045.**
 - 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.**
 - 4. Secretary, Environment Department, Room Number 217, 2nd Floor, Mantralaya Annexe, Mumbai**

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

COMPLIANCE REPORT OF EC CONDITIONS

EC No.: SEAC-2009/CR.12/TC.2 Dated 8th July, 2010

Name of Industry: Dalmia Cement (Bharat) Limited, (Earlier Murli Industries Limited)

Project Name: Environmental Clearance for Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana taluka of Chandrapur district, & Pimpri (30.33 Ha) Limestone mines located at Pimpri, Taluka – Korpana, district – Chandrapur.

Compliance Period – April 2023 to September 2023

SN	Terms and Conditions	Compliances
i.	Mining activity should not intersect ground water table.	As per IBM approved mining plan, mining activity will not intersect the ground water table. Prior permission will be taken if intersect the water table.
ii.	Proponent should follow prevailing mines act and rules as well as other directions given by Director General of Mines safety measures.	Noted and being followed the applicable mines act and rules.
iii.	No change in mining technology and scope of work, preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Noted and Permission will be taken if required.
iv.	No additional land in excess of said above shall be used / acquired for any activity of the project without obtaining proper permission.	Noted. No additional land in excess will be acquired/used for any activity, we will take the necessary permissions, if required.
v.	Permission to draw ground water shall be obtained from the component authority prior to construction / operation of the project.	We have received the Ground Water NOC from Central Ground Water Authority/Board for the withdrawal of the 30 KLD Ground water vide NOC number CGWA/NOC/MIN/ORIG/ 2022/17157 Dated 28.11.2022. Copy of CGWA NOC is enclosed as Annexure-1
vi.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	Noted and will be complied
vii.	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December	No industrial waste water will be generated during the mine's operation. We have recently started the mines operation, domestic sewage not yet generated. In future will be disposed the domestic sewage through septic tank followed by soak pit.

	1993 or as amended from time to time, oil and grease trap shall be installed before discharge of workshop effluent.																																																																																						
viii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted. We have started the mines operation recently. We are conducting the ground water level monitoring of the nearby area. Installation of Piezometer is under progress.																																																																																					
ix.	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"> To control fugitive dust emissions from all the sources, water sprinkling is being done on the haul road by water tanker. To control the fugitive dust emission during loading and unloading of the minerals, water sprinkling will be done while loading and unloading of material and at transfer points during mines operation. 																																																																																					
x.	For controlling fugitive natural dust regular sprinkling of water in vulnerable areas of the plant shall be ensured.	Water sprinkling is being and will be done in vulnerable areas during mines operation.																																																																																					
xi.	Dust fall measurement shall be periodically carried out including particle size analysis in work zone area. Results shall be submitted to the Regional Office of the Ministry and State Government.	<p>Ambient air quality monitoring at work zone area is being carried out including PM₁₀, PM_{2.5}. Results of the ambient air quality monitoring for the compliance period are given below:</p> <table border="1"> <thead> <tr> <th colspan="5">AMBIENT AIR STATION -01 (East Side)</th> </tr> <tr> <th>Month</th> <th>PM 2.5 (µg/m³)</th> <th>PM 10 (µg/m³)</th> <th>SO₂ (µg/m³)</th> <th>NO_x (µg/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>Apr-23</td> <td>21.7</td> <td>40.2</td> <td>11.3</td> <td>16.5</td> </tr> <tr> <td>May-23</td> <td>28.7</td> <td>49.5</td> <td>10.8</td> <td>14.3</td> </tr> <tr> <td>June-23</td> <td>32.5</td> <td>52.5</td> <td>11.3</td> <td>15.6</td> </tr> <tr> <td>July-23</td> <td>30.4</td> <td>51.4</td> <td>11.6</td> <td>15.1</td> </tr> <tr> <td>Aug-23</td> <td>30.0</td> <td>57.5</td> <td>14.8</td> <td>19.3</td> </tr> <tr> <td>Sep-23</td> <td>29.6</td> <td>52.7</td> <td>12.4</td> <td>16.5</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -02 (North Side)</th> </tr> <tr> <td>Apr-23</td> <td>15.9</td> <td>35.7</td> <td>10.5</td> <td>13.6</td> </tr> <tr> <td>May-23</td> <td>26.7</td> <td>47.2</td> <td>9.61</td> <td>12.46</td> </tr> <tr> <td>June-23</td> <td>33.7</td> <td>49.9</td> <td>10.6</td> <td>13.81</td> </tr> <tr> <td>July-23</td> <td>32.5</td> <td>54.9</td> <td>13.81</td> <td>18.67</td> </tr> <tr> <td>Aug-23</td> <td>32.5</td> <td>54.9</td> <td>13.81</td> <td>18.67</td> </tr> <tr> <td>Sep-23</td> <td>28.7</td> <td>53.4</td> <td>11.35</td> <td>16.13</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -03 (South Side)</th> </tr> </tbody> </table>	AMBIENT AIR STATION -01 (East Side)					Month	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	Standard	60	100.0	80.0	80.0	Apr-23	21.7	40.2	11.3	16.5	May-23	28.7	49.5	10.8	14.3	June-23	32.5	52.5	11.3	15.6	July-23	30.4	51.4	11.6	15.1	Aug-23	30.0	57.5	14.8	19.3	Sep-23	29.6	52.7	12.4	16.5	AMBIENT AIR STATION -02 (North Side)					Apr-23	15.9	35.7	10.5	13.6	May-23	26.7	47.2	9.61	12.46	June-23	33.7	49.9	10.6	13.81	July-23	32.5	54.9	13.81	18.67	Aug-23	32.5	54.9	13.81	18.67	Sep-23	28.7	53.4	11.35	16.13	AMBIENT AIR STATION -03 (South Side)				
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		Apr-23	23.7	39.2	14.1	19.3
		May-23	26.7	45.3	10.6	14.9
		June-23	26.66	46.34	10.6	16.5
		July-23	27.91	49.21	9.1	17.0
		Aug-23	52.07	52.59	12.3	16.0
		Sep-23	28.33	50.56	10.5	16.0
xii.	Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training & information on safety and health aspects.	Personal protective equipment like Nose Mask, Ear plug is being provided and regular health & safety training is being imparted for the personnel working in the dusty areas as per the requirement.				
xiii.	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Safety measures will be provided to limit the risk zone within the plant boundary. Leak detection device is not applicable as it's an open cast limestone mine.				
xiv.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per factories act.	Occupational health surveillance of the workers is being carried out on a regular basis and records maintained as per factories act.				
xv.	First aid room shall be provided in the project. Regular medical check-up for workers and records maintained shall be carried out.	<ul style="list-style-type: none"> Well-equipped occupational centre with qualified staff is established at Plant premises which is near to mines area. Regular medical check-up for workers is being done as per the norms and records are being maintained. 				
xvi.	The company shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling.	Required fire extinguishers provided at fire prone areas.				
xvii.	The project authorities must strictly comply with the rules and regulation with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules 2003.	<ul style="list-style-type: none"> Hazardous waste not generated during compliance period. 				

	<p>Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.</p>	<ul style="list-style-type: none"> • Consent to operate and Authorization from the MPCB is received for the collections/treatment/ storage/disposal of hazardous wastes. • We will send the generated Hazardous waste (used Oil & Grease) to authorized recycler. 																																																																																																									
xviii.	<p>The solid waste shall be properly collected, segregated and disposed as per the provision of solid waste (management and Handling) Rules, 2000.</p>	<ul style="list-style-type: none"> • Noted and will be complied as per the provision of solid waste (management and Handling) Rules, 2000 and further amendments. 																																																																																																									
xix.	<p>Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the project area and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Controlled Board (MPCB) & submit report accordingly to MPCB.</p>	<ul style="list-style-type: none"> • Ambient air quality monitoring is being done at miens area. The results of ambient air quality monitoring are given below. • The monitoring reports are being submitted to the MPCB monthly, quarterly and half Yearly <table border="1" data-bbox="1249 663 2078 1377"> <thead> <tr> <th colspan="5">AMBIENT AIR STATION -01 (East Side)</th> </tr> <tr> <th>Month</th> <th>PM 2.5 (µg/m³)</th> <th>PM 10 (µg/m³)</th> <th>SO₂ (µg/m³)</th> <th>NO_x (µg/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>Apr-23</td> <td>21.7</td> <td>40.2</td> <td>11.3</td> <td>16.5</td> </tr> <tr> <td>May-23</td> <td>28.7</td> <td>49.5</td> <td>10.8</td> <td>14.3</td> </tr> <tr> <td>June-23</td> <td>32.5</td> <td>52.5</td> <td>11.3</td> <td>15.6</td> </tr> <tr> <td>July-23</td> <td>30.4</td> <td>51.4</td> <td>11.6</td> <td>15.1</td> </tr> <tr> <td>Aug-23</td> <td>30.0</td> <td>57.5</td> <td>14.8</td> <td>19.3</td> </tr> <tr> <td>Sep-23</td> <td>29.6</td> <td>52.7</td> <td>12.4</td> <td>16.5</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -02 (North Side)</th> </tr> <tr> <td>Apr-23</td> <td>15.9</td> <td>35.7</td> <td>10.5</td> <td>13.6</td> </tr> <tr> <td>May-23</td> <td>26.7</td> <td>47.2</td> <td>9.61</td> <td>12.46</td> </tr> <tr> <td>June-23</td> <td>33.7</td> <td>49.9</td> <td>10.6</td> <td>13.81</td> </tr> <tr> <td>July-23</td> <td>32.5</td> <td>54.9</td> <td>13.81</td> <td>18.67</td> </tr> <tr> <td>Aug-23</td> <td>32.5</td> <td>54.9</td> <td>13.81</td> <td>18.67</td> </tr> <tr> <td>Sep-23</td> <td>28.7</td> <td>53.4</td> <td>11.35</td> <td>16.13</td> </tr> <tr> <th colspan="5">AMBIENT AIR STATION -03 (South Side)</th> </tr> <tr> <td>Apr-23</td> <td>25.4</td> <td>37.4</td> <td>16.9</td> <td>18.8</td> </tr> <tr> <td>May-23</td> <td>25.4</td> <td>45.8</td> <td>12.3</td> <td>16.6</td> </tr> <tr> <td>June-23</td> <td>28.7</td> <td>45.9</td> <td>12.5</td> <td>16.7</td> </tr> <tr> <td>July-23</td> <td>29.6</td> <td>50.7</td> <td>10.5</td> <td>14.4</td> </tr> </tbody> </table>	AMBIENT AIR STATION -01 (East Side)					Month	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO₂ (µg/m³)	NO_x (µg/m³)	Standard	60	100.0	80.0	80.0	Apr-23	21.7	40.2	11.3	16.5	May-23	28.7	49.5	10.8	14.3	June-23	32.5	52.5	11.3	15.6	July-23	30.4	51.4	11.6	15.1	Aug-23	30.0	57.5	14.8	19.3	Sep-23	29.6	52.7	12.4	16.5	AMBIENT AIR STATION -02 (North Side)					Apr-23	15.9	35.7	10.5	13.6	May-23	26.7	47.2	9.61	12.46	June-23	33.7	49.9	10.6	13.81	July-23	32.5	54.9	13.81	18.67	Aug-23	32.5	54.9	13.81	18.67	Sep-23	28.7	53.4	11.35	16.13	AMBIENT AIR STATION -03 (South Side)					Apr-23	25.4	37.4	16.9	18.8	May-23	25.4	45.8	12.3	16.6	June-23	28.7	45.9	12.5	16.7	July-23	29.6	50.7	10.5	14.4
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xx.	Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Result shall be regularly submitted to Maharashtra Pollution Control Board.	Ground water quality reports are being submitted to the MPCB on quarterly basis. Copy of Ground water quality report is enclosed as Annexure-2				
xxi.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should confirm to Environments (Protection) Rules prescribed for air and noise emission standards.	Noted and will be complied if required				
xxii.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosive shall be taken.	Noted and will be complied as applicable.				
xxiii.	Vehicle hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours.	Vehicles with PUC and fitness certificate are being and will be allowed inside the mine's premises for mines operation.				
xxiv.	Leq. of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like car plug etc. shall be provided.	Regular noise level monitoring is being done at Mines area. Required personal protective equipment like Ear Plug/ ear muff are being provided.				

xxv.	<p>The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosure etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act 1986 rules 1989.</p>	<ul style="list-style-type: none"> Regular ambient noise level monitoring is being done at Mines area, the noise level at mines area is below permissible limit. Acoustic enclosures, hoods will be provided wherever applicable. The summary of Noise level monitoring is given below: <table border="1" data-bbox="1245 429 2078 1018"> <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>Apr-23</td> <td>51.4</td> <td>40.3</td> <td>53.6</td> <td>43.7</td> <td>55.7</td> <td>42.5</td> <td>54.4</td> <td>41.6</td> </tr> <tr> <td>2</td> <td>May-23</td> <td>60.1</td> <td>59.2</td> <td>61.2</td> <td>60.8</td> <td>58.8</td> <td>56.3</td> <td>63.3</td> <td>60.3</td> </tr> <tr> <td>3</td> <td>June-23</td> <td>59.2</td> <td>56.2</td> <td>60.7</td> <td>53.5</td> <td>62.1</td> <td>57.8</td> <td>64.1</td> <td>60.9</td> </tr> <tr> <td>4</td> <td>July-23</td> <td>60.1</td> <td>53.8</td> <td>63.2</td> <td>52.3</td> <td>65.3</td> <td>55.1</td> <td>66.3</td> <td>54.8</td> </tr> <tr> <td>5</td> <td>Aug-23</td> <td>63.3</td> <td>57.6</td> <td>65.1</td> <td>60.1</td> <td>64.3</td> <td>57.2</td> <td>65.9</td> <td>58.3</td> </tr> <tr> <td>6</td> <td>Sep-23</td> <td>64.4</td> <td>56.1</td> <td>65.1</td> <td>56.8</td> <td>66.2</td> <td>57.8</td> <td>66.3</td> <td>60.2</td> </tr> </tbody> </table>	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	Apr-23	51.4	40.3	53.6	43.7	55.7	42.5	54.4	41.6	2	May-23	60.1	59.2	61.2	60.8	58.8	56.3	63.3	60.3	3	June-23	59.2	56.2	60.7	53.5	62.1	57.8	64.1	60.9	4	July-23	60.1	53.8	63.2	52.3	65.3	55.1	66.3	54.8	5	Aug-23	63.3	57.6	65.1	60.1	64.3	57.2	65.9	58.3	6	Sep-23	64.4	56.1	65.1	56.8	66.2	57.8	66.3	60.2
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xxvi.	<p>Land use pattern of the nearby villages shall be studied and action plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages due to mining activity shall be submitted to the Regional office of the Ministry within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the Government of Maharashtra.</p>	<p>Complied with</p>																																																																																								

xxvii.	Maintenance of village roads through which transportation of ores are undertaken shall be carried out by the company regularly at its own expense. The road shall be black topped.	<ul style="list-style-type: none"> • Village road is not being/ will be used for transportation of mineral, however haul road inside the mines will be repaired as per requirement.
xxviii.	Rainwater harvesting shall be done undertaken to recharge the ground water source. Status of implementation shall be submitted to the Govt. of Maharashtra within six months and thereafter every year from the next consequent year.	<ul style="list-style-type: none"> • The surface run off of rain water will be collected in the mining pit once we start the mining operation. • Rain water harvesting structure will be constructed in mines lease area to recharge the ground water
xxix.	Measures for preventing 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 plantation of native trees and shrub shall be carried out at the dump slopes. Dumps shall be protected by retaining wall.	<ul style="list-style-type: none"> • Greenbelt development & plantation is being developed with native plant species along the mines lease boundary. Plantation will be done on OB dump to prevent the soil erosion and surface runoff. • We have started the mines operation recently, few quantity of the Production is generated and during the compliance period is NIL. • Retaining wall will be constructed to protect the Dumps.
xxx.	Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular interval 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.	<ul style="list-style-type: none"> • Trenches / garland drains will be constructed at foot of dumps and coco filters will be installed at regular interval to arrest silt • No seasonal nallah flowing inside the mines Lease area.

	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50-year data) and maximum discharge retention period to allow proper setting of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilting at regular intervals.	<ul style="list-style-type: none"> • Siltation pond will be provided and de-siltation will be done at regular intervals • Garland drain will be provided for mines pit.
xxxi.	Prior permission from the competent authority shall be obtained for extraction of ground water, if any.	We have received the Ground Water NOC from Central Ground Water Authority/Board for the withdrawal of the 30 KLD Ground water vide NOC number CGWA/NOC/MIN/ORIG/ 2022/17157 Dated 28.11.2022
xxxii.	Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the regional office of the Ministry regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.	<p>Complying with</p> <p>Ground water in the core zone of ML area is being regularly monitored for contamination and depletion due to mining activity and records are being maintained.</p> <p>The monitoring data of ground water quality is being submitted to the Integrated Regional Office of MoEF&CC regularly.</p>
xxxiii.	Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable production use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Govt. of Maharashtra.	Cultivable waste land within 5 km radius of the lease is being identified and will be developed in phase manner.
xxxiv.	Shelter Belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields/ human habitation etc. (if an in the vicinity) shall be raised.	Shelter Belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields/ human habitation etc. will be raised.
xxxv.	Monitoring of soil samples for assessment of transformation to acidic state or contamination due to mining activity (as applicable) shall be regularly conducted and records maintained.	Regular soil quality monitoring is being done and the records are being maintained. Soil quality monitoring report is enclosed as Annexure-3
xxxvi.	Transportation of ore shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore /dust takes place.	The transportation of the ore is being / will be done through tarpaulin covered trucks.

xxvii.	Occupational health and safety measures 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. The company shall engage a fulltime qualified doctor who is trained in occupational health. 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 personnel equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted follow up action wherever required.	<ul style="list-style-type: none"> • Regular periodic medical check-ups for the persons engaged in the mines is being done. • However, dispensary is established at the plant site with medical practitioner. • 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 at plant site.
xxviii.	Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.	<ul style="list-style-type: none"> • Top soil is being / will be stacked with proper slope and adequate safeguards. The top soil will be utilized for plantation & greenbelt development, backfilling, reclamation of mined out area. • 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. • Overburden (OB) will be stacked at designated place separately.
xxix.	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitation areas shall continue until the vegetation becomes self – sustaining. Compliance status shall be submitted to the ministry of Environment & Forest on six monthly basis.	<ul style="list-style-type: none"> • The Over burden (OB) generated during mines operation will be stacked at earmarked dump site(s) as per mining plan and will not be kept active for long period. • The OB dumps will be vegetated scientifically with suitable native species to prevent erosion and surface run off. • Continuous monitoring and management of rehabilitation areas will be done to maintain the vegetation to make it self – sustaining.

		<ul style="list-style-type: none"> Compliance status of the same is being submitted to the MoEF&CC on half yearly basis.
xli.	Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	Slope of the mining bench and ultimate pit limit will be maintained as per IBM approved mining plan.
xlii.	Adequate plantation shall be raised in the ML area, haul road, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agricultural Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people with the help of self-help group for plantation programme. Details of year-wise afforestation programme including rehabilitation of mine out area shall be submitted to the Govt. of Maharashtra every year.	<p>After acquisition of the MIL group, we have recently started the mining activities. Greenbelt & Plantation in the mining lease area is being developed in phase manner. Local species are being selected for the plantation. The Self-help groups are engaged in the plantation at nearby villages and around the mines area.</p> <p>Details of year-wise afforestation programme including rehabilitation of mine out area will be submitted to the Govt. of Maharashtra every year.</p>
xliii.	Regular monitoring of ground water 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. Pre-monsoon (April-May), monsoon (August), post monsoon (November) and Winter (January) and the data thus collected shall be regularly sent to MPCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.	<ul style="list-style-type: none"> Regular monitoring of ground water level will be conducted in mining lease area. Installation of Piezometer is under progress. Quality of Ground water is being monitored on quarterly basis and monitoring report is being submitted to MPCB, CGWA & Regional Director CGWB.
xliiii.	Vehicular emissions shall be kept under control and regularly monitored. Vehicle used for transportation of ores and others shall have valid permissions as prescribed under central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during the day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of ores for transportation shall be committed. The trucks transporting ore shall not pass through wild life sanctuary.	<ul style="list-style-type: none"> Only PUC certified vehicles will be used for mining excavation and transportation. Limestone Ore is being transported through Tarpaulin covered trucks to control dust emission. No overloading of ores will be done for mineral transportation. No wild life sanctuary located near to mining lease area

xliv.	Action plan with respect to suggestions/ improvements and recommendation made during public consultation / hearing shall be submitted to the Ministry and the STATE Govt. within six months.	Action plan with respect to suggestions/ improvements and recommendation made during consultation / hearing has been compiled in final EIA report.
xliv.	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forest, 5 year in advance of final mine closure for approval.	A final mine closure plan, along with details of Corpus Fund, will be submitted to the Ministry of Environment & Forest, 5 year in advance of final mine closure for approval.
xlvi.	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise break up. These costs shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purposes and year wise expenditure should report to the MPCB & this department.	<ul style="list-style-type: none"> • After acquisition of MIL group, we have started the mining operation recently. • Year wise expenditures details towards environmental protection measures is enclosed as Annexure-4
xlvii.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://envis.maharashtra.gov.in	Complied with Company has been recovered from Insolvency through National Company Law Tribunal (NCLT) route, the older documents are not available.
xlviii.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to MPCB & this department, on 1st June & 1st December of each calendar year.	<ul style="list-style-type: none"> • Half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions is being submitted in hard & soft copies to MPCB & IRO office of MoEFCC • The last Half Yearly compliance report for the period of Oct-22 to Mar-23 was submitted vide Letter No DCBL/ENV/MoEFCC/ZP-mines/EC/COMPL/052023/04 Dated 01.05.2023.
lix. CT	Six monthly monitoring reports should be submitted to the department and MPCB.	Half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions is being submitted in hard & soft copies to MPCB & IRO office of MoEFCC

i.	The project proponent during their inspection should give officials from the MPCB who would be monitoring the implementation of environmental safeguard full cooperation, facilities and documents/data. A complete set of all the documents submitted to department should be forwarded to the MPCB.	Noted and will be complied.
ii.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by SEAC & SEIAA.	Noted.



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Zutting 18.06 Ha Zutting 25.28 Ha Zutting 42.16 And Pimpri 30.33 Ha Lime Stone Mines		
Project Address:	Dalmia Cement Bharat Limited, Unit: Chandrapur Cement Works, Village - Zutting, Pimpri, Tehsil Korpana,, District Chandrapur, Maharashtra		
Village:	Naranda	Block:	Korpana
District:	Chandrapur	State:	Maharashtra
Pin Code:			
Communication Address:	Dalmia Cement (bharat) Limited, Unit : Chandrapur Cement Works, Village Naranda, Tq Korpana,, District Chandrapur, Maharashtra, Korpana, Chandrapur, Maharashtra - 442916		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1. NOC No.:	CGWA/NOC/MIN/ORIG/2022/17157											
2. Application No.:	21-4/8854/MH/MIN/2022	3. Category: (GWRE 2020)	Safe									
4. Project Status:	New Project	5. NOC Type:	New									
6. Valid from:	28/11/2022	7. Valid up to:	27/11/2024									
8. Ground Water Abstraction Permitted:												
	Fresh Water		Saline Water									
	Dewatering		Total									
	m ³ /day	m ³ /year	m ³ /day									
	m ³ /day	m ³ /year	m ³ /day									
	30.00	9900.00										
9. Details of ground water abstraction /Dewatering structures												
	Total Existing No.:0						Total Proposed No.:1					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	0	0	0	0	0	0	1	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
10. Ground Water Abstraction/Restoration Charges paid (Rs.):	9900.00											
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers						Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder	1						1	0	0			

(Compliance Conditions given overleaf)

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

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

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

Mandatory conditions:

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

General conditions:

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

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



Head Office & Lab

Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426
Gujarat. INDIA

Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN320C/22/V1/01

Reporting Date : 27/05/2023

Dalmia Cement (Bharat) Ltd.

Zutting Lime Stone Mines 79, 64/A, 88/3, 87, 85, 17, 19, 20, 32, 34, 65 -
78, Village Naranda, Taluka Korpana, District Chandrapur, Maharashtra



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN320C/22/V1/01	Sampling Date:	17/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/05/2023
Sample Type:	Water	Analysis Start Date:	22/05/2023
Sample Description:	Borewell Water Nr Zutting Village	Analysis End Date:	26/05/2023
Sample Quantity:	3.5 L	Sampling Method:	GGMP/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	Alkalinity as CaCO ₃	380.00	mg/L	APHA 23rd Edn 2320 B	-
2	Chloride	114.96	mg/L	IS 3025- Part 32	-
3	Conductivity	1334.3	uS/cm	IS 3025- Part 14	-
4	pH at 25 °C	7.65	-	IS 3025- Part 11	-
5	Sulphate	62.05	mg/L	APHA 23rd Edn 4500 SO ₄ E	-
6	Total Dissolved Solids (TDS)	820.00	mg/L	APHA 23rd Edn 2540 C	-
7	Total Hardness as CaCO ₃	460.00	mg/L	APHA 23rd Edn 2340 C	-
8	Iron as Fe	0.21	mg/L	APHA 23rd Edn 3120 B	-
9	Nitrate	0.51	mg/L	APHA 23rd Edn 4500 NO ₃ B	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Sachi Patel



Authorized Signatory
Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGML/PN/1104C/22/V5/01

Reporting Date : 07/09/2023

Dalmia Cement (Bharat) Ltd.
Zutting Lime Stone Mines 79, 64/A, 88/3, 87, 85, 17, 19, 20, 32, 34, 65 -
78, Village Naranda, Taluka Korpana, District Chandrapur, Maharashtra



SAMPLE DETAILS

Lab ID:	Lab/PN/1104C/22/V5/01	Sampling Date:	29/08/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	31/08/2023
Sample Type:	Water	Analysis Start Date:	01/09/2023
Sample Description:	G.W Of Zutting mine Guest House	Analysis End Date:	06/09/2023
Sample Quantity:	3.5L	Sampling Method:	GGML/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	Alkalinity as CaCO ₃	126.00	mg/L	APHA 23rd Edn 2320 B	-
2	BOD at 27 oC for 3 days	BQL (QL=2)	mg/L	IS 3025-Part 44	-
3	Chemical Oxygen Demand (COD)	BQL (QL=5)	mg/L	APHA 23rd Edn 5220 B	-
4	Chloride	30.99	mg/L	IS 3025- Part 32	-
5	Oil and Grease	BQL (QL=1)	mg/L	IS 3025- Part 39	-
6	pH at 25 °C	7.40	-	IS 3025- Part 11	-
7	Sulphate	40.52	mg/L	APHA 23rd Edn 4500 SO ₄ E	-
8	Total Dissolved Solids (TDS)	436.00	mg/L	APHA 23rd Edn 2540 C	-
9	Total Hardness as CaCO ₃	138.00	mg/L	APHA 23rd Edn 2340 C	-
10	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edn 2540 D	-
11	Iron as Fe	0.78	mg/L	APHA 23rd Edn 3120 B	-
12	Carbonate as CaCO ₃	BQL (QL=2)	mg/L	APHA 23rd Edn 2320 B	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

A.B. Patil

Analyzed By
Aarmi Patel



Manish Kumawat

Authorized Signatory
Manish Kumawat

Page No : 1/2

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Head Office & Lab

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/1104C/22/V5/01

Reporting Date : 07/09/2023

Dalmia Cement (Bharat) Ltd.
Zutting Lime Stone Mines 79, 64/A, 88/3, 87, 85, 17, 19, 20, 32, 34, 65 -
78, Village Naranda, Taluka Korpana, District Chandrapur, Maharashtra



SAMPLE DETAILS

Lab ID:	Lab/PN/1104C/22/V5/01	Sampling Date:	29/08/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	31/08/2023
Sample Type:	Water	Analysis Start Date:	01/09/2023
Sample Description:	G.W Of Zutting mine Guest House	Analysis End Date:	06/09/2023
Sample Quantity:	3.5L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
13	Bi Carbonate as CaHco3	126.00	mg/L	APHA 23rd Edn 2320 B	-
14	Conductivity	575	mS/cm	IS 3025- Part 14	-
15	Nitrate	2.42	mg/L	APHA 23rd Edn 4500 NO3 B	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

A. B. Patil

Analyzed By
Aarmi Patel



Manish Kumawat

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/1249C/22/V6/10

Reporting Date : 25/09/2023

Dalmia Cement (Bharat) Ltd.

Zutting Lime Stone Mines 79, 64/A, 88/3, 87, 85, 17, 19, 20, 32, 34, 65 -
78, Village Naranda, Taluka Korpana, District Chandrapur, Maharashtra



TC-7073

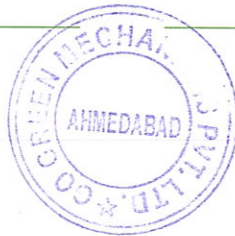
SAMPLE DETAILS

Lab ID:	Lab/PN/1249C/22/V6/10	Sampling Date:	15/09/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/09/2023
Sample Type:	Soil	Analysis Start Date:	19/09/2023
Sample Description:	Nr Mine Pit	Analysis End Date:	23/09/2023
Sample Quantity:	2 Kg	Sampling Method:	GGMPL/WI/27F
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	Available Phosphorus	0.0019	mg/kg	GGMPL/SOP/SOIL/44 Issue No.02 August 01	-
2	pH	6.83	-	IS 2720 (Part 26)	-
3	Conductivity	623.4	uS/cm	IS 14767	-
4	Iron	80659.59	mg/Kg	USEPA Method 3051A	-
5	Chloride	2884.51	mg/kg	GGMPL/SOP/SOIL/45 Issue No.02 August 01	-
6	Organic Matter	0.61	%	IS 2720 (Part XXII)	-
7	Sodium	1247.38	mg/kg	USEPA Method 3051A	-
8	Total Kjeldahl Nitrogen	142.67	mg/kg	IS 14684	-
9	Water Holding Capacity	31.57	%	IS 14765	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Sachi Patel



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Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/1249C/22/V6/10A

Reporting Date : 25/09/2023

Dalmia Cement (Bharat) Ltd.

Zutting Lime Stone Mines 79, 64/A, 88/3, 87, 85, 17, 19, 20, 32, 34, 65 -
78, Village Naranda, Taluka Korpana, District Chandrapur, Maharashtra

SAMPLE DETAILS

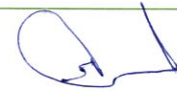
Lab ID:	Lab/PN/1249C/22/V6/10	Sampling Date:	15/09/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/09/2023
Sample Type:	Soil	Analysis Start Date:	19/09/2023
Sample Description:	Nr Mine Pit	Analysis End Date:	23/09/2023
Sample Quantity:	2 Kg	Sampling Method:	GGMP/L/WI/27F
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Sulphate	37.01	mg/kg	IS 2720(Part 27)-1977 (RA 2015)	-
2	Phosphorus As P	BQL (QL=2)	mg/kg	GGMP/L/SOP/SOIL/44	-
3	Nitrate	8.34	mg/kg	GGMP/L/SOIL/SOP-57	-
4	Exchangeable Calcium	68.47	meq/100gm	IS 5949: 2003	-

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Sachi

Analyzed By
Sachi Patel



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YEAR WISE ENVIRONMENTAL EXPENDITURES

Environmental Expenditure for Zutting Mines					
SN	Activity	April 21- March 22	April 22- March 23	April23 to Sep-23	April23 to Sep-23
				Capex (in Rs lac)	Opex (in Rs lac)
1	Operation and Maintenance of Air Pollution Control Equipment	0		-	0
2	Fugitive Dust Emission Control Measures	0	120000	-	0
3	Environment Monitoring	0	139100	45000000	198150
4	Construction of Drainage for water management	0	40000	-	0
5	Installation of water meter and Piezometer	0	0	-	0
6	Green Belt Development with Manpower cost	0	78020	-	0
8	Water Tanker for the Dust Suppression	0	50000	-	0
9	Water Tanker for the Green Belt Development	0	50000	-	0
10	Power Cost for the operation of Air Pollution Control (APC) Equipment like (ETP STP, ESP, Bag House, Bag Filters Etc.)	0	0	-	0
11	if any other Missing	0	0		
Total			477120	45000000	198150