

REGD. A/D

ACL/EMD/F-16/2024/ 2733

Date: November 20, 2024

To,  
**The Deputy Director general of forest (C),**  
Ministry of Environment, Forest and Climate Change (MoEF&CC),  
Integrated Regional Office, Gandhinagar, A-Wing – 407 & 409,  
"Aranya Bhavan", Near CH-3 circle, Sector-10A,  
Gandhinagar – 382010(Gujarat)

**Sub.:** Half yearly Compliance Status Report of Environmental Clearance of **Lodhva Limestone Mines.**

**Ref.:** Environmental Clearance Order No. J-11015/446/2013-IA-II (M) dated 26.05.16

Sir,  
We are pleased to submit herewith half yearly compliance status report (i.e. for the period of **(April'2024 to September'2024)** of Environmental Clearance Order No. J-11015/446/2013-IA-II (M) granted by MoEF&CC to **Lodhva Limestone Mining Project** of Ambuja Cements Ltd., located at village - Lodhva, Taluka - Sutrapada, District – Gir Somnath (Gujarat).

This is for your information and record please.

Thanking you,

Yours faithfully,  
For **Ambuja Cements Ltd.**

  
**Devendra Singh Chauhan**  
Head-Environment

Encl.: As above.

**Copy to:**

- 1) **The Central Pollution Control Board (CPCB)** Parivesh Bhawan, Atmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023 (Gujarat)
- 2) **The Member Secretary, Gujarat Pollution Control Board (GPCB),** Paryavaran Bhavan, Sector-10-A, Gandhinagar-382010
- 3) **The Regional Officer, Gujarat Pollution Control Board (GPCB),** Opp. Saint Anne's Church Station Road, Junagadh.

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS**

Ministry of Environment & Forests  
Integrated Regional Office (Guj), Gandhinagar  
Monitoring Report

Part-I

**DATA SHEET**

<b>01</b>	<b>Project type:</b> River valley/ Mining/Industry/ Thermal/ Nuclear/ other specify	:	Mining Open Cast (Limestone)
<b>02</b>	<b>Name of the project</b>	:	<b>Lodhva Limestone Mining Project</b>
<b>03</b>	<b>Clearance letter(s) / OM no. and date</b>	:	J-11015/446/2013-IA. II (M), Dated 26.05.2016
<b>04</b>	<b>Location</b>	:	
	a) District(s)	:	Gir Somnath
	b) State(s)	:	Gujarat
	c) Latitude	:	20° 56' - 20° 58' N
	d) Longitude	:	70° 31' - 70° 34' E
<b>05</b>	<b>Address for correspondence</b>	:	
	a) Address of concerned Project Chief Engineer (with pin code & telephone / telex / fax numbers).	:	<b>Sh. Devendra Singh Chauhan</b> <b>(Head - Environment)</b> Ambuja Cements Ltd. PO Ambujanagar, Taluka : Kodinar, Pin- 362715 District: Gir Somnath (Gujarat). Tel: 02795-221137/232009/237403 Fax: 02795-220328/232032
	b) Address of Executive Project Engineer / Manager (with pincode / fax numbers).	:	<b>Sh. Tripurari Choudhary</b> <b>Manager (Mines),</b> Ambuja Cements Ltd. PO Ambujanagar, Taluka - Kodinar, Pin- 362715 District: Gir Somnath (Gujarat). Tel: 02795-232064 Fax: 02795 - 220328/232032
<b>06</b>	<b>Salient features</b>	:	
	a) of the project :	:	Ambuja Cements Ltd. has established cement manufacturing plant at Ambujanagar in Kodinar Taluka of Gir Somnath District. Limestone is the main raw materials for the cement plants, which is being exploited from company's own captive mines i.e., Lodhava Limestone Mine. Lodhva is located at a distance of about 25 kms in NW direction with respect to cement plant. The rated capacity of the limestone at present is 1.50 MTPA.
	b) of the environmental management plans	:	<ul style="list-style-type: none"> <li>❖ Mining operations would not involve drilling &amp; blasting. Limestone excavation is being carried out by environment friendly Surface Miner supported by ripper dozer.</li> <li>❖ Regular monitoring of environmental parameters is undertaken as per the norms of MoEF and IBM and same will be followed.</li> <li>❖ Preventive maintenance of deployed HEMM is being undertaken regularly and same will be continued.</li> <li>❖ Dust suppression by water sprinkling on haul roads is being done regularly in working area and same will be continued.</li> </ul>





			<ul style="list-style-type: none"><li>❖ Afforestation / Green belt development is being carried out concurrently along haul road, lease periphery and matured area as well as outside lease also (i.e. surrounding Mines office)</li><li>❖ Mined-out areas will be converted to pastureland &amp; into water reservoir.</li><li>❖ Rural Development and Socio-economic activities will be undertaken in the project buffer zone area.</li></ul>																																																																																																																																																																																																					
07	Break up of the project area.																																																																																																																																																																																																							
	a) Submergence area (forest & non-forest)	:	Nil																																																																																																																																																																																																					
	b) Others	:	505.6839 ha (Government waste land & Private land)																																																																																																																																																																																																					
08	Break up of the project affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless laborers/ artisan.	:	Project does not require any rehabilitation or evacuation of permanent settlements as 87% of land is in our possession.																																																																																																																																																																																																					
	a) SC, ST / Adivasis	:	Not applicable																																																																																																																																																																																																					
	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures if a survey is carried out give details & year of survey)	:	Not applicable																																																																																																																																																																																																					
09	Financial details	:	Project Cost: Rs. 200 Lakhs																																																																																																																																																																																																					
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.		Limestone raised from the mining lease area will partially supplement the requirements of existing cement units. As it is a captive mine for the Cement Plant, no separate project costing was prepared.																																																																																																																																																																																																					
	b) Allocation made for environmental management plans with item wise and year wise break-up.	:	Capital investment for environment protection measures - 57.08 Lakhs																																																																																																																																																																																																					
<table><tr><th colspan="3">Expenditure incurred in Environment Management Plant - Lodhva Mines.</th></tr><tr><th colspan="3">A. Capital Investment For Environmental Monitoring :</th></tr><tr><th>Sr. No.</th><th>Particulars</th><th>Cost (in lacs)</th></tr><tr><td>1</td><td>Monitoring Equipments</td><td>40.14</td></tr><tr><td>2</td><td>Environment Laboratory</td><td>15.38</td></tr><tr><td>3</td><td>Others (Monitoring Van,DG Sets,etc.)</td><td>10.00</td></tr><tr><td colspan="2">TOTAL (in lacs INR)</td><td>65.52</td></tr><tr><th colspan="3">B. Requiring Expenditure For The Period Of April'24 to September'24</th></tr><tr><th>Sr. No.</th><th>Particulars</th><th>Cost (in lacs)</th></tr><tr><td>1</td><td>Greenbelt Development &amp; Dust Suppression</td><td>8.16</td></tr><tr><td>2</td><td>Manpower Cost*</td><td>6.23</td></tr><tr><td>3</td><td>House Keeping</td><td>3.00</td></tr><tr><td>4</td><td>Other Env. 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GUJARAT - Kothar								1	Water Resource Management & Drinking Water Projects							a	Water Resource Development	0.10		3.82			3.92	B	Drinking Water Programme	0.44					0.44		Agriculture Development; Drip Irrigation, Farm Forestry & Afforestation	40.30		68.17	399.56	576.16	1081.38	3	Better Cotton and others	5.06		296.47	223.21	245.56	772.63	4	Krishi Vigyan Kendra (KVK) - Agriculture	3.81	105.32				107.83	5	Health & Sanitation	13.46		0.30	8.70		22.46	6	Education Programme	7.64					7.64	7	Women / Youth Development	10.32					10.32	8	Skill and Entrepreneurship Development Programme	48.47	2.12	34.85	13.06		98.47	9	Integrated Community Development Programme	28.30					28.30	10	Co-ordination & Administration Expenses	11.22					11.22	11	Capital Expenditure						0.00	TOTAL		166.82	107.44	400.61	644.90	824.06	2149.31
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	c) Benefit cost (BC) ratio / Internal rate of return (IRR) and the year of assessment.	:	No separate assessment made, as it is an integral part of the raw material source for the cement plants at Ambujanagar.																																																																																																																																																																																																					
	d) Whether (c) includes the cost of environmental management as shown in the above.	:	Not Applicable																																																																																																																																																																																																					






	e) Actual expenditure incurred on the project so far.	:	Rs. 30.02 Crores
	f) Actual expenditure incurred on the environmental management plans so far.	:	Rs. 2.5249 Crores
<b>10</b>	<b>Forest land requirement.</b>	:	
	a) The status of approval for diversion of forest land for non-forestry use	:	The project area does not comprise of any forest land. Not applicable
	b) The status of clearing felling	:	Not applicable.
	c) The status of compensatory afforestation (CA), if any	:	Not applicable.
	d) Comments on the viability & sustainability of CA (compensatory afforestation) programme in the light of actual field experience so far.	:	Not applicable.
<b>11</b>	<b>The status of clear felling in non-forest areas</b> (such as submergence area or reservoir, approach roads), if any with quantitative information required.	:	The project does not involve felling of trees.
<b>12</b>	<b>Status of construction (Actual &amp; or planned)</b>	:	
	a) Date of commencement (Actual and / or planned)	:	01.03.2017
	b) Date of completion (Actual and / or planned).	:	Not applicable. As it is an ongoing captive mining Project for cement plant. (Mines life is approximate 8 to 10 years based on reserves)
<b>13</b>	Reasons for the delay if the project is yet to start.	:	Not applicable.
<b>14</b>	Dates of site visits	:	
	a) The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	-
	b) Date of site visit for this monitoring report	:	-
<b>15</b>	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	:	Half yearly compliance status report is being regularly submitted and last submission was on <b>dated 15.05.2024 vide letter ACL/EMD/F-16/2024/2658/May-24/414/3</b>

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**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

S No.	Condition	Compliance Status
<b>A. Specific Conditions</b>		
i	Environmental clearance is subjected to obtaining clearance under the Wildlife (Protection) Act, 1972 from the Standing Committee of NBWL, as may be applicable to this project.	<ul style="list-style-type: none"> <li>We have been approached to PCCF and as per the communication received from PCCF office our ML is 22km away from Gir sanctuary and ML is not in forest land. The ML is neither falling in the range of 10 km of eco sensitive zone nor falling in proposed eco-sensitive zone. Hence this condition is not applicable for this project.</li> </ul>
		
ii	The available technical and personal measures shall be taken to prevent or control the generation, release and dissemination of dust in the workplace.	<ul style="list-style-type: none"> <li>Point noted and will be completed.</li> </ul>
iii	The project proponent shall obtain Consent to Establish and Consent to Operate from the Gujarat Pollution Control Board and effectively implement all the conditions stipulated therein.	<ul style="list-style-type: none"> <li>Consent to Establish has been granted by Gujarat Pollution Control Board vide CTE No. 81719, GPCB/ID-51851/CCA/JNG-908 and Consent to Operate has been granted by GPCB vide CTO No. AWH-118208 date of issue-12/04/2022 &amp; Valid up to 15/02/2027, Copy of Consent to Establish &amp; Consent to Operate (CTE &amp; CTO) is attached as below.</li> </ul>
		



**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

iv	Environmental clearance is subjected to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.	<ul style="list-style-type: none"> <li>The ML is 22 km away from boundary GIR Sanctuary hence not falling within 10 km zone from sanctuary. Hence condition is not applicable for this project. No Drilling operation will be carried out during mining activity.</li> </ul>
v	Wet drilling operation will be practiced to control dust.	<ul style="list-style-type: none"> <li>There is no drilling and blasting operation. Mining will be done using eco-friendly, blast free Surface Miner Machine.</li> </ul>
vi	A buffer zone of 50m (green belt) on either side of the pond/nalla located near mine lease area or passing through lease should be developed for protection of the pond/nallah/stream.	<ul style="list-style-type: none"> <li>Point noted and shall be complied.</li> </ul>
vii	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	<ul style="list-style-type: none"> <li>No forest land is within the Mine Lease area. Thus this condition is not applicable to us.</li> </ul>
viii	The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table.	<ul style="list-style-type: none"> <li>Mining operation will be done in such a way that it should not intersect the ground water table and mining operation will be restricted to above ground water table.</li> </ul>
ix	The loose solids should be kept separately from flowing water and flow of effluents to nearby areas outside the leasehold shall be prevented. These paved drains along with arrangements for Over Burden Dumps and their drainage may be clearly depicted on a contoured map of the mining area.	<ul style="list-style-type: none"> <li>Point noted. The Loose solids shall be kept separately from flowing water and flow of effluents to nearby areas outside the leasehold shall be prevented. Over Burden Dumps and their drainage will be clearly depicted on a contoured map of the mining area when it will be generated.</li> </ul>
x	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the 1 <sup>st</sup> and 2 <sup>nd</sup> order streams, emanating or passing through the mine lease during the course of mining operation.	<ul style="list-style-type: none"> <li>Natural water course will not be obstructed by mining activity at any stage.</li> </ul>
xi	The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	<ul style="list-style-type: none"> <li>A very thin layer of topsoil is available. Generated topsoil is being stacked separately and systematically in the earmarked site with appropriate measures. Roadside bunds are made from poor grade material. Topsoil is used for land reclamation plantation and greenbelt development.</li> </ul>
xii	Appropriate safeguard measures shall be taken to ensure stability and drainage of dump so that no solid waste/debris flows into the nallah.	<ul style="list-style-type: none"> <li>Point Noted and will be implemented.</li> </ul>
xiii	The over burden (OB) generated during the mining operation shall be stacked at	<p>Point Noted and all components of this condition shall be followed, and</p>





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. Proper terracing of OB dump(s) shall be carried out so that the overall slope shall not exceed 28°. The over burden dump(s) shall 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, Forest and Climate Change and its Regional Office, Bhopal on six monthly basis.	Compliance status shall be submitted to the MoEF&CC, Gandhinagar on six monthly basis. Last submitted on <b>dated 15.05.2024 vide letter ACL/EMD/F-16/2024/2658/May-24/414/3</b>															
xiv	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary OB and mineral dumps to arrest flow of slit and sediment directly into the adjoining River and other water bodies. 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 the monsoon and maintained properly.	<ul style="list-style-type: none"><li>Point Noted and all components of this condition shall be followed, and Compliance status shall be submitted to the MoEF&amp;CC, Gandhinagar on six monthly basis.</li></ul>															
xv	Dimension of the retaining wall at the toe of the OB dumps(s) and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.	<ul style="list-style-type: none"><li>Point Noted and Dimension of the retaining wall at the toe of the OB dumps(s) and the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.</li></ul>															
xvi	Plantation shall be raised in the specified area including a 7.5 m wide green belt in the safety zone around the mining lease, OB dump(s), along the roads, etc. by planting the native species in consultation with the local DFO/Agriculture Department. In addition, plantation shall also be raised in the backfilled and reclaimed area and around water body. The density of the tress should be around 2500 plants per ha.	<ul style="list-style-type: none"><li>Plantation done from during 2024 (April'2024 to September'2024) is 4850 Nos. Total Cumulative plantation till September'2024 is 10942 Nos.</li><li>Remaining area will also be covered under plantation as per approved mining plan. Details of greenbelt/reclamation are enclosed as under :</li><li>In addition, plantation shall also be raised in the backfilled and reclaimed area and around water body. The density of the tress shall be around 2500 plants per ha.,</li></ul>															
	<table><tr><th colspan="5">LODHVA MINES Greenbelt &amp; Plantation Details</th></tr><tr><th>Total Lease Area(in ha)</th><th>Opened up Area(in Ha)</th><th>Plantation Area(in Ha)</th><th>Pasture land(in Ha)</th><th>Water Catchment Area (in Ha)</th></tr><tr><td>505.6839</td><td>20.9503</td><td>3.2300</td><td>0.3738</td><td>10.3709</td></tr></table>		LODHVA MINES Greenbelt & Plantation Details					Total Lease Area(in ha)	Opened up Area(in Ha)	Plantation Area(in Ha)	Pasture land(in Ha)	Water Catchment Area (in Ha)	505.6839	20.9503	3.2300	0.3738	10.3709
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505.6839	20.9503	3.2300	0.3738	10.3709													
xvii	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical	<ul style="list-style-type: none"><li>Regular water sprinkling through water tanker is in practice at mine lease area</li></ul>															





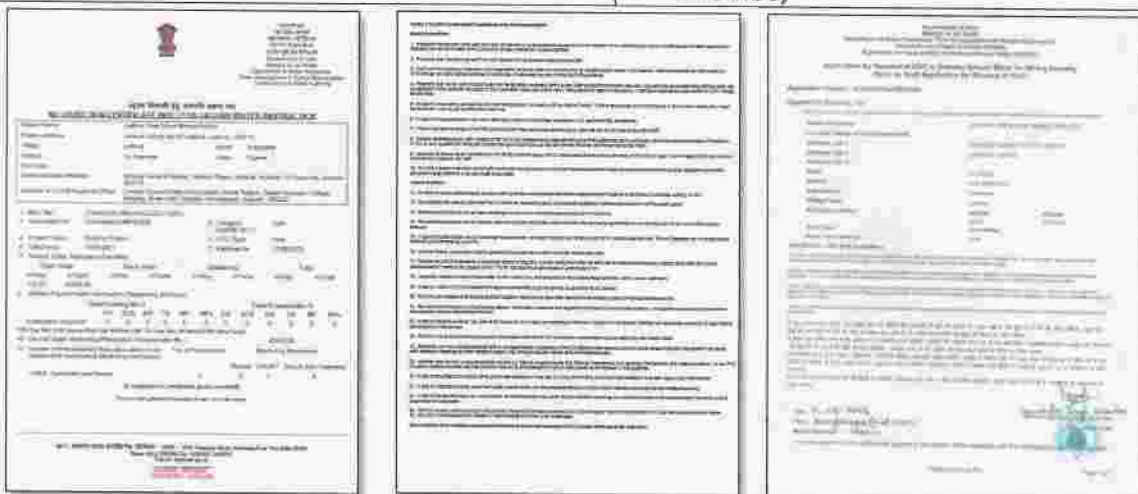
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	areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	and on haul roads to control air borne dust. Ambient air quality parameters are being maintained within norms prescribed by CPCB. <b>Report is Attached in Point No. (xxxiv)</b>
		
xviii	Regular monitoring of water quality upstream and downstream of perennial nallahs falling in the impact zone shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment, Forest and Climate Change, its Regional Office, Bhopal, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	<ul style="list-style-type: none"> <li>Regular monitoring of water quality upstream and downstream of perennial nallahs falling in the impact zone shall be carried out and record of monitoring data shall be maintained and submitted to Ministry of Environment, Forest and Climate Change, its Regional Office, Bhopal, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.</li> </ul>
xix	Appropriate measures shall be taken for treatment of the upper catchment of the mine lease area.	<ul style="list-style-type: none"> <li>Point Noted</li> </ul>
xx	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"> <li>Suitable conservation measures shall be implemented to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.</li> </ul>
xxi	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be	<ul style="list-style-type: none"> <li><b>Complied.</b></li> <li>Water quality testing is carried out with the help of MoEF&amp;CC certified third party laboratory as per prescribed schedule. Water levels are being recorded in 10 open wells of buffer zone and 2 piezometers are constructed in mines area core zone.</li> <li>Data collected is being communicated regularly to CGWA, New Delhi, MoEF&amp;CC Integrated Regional office, Gandhinagar,</li> </ul>








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	sent regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.	<p>CGWB Regional Director Gandhinagar.</p> <ul style="list-style-type: none"> <li>Ground water level &amp; quality monitoring is being done regularly by establishing a network of ground water monitoring stations. Report is submitted to MoEF&amp;CC Integrated regional office Gandhinagar, CGWA, CGWB and GPCB on yearly basis.</li> </ul>
xxii	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water, required for the project.	<ul style="list-style-type: none"> <li>Ground water withdrawal for drinking purpose only and we have take CGWA NOC for ground water withdrawal for 120m<sup>3</sup>/day. Whereas water requirement for dust suppression and greenbelt development is being met from harvested rainwater in mined out pit.</li> <li>NOC has been granted vide letter No. CGWA/NOC/MIN/ORIG/2021/12562 dtd. 13.08.2021 from CGWA, New Delhi for abstraction of ground water a tune of 120 m<sup>3</sup>/day. (Note: We have applied for CGWA NOC renewal on dated 12.08.2023 and now NOC Renewal Application is under deemed)</li> </ul>
		
xxiii	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water board.	<ul style="list-style-type: none"> <li>Suitable rainwater harvesting measures on long term basis has already been planned and executed by ACF, Ambujanagar. Our Initiative was witnessed and appreciated by Shri Saurav Gupta, Regional Director, CGWB during his visit of Ambujanagar.</li> </ul>
xxiv	Appropriate mitigative measures should be taken to prevent pollution of nearby River in consultation with the State Pollution Control Board.	<ul style="list-style-type: none"> <li>These rivers are far off from the project area, State Pollution Control Board will be consulted, if required.</li> </ul>
xxv	Vehicular emissions shall be kept under control and regularly monitored. Measures	<ul style="list-style-type: none"> <li>Vehicular emissions are being checked &amp; monitored regularly. Detail of P.U.C</li> </ul>






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	shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<p>certificate (Approved by: Gujarat Motor Vehicle Department, Gujarat) is enclosed as under:</p>  <ul style="list-style-type: none"> <li>All vehicles used for transportation of raw materials are being covered properly &amp; Not Over loaded.</li> </ul>
xxvi	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	<ul style="list-style-type: none"> <li>Blast free fully mechanized <b>Surface Miner machine is being used for mining.</b></li> </ul>
xxvii	Drills shall either be operated with dust extractors or equipped with water injection system.	<ul style="list-style-type: none"> <li>Fully mechanized Surface Miner machine will be equipped with water injection system.</li> </ul>
	 	
xxviii	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	<ul style="list-style-type: none"> <li>There is no mineral handling plant at Mine site. Mineral extracted is being transported to cement plant by tippers/truck tipplers, which is being covered with suitable covering mechanism for prevention of fugitive emission.</li> </ul>
xxix	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	<ul style="list-style-type: none"> <li>Sewage treatment plant has already been installed &amp; operational at Ambujanagar. No additional colony has been developed at project site. Oil &amp; Grease Trap for workshop of wastewater will be provided. Waste water analysis report as under:</li> </ul>








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 <p><b>Royal Engineers, Planning &amp; Consultancy Service</b>  <small>For all Engineering, Planning &amp; Consultancy Services</small></p> <p><b>Personnel Dust Monitoring of HMM Operators</b></p> <p>1. Name of Mine: Lodhva Limestone Mines,  M/S. Lodhva Limestone Mines,  A.O. Ambikapur - 492 710,  Tadga - Bilaspur, India - 768 000.</p> <p>2. Name of Mine: Lodhva Limestone Mines</p> <p>3. Name of Mine: Lodhva Limestone Mines</p> <p>4. Name of Mine: Lodhva Limestone Mines</p> <p>5. Name of Mine: Lodhva Limestone Mines</p> <p>6. Name of Mine: Lodhva Limestone Mines</p> <p>7. Name of Mine: Lodhva Limestone Mines</p> <p>8. Name of Mine: Lodhva Limestone Mines</p> <p>9. Name of Mine: Lodhva Limestone Mines</p> <p>10. Name of Mine: Lodhva Limestone Mines</p> <p>11. Name of Mine: Lodhva Limestone Mines</p> <p>12. Name of Mine: Lodhva Limestone Mines</p> <p>13. Name of Mine: Lodhva Limestone Mines</p> <p>14. Name of Mine: Lodhva Limestone Mines</p> <p>15. 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xxxi	<p>Regular monitoring of free silica in the dust will be carried out and records maintained. It shall be ensured that the levels of silica do not exceed the prescribed limit. The workers will be provided with personal protective measures to guard against inhaling silica dust.</p>	<ul style="list-style-type: none"> <li>Regular monitoring of free silica in the dust will be carried out and records shall be maintained.</li> <li>Dust Masks, Safety Shoes, Safety Goggles &amp; Helmet will be provided to each &amp; every personnel working in the mine area. Periodic Health Checkup will be done for personnel working in the mine area.</li> <li>Free silica dust Monitoring is carried out regularly on monthly basis, monitoring results are enclosed as under:</li> </ul>



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		<div><div><div><div><div><div></div><div>Environment Auditing &amp; Consultancy Service</div><div><small>A Public Limited Company Registered in India Incorporated in India under the Companies Act, 1956</small></div></div></div><div><div>Reference No.: EAC/01/2024-25</div><div>Date: 23/01/2024</div></div><div><b>Personnel Dust Monitoring of HEMM Operators</b></div><div><p>2. Name of Unit: Lodhva Limestone Mines, 80% (Ambuja Cement Limited), P.O. Ambujanagar - 480 711, Tahsil - Kodinar, District - Bhilai.</p><p>7. Type of Unit: Limestone Mining</p><p>8. Activity: Mines HEMM Operator</p><p>9. Type of Sample: Personnel Dust Monitoring of HEMM Operators</p><p>10. Sample Collected by: Mr. Mayur Joshi</p><p>11. Date of Monitoring: 05/11/2024</p></div><table><thead><tr><th>No.</th><th>Item</th><th>Location/Operator</th><th>Name of Operator</th><th>Identified Contaminant</th><th>Sampling Instrument used</th><th>Ambient Concentration (No. of Samples)</th><th>Reference Standard</th><th>Remarks</th></tr></thead><tbody><tr><td>1.</td><td>001/000001</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>2.</td><td>001/000002</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>3.</td><td>001/000003</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>4.</td><td>001/000004</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>5.</td><td>001/000005</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>6.</td><td>001/000006</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>7.</td><td>001/000007</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>8.</td><td>001/000008</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>9.</td><td>001/000009</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>10.</td><td>001/000010</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>11.</td><td>001/000011</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>12.</td><td>001/000012</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>13.</td><td>001/000013</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>14.</td><td>001/000014</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr><tr><td>15.</td><td>001/000015</td><td>Section 10/10</td><td>Mayur Joshi</td><td>PM10</td><td>SPM 9000</td><td>0.0001</td><td>0.0001</td><td></td></tr></tbody></table><div><div>Authorised Signature: Mr. Mayur Joshi</div><div>Name: Mr. Mayur Joshi - 05/11/2024</div><div>Royal Environment Auditing &amp; Consultancy Service</div><div></div></div></div></div></div>	No.	Item	Location/Operator	Name of Operator	Identified Contaminant	Sampling Instrument used	Ambient Concentration (No. of Samples)	Reference Standard	Remarks	1.	001/000001	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		2.	001/000002	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		3.	001/000003	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		4.	001/000004	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		5.	001/000005	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		6.	001/000006	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		7.	001/000007	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		8.	001/000008	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		9.	001/000009	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		10.	001/000010	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		11.	001/000011	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		12.	001/000012	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		13.	001/000013	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		14.	001/000014	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001		15.	001/000015	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001	
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6.	001/000006	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
7.	001/000007	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
8.	001/000008	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
9.	001/000009	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
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11.	001/000011	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
12.	001/000012	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
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14.	001/000014	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
15.	001/000015	Section 10/10	Mayur Joshi	PM10	SPM 9000	0.0001	0.0001																																																																																																																																											
xxxii	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<ul style="list-style-type: none"><li>All the operators and competent person will be resided in our existing colony at Ambujanagar, Kodinar.</li></ul>																																																																																																																																																
xxxiii	The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered flora as well as endangered fauna. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office at Bhopal within 3 months.	<ul style="list-style-type: none"><li>Conservation &amp; Management plan of schedule 1 species has been prepared and authenticated by Chief Wildlife Warden, Gandhinagar. Copy of action plan has submitted to Regional Office, MoEF &amp; CC Bhopal.</li></ul>																																																																																																																																																
xxxiv	The critical parameters such as RSPM ( Particulate matter with size less than 10 micron i.e., PM <sub>10</sub> ) and NO <sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project	<ul style="list-style-type: none"><li>Air quality monitoring and water quality monitoring is being done regularly and report is submitted to GPCB &amp; MoEF&amp;CC. Results of Air &amp; Water quality monitoring is being uploaded on the website of the company as well as displayed on display board at the project site near mine office. The <b>Ambient Air Quality monitoring results for the period April'2024 to September'2024 for PM2.5, PM10, SO2, NOx and CO</b> are enclosed as under:</li></ul>																																																																																																																																																





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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September'2024)</th></tr><tr><th colspan="5">Khara village</th><th colspan="5">Moradiya village</th><th colspan="5">Lodhva Village</th><th colspan="5">Thordi Village</th></tr><tr><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th></tr><tr><th>Unit &gt;</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(mg/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(mg/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(mg/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(ug/m3)</th><th>(mg/m3)</th></tr><tr><td>Apr-24</td><td>32.8</td><td>52.7</td><td>21.7</td><td>27.3</td><td>BDL</td><td>34.1</td><td>53.3</td><td>19.2</td><td>25.1</td><td>BDL</td><td>35.8</td><td>56.3</td><td>21</td><td>26.4</td><td>BDL</td><td>34.3</td><td>53.9</td><td>17.7</td><td>28</td><td>BDL</td></tr><tr><td></td><td>38.3</td><td>55.2</td><td>21.4</td><td>27.1</td><td>BDL</td><td>34.9</td><td>54.1</td><td>18.4</td><td>25.8</td><td>BDL</td><td>35.7</td><td>57.1</td><td>19.6</td><td>26.8</td><td>BDL</td><td>37.1</td><td>53.4</td><td>23</td><td>28.1</td><td>BDL</td></tr><tr><td>May-24</td><td>39.3</td><td>56.2</td><td>20.6</td><td>28.1</td><td>BDL</td><td>40.2</td><td>58.7</td><td>18.9</td><td>25.2</td><td>BDL</td><td>35.7</td><td>55.8</td><td>16.9</td><td>23.7</td><td>BDL</td><td>35.2</td><td>56.7</td><td>18.3</td><td>27.9</td><td>BDL</td></tr><tr><td></td><td>39.3</td><td>57.3</td><td>20.9</td><td>23.8</td><td>BDL</td><td>37.1</td><td>59.8</td><td>17.4</td><td>22.7</td><td>BDL</td><td>36.8</td><td>55.7</td><td>17.1</td><td>24.1</td><td>BDL</td><td>36.4</td><td>56.2</td><td>22.6</td><td>27.2</td><td>BDL</td></tr><tr><td>Jun-24</td><td>30.2</td><td>52.3</td><td>17.3</td><td>24.7</td><td>BDL</td><td>28.6</td><td>48.3</td><td>16.1</td><td>21.3</td><td>BDL</td><td>24.8</td><td>45.6</td><td>13.1</td><td>18.2</td><td>BDL</td><td>30.4</td><td>47.2</td><td>15.5</td><td>19.4</td><td>BDL</td></tr><tr><td></td><td>34.8</td><td>47.2</td><td>13.8</td><td>20.1</td><td>BDL</td><td>28.6</td><td>48.6</td><td>14.9</td><td>19.7</td><td>BDL</td><td>31.6</td><td>45.7</td><td>12.9</td><td>20.89</td><td>BDL</td><td>29.4</td><td>44.9</td><td>15.6</td><td>23.3</td><td>BDL</td></tr><tr><td>Jul-24</td><td>17.8</td><td>38.2</td><td>10</td><td>16.1</td><td>BDL</td><td>15.6</td><td>35.7</td><td>8.2</td><td>12.8</td><td>BDL</td><td>16.1</td><td>37.8</td><td>9.6</td><td>15.1</td><td>BDL</td><td>16.9</td><td>33.8</td><td>12.1</td><td>15.5</td><td>BDL</td></tr><tr><td></td><td>17.2</td><td>36.2</td><td>10.1</td><td>14.3</td><td>BDL</td><td>16.9</td><td>35.7</td><td>8.6</td><td>13.8</td><td>BDL</td><td>17.1</td><td>34.2</td><td>9.8</td><td>12.6</td><td>BDL</td><td>15.7</td><td>33.8</td><td>11.3</td><td>15.6</td><td>BDL</td></tr><tr><td>Aug-24</td><td>16.7</td><td>35.8</td><td>9.6</td><td>18.2</td><td>BDL</td><td>17.2</td><td>36.3</td><td>10.7</td><td>17.5</td><td>BDL</td><td>15.7</td><td>37.3</td><td>11.4</td><td>16.7</td><td>BDL</td><td>18.4</td><td>36.9</td><td>12.1</td><td>17.2</td><td>BDL</td></tr><tr><td></td><td>18.6</td><td>39.5</td><td>13.1</td><td>19.7</td><td>BDL</td><td>17.2</td><td>37.2</td><td>11.6</td><td>18.6</td><td>BDL</td><td>17.4</td><td>36.8</td><td>10.1</td><td>17.9</td><td>BDL</td><td>16.3</td><td>36.2</td><td>10.7</td><td>17.1</td><td>BDL</td></tr><tr><td>Sep-24</td><td>17.8</td><td>37.2</td><td>11.6</td><td>19.7</td><td>BDL</td><td>18.3</td><td>39.6</td><td>13.1</td><td>22.6</td><td>BDL</td><td>18.6</td><td>37.8</td><td>12.7</td><td>20.2</td><td>BDL</td><td>19.6</td><td>41.8</td><td>15.4</td><td>23.2</td><td>BDL</td></tr><tr><td></td><td>20.1</td><td>44.2</td><td>14.8</td><td>21.5</td><td>BDL</td><td>18.6</td><td>41.3</td><td>16.2</td><td>20.4</td><td>BDL</td><td>16.2</td><td>43.8</td><td>15.3</td><td>20.6</td><td>BDL</td><td>22.4</td><td>47.6</td><td>12.7</td><td>19.8</td><td>BDL</td></tr></table>	Month	Ambient Air Quality Monitoring Results (April'2024 - 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September'2024)																				Khara village					Moradiya village					Lodhva Village					Thordi Village					PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	Unit >	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	Apr-24	32.8	52.7	21.7	27.3	BDL	34.1	53.3	19.2	25.1	BDL	35.8	56.3	21	26.4	BDL	34.3	53.9	17.7	28	BDL		38.3	55.2	21.4	27.1	BDL	34.9	54.1	18.4	25.8	BDL	35.7	57.1	19.6	26.8	BDL	37.1	53.4	23	28.1	BDL	May-24	39.3	56.2	20.6	28.1	BDL	40.2	58.7	18.9	25.2	BDL	35.7	55.8	16.9	23.7	BDL	35.2	56.7	18.3	27.9	BDL		39.3	57.3	20.9	23.8	BDL	37.1	59.8	17.4	22.7	BDL	36.8	55.7	17.1	24.1	BDL	36.4	56.2	22.6	27.2	BDL	Jun-24	30.2	52.3	17.3	24.7	BDL	28.6	48.3	16.1	21.3	BDL	24.8	45.6	13.1	18.2	BDL	30.4	47.2	15.5	19.4	BDL		34.8	47.2	13.8	20.1	BDL	28.6	48.6	14.9	19.7	BDL	31.6	45.7	12.9	20.89	BDL	29.4	44.9	15.6	23.3	BDL	Jul-24	17.8	38.2	10	16.1	BDL	15.6	35.7	8.2	12.8	BDL	16.1	37.8	9.6	15.1	BDL	16.9	33.8	12.1	15.5	BDL		17.2	36.2	10.1	14.3	BDL	16.9	35.7	8.6	13.8	BDL	17.1	34.2	9.8	12.6	BDL	15.7	33.8	11.3	15.6	BDL	Aug-24	16.7	35.8	9.6	18.2	BDL	17.2	36.3	10.7	17.5	BDL	15.7	37.3	11.4	16.7	BDL	18.4	36.9	12.1	17.2	BDL		18.6	39.5	13.1	19.7	BDL	17.2	37.2	11.6	18.6	BDL	17.4	36.8	10.1	17.9	BDL	16.3	36.2	10.7	17.1	BDL	Sep-24	17.8	37.2	11.6	19.7	BDL	18.3	39.6	13.1	22.6	BDL	18.6	37.8	12.7	20.2	BDL	19.6	41.8	15.4	23.2	BDL		20.1	44.2	14.8	21.5	BDL	18.6	41.3	16.2	20.4	BDL	16.2	43.8	15.3	20.6	BDL	22.4	47.6	12.7	19.8	BDL	
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Unit >	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Apr-24	32.8	52.7	21.7	27.3	BDL	34.1	53.3	19.2	25.1	BDL	35.8	56.3	21	26.4	BDL	34.3	53.9	17.7	28	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	38.3	55.2	21.4	27.1	BDL	34.9	54.1	18.4	25.8	BDL	35.7	57.1	19.6	26.8	BDL	37.1	53.4	23	28.1	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
May-24	39.3	56.2	20.6	28.1	BDL	40.2	58.7	18.9	25.2	BDL	35.7	55.8	16.9	23.7	BDL	35.2	56.7	18.3	27.9	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	39.3	57.3	20.9	23.8	BDL	37.1	59.8	17.4	22.7	BDL	36.8	55.7	17.1	24.1	BDL	36.4	56.2	22.6	27.2	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jun-24	30.2	52.3	17.3	24.7	BDL	28.6	48.3	16.1	21.3	BDL	24.8	45.6	13.1	18.2	BDL	30.4	47.2	15.5	19.4	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	34.8	47.2	13.8	20.1	BDL	28.6	48.6	14.9	19.7	BDL	31.6	45.7	12.9	20.89	BDL	29.4	44.9	15.6	23.3	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jul-24	17.8	38.2	10	16.1	BDL	15.6	35.7	8.2	12.8	BDL	16.1	37.8	9.6	15.1	BDL	16.9	33.8	12.1	15.5	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Aug-24	16.7	35.8	9.6	18.2	BDL	17.2	36.3	10.7	17.5	BDL	15.7	37.3	11.4	16.7	BDL	18.4	36.9	12.1	17.2	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	18.6	39.5	13.1	19.7	BDL	17.2	37.2	11.6	18.6	BDL	17.4	36.8	10.1	17.9	BDL	16.3	36.2	10.7	17.1	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Sep-24	17.8	37.2	11.6	19.7	BDL	18.3	39.6	13.1	22.6	BDL	18.6	37.8	12.7	20.2	BDL	19.6	41.8	15.4	23.2	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	20.1	44.2	14.8	21.5	BDL	18.6	41.3	16.2	20.4	BDL	16.2	43.8	15.3	20.6	BDL	22.4	47.6	12.7	19.8	BDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
xxxv	A Final Mine Closure plan along with details of Corpus Fund should be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.	<ul style="list-style-type: none"><li>Point noted and will be complied.</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
xxxvi	The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.	<ul style="list-style-type: none"><li>Point noted and will be complied.</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
<b>B. General Conditions</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest & Climate Change.	<ul style="list-style-type: none"><li>Change in mining technology and scope of working will not be done without prior approval of the Ministry of Environment, Forest &amp; Climate Change.</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
ii	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	<ul style="list-style-type: none"><li>Point noted and will be complied.</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
iii	Four ambient air quality-monitoring stations	<ul style="list-style-type: none"><li>Four ambient air quality monitoring (core</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM <sub>10</sub> ) and 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.	zone as well as in the buffer zone) locations have been identified as directed and are being monitored as per CPCB/SPCB guidelines. Ambient air quality monitoring reports are enclosed as under:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
iv	Data on ambient air quality should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months. Provisions contained in notification no. B-29016/20/PCI-I dated 18.11.2009 should be followed for monitoring.	<ul style="list-style-type: none"><li>Four ambient air quality monitoring (core zone as well as in the buffer zone) locations have been identified as directed and are being monitored as per CPCB/SPCB guidelines. Ambient air quality monitoring reports are enclosed as under;</li><li>dated 15.05.2024 vide letter ACL/EMD/F-16/2024/2658/May-24/414/3</li></ul>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	<table><tr><th rowspan="3">Month</th><th colspan="20">Ambient Air Quality Monitoring Results (April'2023 - September'2024)</th></tr><tr><th colspan="5">North Boundary</th><th colspan="5">Eastern Boundary</th><th colspan="5">West Boundary</th><th colspan="5">South Boundary</th></tr><tr><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th><th>PM2.5</th><th>PM10</th><th>SO2</th><th>NOx</th><th>CO</th></tr><tr><td>Unit &gt;</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(mg/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(mg/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(mg/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(ug/m3)</td><td>(mg/m3)</td></tr><tr><td>Apr-24</td><td>33.9</td><td>54.2</td><td>21.6</td><td>24.1</td><td>B.D.L</td><td>36.7</td><td>55.9</td><td>22.5</td><td>25.6</td><td>B.D.L</td><td>35.1</td><td>57.3</td><td>20.4</td><td>24.9</td><td>B.D.L</td><td>35.7</td><td>57.1</td><td>18.7</td><td>23.3</td><td>B.D.L</td></tr><tr><td></td><td>31.2</td><td>58.3</td><td>18.2</td><td>28.7</td><td>B.D.L</td><td>35.9</td><td>52.3</td><td>20.4</td><td>27.9</td><td>B.D.L</td><td>38.7</td><td>55.9</td><td>22.4</td><td>25.3</td><td>B.D.L</td><td>36.3</td><td>56.2</td><td>17.8</td><td>24.3</td><td>B.D.L</td></tr><tr><td>May-24</td><td>36.9</td><td>57.8</td><td>19.3</td><td>24.9</td><td>B.D.L</td><td>38.2</td><td>60.2</td><td>21.7</td><td>26.2</td><td>B.D.L</td><td>37.9</td><td>58.2</td><td>17.8</td><td>27.1</td><td>B.D.L</td><td>40.7</td><td>59.3</td><td>22.4</td><td>26.8</td><td>B.D.L</td></tr><tr><td></td><td>38.6</td><td>60.4</td><td>18.9</td><td>26.6</td><td>B.D.L</td><td>40.2</td><td>58.7</td><td>19.7</td><td>25.9</td><td>B.D.L</td><td>39.8</td><td>57.9</td><td>21.6</td><td>28.1</td><td>B.D.L</td><td>41.3</td><td>58.3</td><td>18.2</td><td>26.3</td><td>B.D.L</td></tr><tr><td>Jun-24</td><td>34.2</td><td>52.8</td><td>17.2</td><td>22.1</td><td>B.D.L</td><td>30.8</td><td>49.7</td><td>15.6</td><td>24.6</td><td>B.D.L</td><td>31.3</td><td>46.1</td><td>16.9</td><td>20.9</td><td>B.D.L</td><td>28.2</td><td>48.3</td><td>13.4</td><td>19.7</td><td>B.D.L</td></tr><tr><td></td><td>32.6</td><td>51.9</td><td>16.1</td><td>23.4</td><td>B.D.L</td><td>33.7</td><td>46.7</td><td>17.2</td><td>22.9</td><td>B.D.L</td><td>30.3</td><td>53.2</td><td>16.9</td><td>24.1</td><td>B.D.L</td><td>32.1</td><td>54.4</td><td>15.2</td><td>25.6</td><td>B.D.L</td></tr><tr><td>Jul-24</td><td>18.6</td><td>37.2</td><td>12.6</td><td>18.8</td><td>B.D.L</td><td>17.2</td><td>38.6</td><td>14.8</td><td>17.9</td><td>B.D.L</td><td>20.1</td><td>35.7</td><td>11.4</td><td>16</td><td>B.D.L</td><td>19.4</td><td>33.9</td><td>13.1</td><td>17.2</td><td>B.D.L</td></tr><tr><td></td><td>18.7</td><td>38.7</td><td>12.1</td><td>18.4</td><td>B.D.L</td><td>19.2</td><td>36.8</td><td>13.6</td><td>17.9</td><td>B.D.L</td><td>16.8</td><td>37.8</td><td>11.7</td><td>19.2</td><td>B.D.L</td><td>18.1</td><td>39.1</td><td>12.9</td><td>16.3</td><td>B.D.L</td></tr><tr><td>Aug-24</td><td>20.4</td><td>40.2</td><td>14.1</td><td>19.3</td><td>B.D.L</td><td>19.3</td><td>39.6</td><td>13.7</td><td>18.7</td><td>B.D.L</td><td>17.9</td><td>38.2</td><td>12.6</td><td>17.9</td><td>B.D.L</td><td>18.2</td><td>37.8</td><td>10.1</td><td>16.2</td><td>B.D.L</td></tr><tr><td></td><td>21.6</td><td>41.6</td><td>13.2</td><td>21.6</td><td>B.D.L</td><td>20.8</td><td>40.9</td><td>12.8</td><td>20.9</td><td>B.D.L</td><td>19.8</td><td>39.8</td><td>13.7</td><td>21.4</td><td>B.D.L</td><td>19.2</td><td>38.6</td><td>10.8</td><td>18.8</td><td>B.D.L</td></tr><tr><td>Sep-24</td><td>23.4</td><td>42.6</td><td>13.2</td><td>20.3</td><td>B.D.L</td><td>25.2</td><td>41.7</td><td>14.2</td><td>21.4</td><td>B.D.L</td><td>19.6</td><td>44.8</td><td>12.8</td><td>19.7</td><td>B.D.L</td><td>21.3</td><td>40.9</td><td>13.2</td><td>18.2</td><td>B.D.L</td></tr><tr><td></td><td>22.4</td><td>42.6</td><td>17.7</td><td>22.9</td><td>B.D.L</td><td>19.8</td><td>41.9</td><td>14.4</td><td>21.4</td><td>B.D.L</td><td>20.9</td><td>47.8</td><td>15.6</td><td>20.8</td><td>B.D.L</td><td>17.2</td><td>37.2</td><td>16.2</td><td>19.4</td><td>B.D.L</td></tr><tr><th>Month</th><th colspan="20">Ambient Air Quality Monitoring Results (April'2024 - 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September'2024)																					Khara village					Moradiya village					Lodhva Village					Thordi Village					Unit >	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	Apr-24	32.8	52.7	21.7	27.3	B.D.L	34.1	53.3	19.2	25.1	B.D.L	35.8	56.3	21	26.4	B.D.L	34.3	53.9	17.7	28	B.D.L		38.3	55.2	21.4	27.1	B.D.L	34.9	54.1	18.4	25.8	B.D.L	35.7	57.1	19.6	26.8	B.D.L	37.1	53.4	23	28.1	B.D.L	May-24	39.3	56.2	20.6	28.1	B.D.L	40.2	58.7	18.9	25.2	B.D.L	35.7	55.8	16.9	23.7	B.D.L	35.2	56.7	18.3	27.9	B.D.L		39.3	57.3	20.9	23.8	B.D.L	37.1	59.8	17.4	22.7	B.D.L	36.8	55.7	17.1	24.1	B.D.L	36.4	56.2	22.6	27.2	B.D.L	Jun-24	30.2	52.3	17.3	24.7	B.D.L	28.6	48.3	16.1	21.3	B.D.L	24.8	45.6	13.1	18.2	B.D.L	30.4	47.2	15.5	19.4	B.D.L		34.8	47.2	13.8	20.1	B.D.L	28.6	48.6	14.9	19.7	B.D.L	31.6	45.7	12.9	20.89	B.D.L	29.4	44.9	15.6	23.3	B.D.L	Jul-24	17.8	38.2	10	16.1	B.D.L	15.6	35.7	8.2	12.8	B.D.L	16.1	37.8	9.6	15.3	B.D.L	16.9	33.8	12.1	15.5	B.D.L		17.2	36.2	10.1	14.3	B.D.L	16.9	35.7	8.6	13.8	B.D.L	17.1	34.2	9.8	12.6	B.D.L	15.7	33.8	11.3	15.6	B.D.L	Aug-24	16.7	35.8	9.6	18.2	B.D.L	17.2	36.3	10.7	17.5	B.D.L	15.7	37.3	11.4	16.7	B.D.L	18.4	36.9	12.1	17.2	B.D.L		18.6	39.5	13.1	19.7	B.D.L	17.2	37.2	11.6	18.6	B.D.L	17.4	36.8	10.1	17.9	B.D.L	16.3	36.2	10.7	17.1	B.D.L	Sep-24	17.8	37.2	11.6	19.7	B.D.L	18.3	39.6	13.1	22.6	B.D.L	18.6	37.8	12.7	20.2	B.D.L	19.6	41.8	15.4	23.2	B.D.L		20.1	44.2	14.8	21.5	B.D.L	18.6	41.3	16.2	20.4	B.D.L	16.2	43.8	15.3	20.6	B.D.L	22.4	47.6	12.7	19.8	B.D.L	v	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	<ul style="list-style-type: none"><li>Environment friendly Surface Miner machine will be used for mining. Surface mining is provided with inbuilt facility of water sprinkling to suppress dust generated during mining. Water tankers are plying on all haul roads to suppress the fugitive dust. monitoring results are enclosed as under :</li></ul>
Month	Ambient Air Quality Monitoring Results (April'2023 - September'2024)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Unit >	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(mg/m3)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Apr-24	33.9	54.2	21.6	24.1	B.D.L	36.7	55.9	22.5	25.6	B.D.L	35.1	57.3	20.4	24.9	B.D.L	35.7	57.1	18.7	23.3	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	31.2	58.3	18.2	28.7	B.D.L	35.9	52.3	20.4	27.9	B.D.L	38.7	55.9	22.4	25.3	B.D.L	36.3	56.2	17.8	24.3	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
May-24	36.9	57.8	19.3	24.9	B.D.L	38.2	60.2	21.7	26.2	B.D.L	37.9	58.2	17.8	27.1	B.D.L	40.7	59.3	22.4	26.8	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	38.6	60.4	18.9	26.6	B.D.L	40.2	58.7	19.7	25.9	B.D.L	39.8	57.9	21.6	28.1	B.D.L	41.3	58.3	18.2	26.3	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jun-24	34.2	52.8	17.2	22.1	B.D.L	30.8	49.7	15.6	24.6	B.D.L	31.3	46.1	16.9	20.9	B.D.L	28.2	48.3	13.4	19.7	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	32.6	51.9	16.1	23.4	B.D.L	33.7	46.7	17.2	22.9	B.D.L	30.3	53.2	16.9	24.1	B.D.L	32.1	54.4	15.2	25.6	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jul-24	18.6	37.2	12.6	18.8	B.D.L	17.2	38.6	14.8	17.9	B.D.L	20.1	35.7	11.4	16	B.D.L	19.4	33.9	13.1	17.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	18.7	38.7	12.1	18.4	B.D.L	19.2	36.8	13.6	17.9	B.D.L	16.8	37.8	11.7	19.2	B.D.L	18.1	39.1	12.9	16.3	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Aug-24	20.4	40.2	14.1	19.3	B.D.L	19.3	39.6	13.7	18.7	B.D.L	17.9	38.2	12.6	17.9	B.D.L	18.2	37.8	10.1	16.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	21.6	41.6	13.2	21.6	B.D.L	20.8	40.9	12.8	20.9	B.D.L	19.8	39.8	13.7	21.4	B.D.L	19.2	38.6	10.8	18.8	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Sep-24	23.4	42.6	13.2	20.3	B.D.L	25.2	41.7	14.2	21.4	B.D.L	19.6	44.8	12.8	19.7	B.D.L	21.3	40.9	13.2	18.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	22.4	42.6	17.7	22.9	B.D.L	19.8	41.9	14.4	21.4	B.D.L	20.9	47.8	15.6	20.8	B.D.L	17.2	37.2	16.2	19.4	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Month	Ambient Air Quality Monitoring Results (April'2024 - September'2024)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Khara village					Moradiya village					Lodhva Village					Thordi Village																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Unit >	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Apr-24	32.8	52.7	21.7	27.3	B.D.L	34.1	53.3	19.2	25.1	B.D.L	35.8	56.3	21	26.4	B.D.L	34.3	53.9	17.7	28	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	38.3	55.2	21.4	27.1	B.D.L	34.9	54.1	18.4	25.8	B.D.L	35.7	57.1	19.6	26.8	B.D.L	37.1	53.4	23	28.1	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
May-24	39.3	56.2	20.6	28.1	B.D.L	40.2	58.7	18.9	25.2	B.D.L	35.7	55.8	16.9	23.7	B.D.L	35.2	56.7	18.3	27.9	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	39.3	57.3	20.9	23.8	B.D.L	37.1	59.8	17.4	22.7	B.D.L	36.8	55.7	17.1	24.1	B.D.L	36.4	56.2	22.6	27.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jun-24	30.2	52.3	17.3	24.7	B.D.L	28.6	48.3	16.1	21.3	B.D.L	24.8	45.6	13.1	18.2	B.D.L	30.4	47.2	15.5	19.4	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	34.8	47.2	13.8	20.1	B.D.L	28.6	48.6	14.9	19.7	B.D.L	31.6	45.7	12.9	20.89	B.D.L	29.4	44.9	15.6	23.3	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Jul-24	17.8	38.2	10	16.1	B.D.L	15.6	35.7	8.2	12.8	B.D.L	16.1	37.8	9.6	15.3	B.D.L	16.9	33.8	12.1	15.5	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	17.2	36.2	10.1	14.3	B.D.L	16.9	35.7	8.6	13.8	B.D.L	17.1	34.2	9.8	12.6	B.D.L	15.7	33.8	11.3	15.6	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Aug-24	16.7	35.8	9.6	18.2	B.D.L	17.2	36.3	10.7	17.5	B.D.L	15.7	37.3	11.4	16.7	B.D.L	18.4	36.9	12.1	17.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	18.6	39.5	13.1	19.7	B.D.L	17.2	37.2	11.6	18.6	B.D.L	17.4	36.8	10.1	17.9	B.D.L	16.3	36.2	10.7	17.1	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Sep-24	17.8	37.2	11.6	19.7	B.D.L	18.3	39.6	13.1	22.6	B.D.L	18.6	37.8	12.7	20.2	B.D.L	19.6	41.8	15.4	23.2	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	20.1	44.2	14.8	21.5	B.D.L	18.6	41.3	16.2	20.4	B.D.L	16.2	43.8	15.3	20.6	B.D.L	22.4	47.6	12.7	19.8	B.D.L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

Month	Average Fugitive Emission Monitoring Results (April'24 to September'24 )		
	Haulage Road	Nr. Loading Area	Working Pit Area
	SPM ( $\mu\text{g}/\text{m}^3$ )	SPM ( $\mu\text{g}/\text{m}^3$ )	SPM ( $\mu\text{g}/\text{m}^3$ )
Apr-24	1607	1829	1934
May-24	1621	1862	1978
Jun-24	1634	1972	1989
Jul-24	1164	1237	1482
Aug-24	1247	1307	1418
Sep-24	1372	1624	No Mining Activity

vi

Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

- Dust Masks, Safety Shoes, Safety Goggles & Helmet will be provided to each & every personnel working in the mine area. Periodic Health Checkup will be done for personnel working in the mine area.
- Work area monitoring for air borne dust is carried out regularly on monthly basis, monitoring results are enclosed as under:

Air Borne Dust Survey - Lodhva Mines (April 2024 - September 2024)

Machine : Surface Miner				Machine : Dozer				Machine : Loader			
Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)
08-Apr-24	06:00 - 14:00	Inside Cabin	0.36	09-Apr-24	06:00 - 14:00	Inside Cabin	0.31	23-Apr-24	06:00 - 14:00	Inside Cabin	0.33
07-May-24	06:00 - 14:00		0.37	08-May-24	06:00 - 14:00		0.32	09-May-24	06:00 - 14:00		0.34
18-Jun-24	14:00 - 22:00		0.29	19-Jun-24	14:00 - 22:00		0.36	20-Jun-24	14:00 - 22:00		0.38
03-Jul-24	06:00 - 14:00		0.31	04-Jul-24	06:00 - 14:00		0.37	05-Jul-24	06:00 - 14:00		0.32
22-Aug-24	06:00 - 14:00		*	23-Aug-24	06:00 - 14:00		0.32	24-Aug-24	06:00 - 14:00		0.34
05-Sep-24	06:00 - 14:00	*	08-Sep-24	06:00 - 14:00	*	07-Sep-24	06:00 - 14:00	0.27			

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**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	will report directly to the Head of the Organization.	qualified personal is in place. Head of Environmental Management cell directly report to the Unit Head of the Organization. <b>EMD Organization chart is enclosed as Under:</b>																																																																																																																																																																																																																																																																										
		<div>Organisation chart</div> <div><div>Chief Manufacturing Officer / Unit Head</div><div>Head - Environment</div><div><div>Asst. Manager Environment</div><div>Officer(Env.)</div></div></div>																																																																																																																																																																																																																																																																										
ix	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment, Forest & Climate Change and its Regional Office located at Bhopal.	<ul style="list-style-type: none"><li>Details of capital and recurring expenditure for environmental protection measures are enclosed as under:</li></ul>																																																																																																																																																																																																																																																																										
<table><tr><th colspan="3">Expenditure incurred in Environment Management Plant - Lodhva Mines</th><th colspan="7">Ambuja Cement Foundation - Ambujanagar</th></tr><tr><th colspan="3">A. Capital Investment For Environmental Monitoring :</th><th colspan="7">Details for programme wise expenditure for the year April to Sept. 2024</th></tr><tr><th>Sr. No.</th><th>Particulars</th><th>Cost (in lacs)</th><th colspan="7">(Rs. in lakhs)</th></tr><tr><td>1</td><td>Monitoring Equipments</td><td>40.14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>Environment Laboratory</td><td>15.38</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>Others (Monitoring Van, DG Sets, etc.)</td><td>10.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">TOTAL (in lacs INR)</td><td>65.52</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th colspan="3">B. Recurring Expenditure For The Period Of April'24 to September'24</th><th colspan="7"></th></tr><tr><th>Sr. No.</th><th>Particulars</th><th>Cost (in lacs)</th><th>Sr. No.</th><th>Programme</th><th>ACF - ACF</th><th>*Funds received through Government</th><th>** Funds from other Donors / Orphan Agencies</th><th>***People's Contribution</th><th>****Direct Funding to Communities</th><th>Total Exp.</th></tr><tr><td colspan="3"></td><td>1</td><td>GLMARAT - Kothliap</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="3"></td><td>1</td><td>Water Resource Management &amp; Drinking Water Projects</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="3"></td><td>a</td><td>Water Resource Development</td><td>0.10</td><td></td><td>3.92</td><td></td><td></td><td>3.92</td></tr><tr><td colspan="3"></td><td>b</td><td>Drinking Water Programme</td><td>0.44</td><td></td><td></td><td></td><td></td><td>0.44</td></tr><tr><td colspan="3"></td><td>2</td><td>Agriculture Development (Drip irrigation, Farm Forestry &amp; Afforestation)</td><td>40.10</td><td></td><td>65.17</td><td>356.93</td><td>576.14</td><td>1061.28</td></tr><tr><td colspan="3"></td><td>3</td><td>Better Cotton and others</td><td>5.04</td><td></td><td>258.47</td><td>223.34</td><td>245.96</td><td>772.69</td></tr><tr><td colspan="3"></td><td>4</td><td>Onishi Vijayan Kothra (KVK) - Agriculture</td><td>3.61</td><td>105.22</td><td></td><td></td><td></td><td>107.83</td></tr><tr><td colspan="3"></td><td>5</td><td>Health &amp; Sanitation</td><td>11.48</td><td></td><td>0.50</td><td>1.70</td><td></td><td>22.46</td></tr><tr><td colspan="3"></td><td>6</td><td>Education Programme</td><td>7.64</td><td></td><td></td><td></td><td></td><td>7.64</td></tr><tr><td colspan="3"></td><td>7</td><td>Women / Youth Development</td><td>10.83</td><td></td><td></td><td></td><td></td><td>10.83</td></tr><tr><td colspan="3"></td><td>8</td><td>Skill and Entrepreneurship Development Programme</td><td>48.47</td><td>2.12</td><td>34.15</td><td>11.03</td><td></td><td>98.47</td></tr><tr><td colspan="3"></td><td>9</td><td>Integrated Community Development Programme</td><td>28.50</td><td></td><td></td><td></td><td></td><td>28.50</td></tr><tr><td colspan="3"></td><td>10</td><td>Co-ordination &amp; Administration Expenses</td><td>11.22</td><td></td><td></td><td></td><td></td><td>11.22</td></tr><tr><td colspan="3"></td><td>11</td><td>Capital Expenditure</td><td></td><td></td><td></td><td></td><td></td><td>0.00</td></tr><tr><td colspan="2">TOTAL (in lacs INR)</td><td>30.94</td><td colspan="2">TOTAL</td><td>168.42</td><td>107.94</td><td>400.81</td><td>844.90</td><td>824.04</td><td>2345.81</td></tr><tr><td colspan="3">* Expenditure are common for All the Plant &amp; Mines</td><td colspan="7"></td></tr></table>			Expenditure incurred in Environment Management Plant - Lodhva Mines			Ambuja Cement Foundation - Ambujanagar							A. Capital Investment For Environmental Monitoring :			Details for programme wise expenditure for the year April to Sept. 2024							Sr. No.	Particulars	Cost (in lacs)	(Rs. in lakhs)							1	Monitoring Equipments	40.14								2	Environment Laboratory	15.38								3	Others (Monitoring Van, DG Sets, etc.)	10.00								TOTAL (in lacs INR)		65.52								B. Recurring Expenditure For The Period Of April'24 to September'24										Sr. No.	Particulars	Cost (in lacs)	Sr. No.	Programme	ACF - ACF	*Funds received through Government	** Funds from other Donors / Orphan Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp.				1	GLMARAT - Kothliap										1	Water Resource Management & Drinking Water Projects										a	Water Resource Development	0.10		3.92			3.92				b	Drinking Water Programme	0.44					0.44				2	Agriculture Development (Drip irrigation, Farm Forestry & Afforestation)	40.10		65.17	356.93	576.14	1061.28				3	Better Cotton and others	5.04		258.47	223.34	245.96	772.69				4	Onishi Vijayan Kothra (KVK) - Agriculture	3.61	105.22				107.83				5	Health & Sanitation	11.48		0.50	1.70		22.46				6	Education Programme	7.64					7.64				7	Women / Youth Development	10.83					10.83				8	Skill and Entrepreneurship Development Programme	48.47	2.12	34.15	11.03		98.47				9	Integrated Community Development Programme	28.50					28.50				10	Co-ordination & Administration Expenses	11.22					11.22				11	Capital Expenditure						0.00	TOTAL (in lacs INR)		30.94	TOTAL		168.42	107.94	400.81	844.90	824.04	2345.81	* Expenditure are common for All the Plant & Mines									
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x	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Regular six-monthly environmental clearance compliance reports are being submitted to MoEF&CC. Last submission was on dated <b>15.05.2024</b> vide letter <b>ACL/EMD/F-16/2024/2658/May-24/414/3</b>																																																																																																																																																																																																																																																																										
xi	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"><li>Point noted and will be complied.</li><li>Full support and co-operation is being extended during the visit of officers from Ministry of Environment &amp; Forest, CPCB as well as GPCB.</li></ul>																																																																																																																																																																																																																																																																										
xii	The project proponent shall submit six monthly	<ul style="list-style-type: none"><li>Regular self yearly compliance status</li></ul>																																																																																																																																																																																																																																																																										





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance 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 the Ministry of Environment and Forests, Bhopal, the respective Zonal Office of central Pollution Control Board and the State Pollution Control Board.	report is being regularly submitted and last submission was on <b>dated 15.05.2024</b> <b>vide letter ACL/EMD/F-16/2024/2658/May-24/414/3</b>
xiii	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	<ul style="list-style-type: none"> <li>• <b>Complied</b></li> <li>• A copy of clearance letter has been sent to Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body vide our letter nos. <b>ACL/EMD/F -13/2016/580, Dated 01.06.2016.</b></li> </ul>
		
xiv	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	<ul style="list-style-type: none"> <li>• <b>Complied</b></li> <li>• This is in purview of GPCB and we have also informed to GPCB (Ro-Office) , District development officer, District Collector and District Industry Center <b>ACL/EMD/F-13/2016/580 dated 01.06.2016.</b></li> </ul>



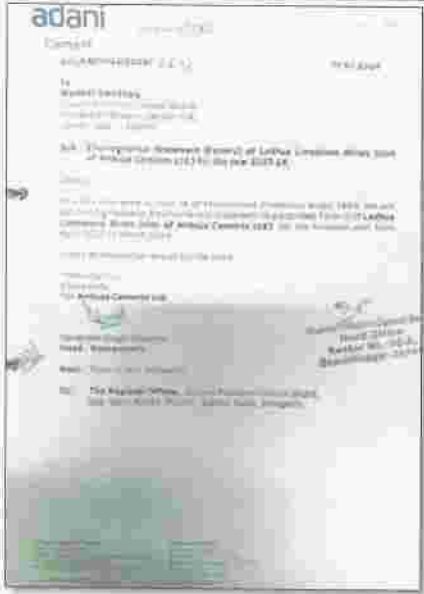



**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

	<p align="center"><b>Ambuja Cement</b></p> <p>ACL/EMD/F-130016      Date: 01.06.2016</p> <p>To, District Collector District, Gir Somnath</p> <p>Sub: Environment Clearance of Limestone Mining with production capacity 1.5 million TPA of Limestone by M/s Ambuja Cement Limited, located at village-Lodhva, Taluka-Sutrapada, District- Gir Somnath (Franchisee Jamsakhvi), Gujarat (Lease area 591.1289 ha)</p> <p>Ref: Vide letter F. No. J-11015/446/2013-IA.II (M) dated 26<sup>th</sup> May, 2016</p> <p>Sr.</p> <p>We would like to inform you that Ministry of Environment, Forest &amp; Climate Change (MoEF&amp;CC), New Delhi has granted Environment Clearance to M/s Ambuja Cement Limited for Lodhva Limestone mining (Lease area 591.1289 ha) production capacity 1.5 million TPA at village Lodhva, Taluka-Sutrapada, District Gir Somnath.</p> <p>According to point no. (vi) of General Condition of Environment Clearance, we are hereby submitting the copy of Environment Clearance of Lodhva Limestone mining for your kind information and reference please.</p> <p>Thanking You</p> <p align="right">Yours Sincerely, S. Ramdas Unit Head &amp; Joint President</p> <p align="right"><i>S. Ramdas</i> S. Ramdas Unit Head &amp; Joint President</p> <p><small>Head Office Ambuja Cement Limited Gir, Somnath Phone: 022795 21111, 21112 Fax: 022795 21113, 21114 E-mail: info@ambujacement.com</small></p> <p><small>Regional Office Gujarat Plot No. 10, Sector 10, Gandhinagar Gandhinagar, Ahmedabad-380015 Phone: 079-2608 2111, 2112 Fax: 079-2608 2113 E-mail: info@ambujacement.com</small></p> <p><small>Customer Office Plot No. 10, Sector 10, Gandhinagar Gandhinagar, Ahmedabad-380015 Phone: 079-2608 2111, 2112 Fax: 079-2608 2113 E-mail: info@ambujacement.com</small></p>	<p align="center"><b>Ambuja Cement</b></p> <p>ACL/EMD/F-130016      Date: 01.06.2016</p> <p>To, Regional Officer Regional Pollution Control Board Opp: Sant Aina's Church, Station Road District-Jamnagar, Gujarat</p> <p>Sub: Environment Clearance of Lodhva Mining with production capacity 1.5 million TPA of Limestone by M/s Ambuja Cement Limited, located at village-Lodhva, Taluka-Sutrapada, District- Gir Somnath (Franchisee Jamsakhvi), Gujarat (Lease area 591.1289 ha)</p> <p>Ref: Vide letter F. No. J-11015/446/2013-IA.II (M) dated 26<sup>th</sup> May, 2016</p> <p>Sr.</p> <p>We would like to inform you that Ministry of Environment, Forest &amp; Climate Change (MoEF&amp;CC), New Delhi has granted Environment Clearance to M/s Ambuja Cement Limited for Lodhva Limestone mining (Lease area 591.1289 ha) production capacity 1.5 million TPA at village Lodhva, Taluka-Sutrapada, District Gir Somnath.</p> <p>We are hereby submitting the copy of Environment Clearance of Lodhva Limestone mining and Newspaper clipping of advertisement about project for your kind information and reference please.</p> <p>Thanking You</p> <p align="right">Yours Sincerely, (For Ambuja Cement Ltd.)</p> <p align="right"><i>S. Ramdas</i> S. Ramdas Unit Head &amp; Joint President</p> <p><small>Head Office Ambuja Cement Limited Gir, Somnath Phone: 022795 21111, 21112 Fax: 022795 21113, 21114 E-mail: info@ambujacement.com</small></p> <p><small>Regional Office Gujarat Plot No. 10, Sector 10, Gandhinagar Gandhinagar, Ahmedabad-380015 Phone: 079-2608 2111, 2112 Fax: 079-2608 2113 E-mail: info@ambujacement.com</small></p> <p><small>Customer Office Plot No. 10, Sector 10, Gandhinagar Gandhinagar, Ahmedabad-380015 Phone: 079-2608 2111, 2112 Fax: 079-2608 2113 E-mail: info@ambujacement.com</small></p>	
xv	<p>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 environmental clearance conditions and shall also sent to the Regional Office of Ministry of Environment and Forests, Bhopal by e-mail.</p>	<p>• Environmental statement is being Submitted to concern authority for each financial year and this year submission was on <b>17.07.2024</b> vide letter no. <b>ACL/EMD/F-22/2024/2696/July-24/586</b></p>	





**Compliance Status of Environment Clearance issued to Lodhva Limestone Mines  
vide MoEF&CC Letter No: J-11015/446/2013-IA.II (M) dated 26th May, 2016**

		
xvi	<p>The project authorities should advertise at least in 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 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 Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.</p>	<ul style="list-style-type: none"> <li>• <b>Complied</b></li> <li>• Advertisement was published in two local news papers. Copy is pasted as under (a).</li> <li>• Copy of advertisement has been submitted to MoEF&amp;CC on <b>01.06.2016</b> vide letter no. <b>ACL/EMD/F-13/2016/580/78600</b>. Copy is pasted as under (b).</li> </ul>
		 

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