KAMAL CEMENT
SINCE 1944

By Email

Date-30.11.2022

CHO/MoEF/HYC/A/302/3175

To,
Deputy Director General of Forests (C)
Integrated Regional Office, Gandhi Nagar
Ministry of Environment, Forest & Climate Change,
A- Wing -407 & 409, Aranya Bhawan,
Near CH -3 Circle Sector-10 A,
Gandhinagar -382010 (Gujarat)

Subject: Submission of 6 Monthly Compliance Report of the conditions as laid down in the Environmental Clearance letter No J-11015/47/2005-IA. II (M), dated 07/10/2005, in respect of **Chorbedi (Composite) Limestone Mines**, pertaining to Shree Digvijay Cement Co Ltd. for the Period of **April 22 to Sept. 22**

Respected Sir,

As required, we are submitting herewith Pointwise compliance status to various stipulations, as laid-down in Environmental Clearance letter No. J-11015/47/2005-IA. II (M), dated 07/10/2005 with supporting documents, is enclosed with the following Annexure: -

a.	Environment Statement in Form V for the year	:	Annexure A
b.	Ambient Air Quality Reports	:	Annexure B
c.	Noise Level	:	Annexure C
d.	Environment Yearly Expenses Statement	:	Annexure D

We hope that you will find the above submission in order

Thanking you,

Yours faithfully,
For **SHREE DIGVIJAY CEMENT CO. LTD.**

Malay Kumar Rout
Manager (Mines)

Enclosure: As Above

Copy To:
The Environmental Engineer, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector 10A, Gandhinagar -382010

SHREE DIGVIJAY CEMENT CO. LTD.

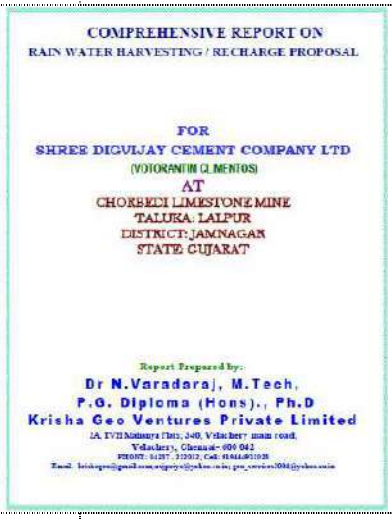
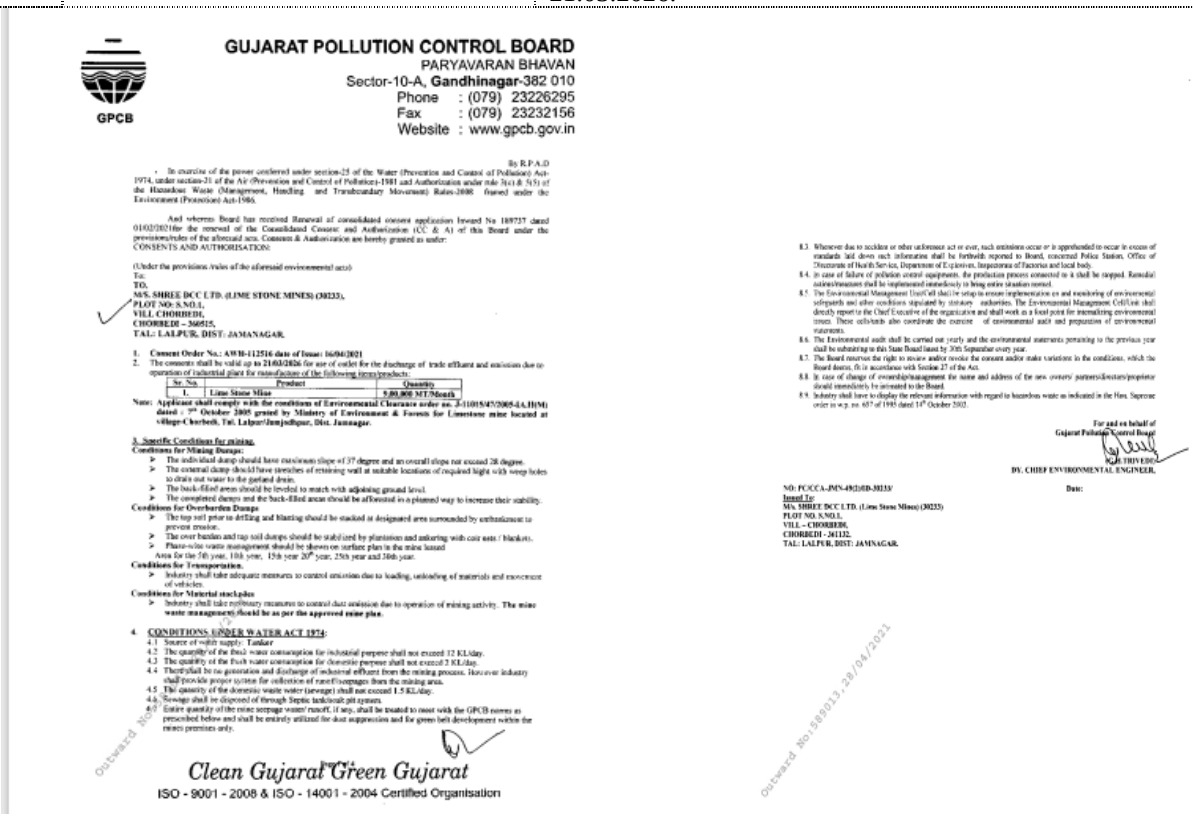
CHORBEDI (COMPOSITE) LIMESTONE MINE

SIX MONTHLY COMPLIANCE STATUS
April-2022 to September-2022

<table>
<tr><th>S. NO.</th><th>CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td>A.</td><td colspan="2">Specific Conditions</td></tr>
<tr><td>(i)</td><td>The production capacity from this mine shall not exceed 0.9 MTPA with a capping of production of limestone to a capacity of 2.2 MTPA from all 5 Mines, namely Gop, Pachhtar, Mokhana, Chorbedi and Bhogat Limestone mines put together subject to the individual mines obtaining environmental clearance.</td><td>Production during April-2022 to Sept-2022 is 157923.115 MT from Chorbedi (Composite) Limestone Mine.
04 Mines viz. Gop, Chorbedi, Pachhtar and Mokhana Mines have obtained EC individually as detailed below:
Gop Mines – J-11015/47/2005-IA. II (M) dated 7th October 2005.
Chorbedi Mines – J-11015/47/2005-IA. II (M) dated 7th October 2005.
Pachhtar Mines - J-11015/49/2005-IA. II (M) dated 7th October 2005.
Mokhana Mines- J-11015/48/2005-IA. II (M) dated 7th October 2005.
Production of all 05 Limestone Mines during April 2022 to Sept-2022 and its capacities are as under-
<table>
<tr><th>Name of Mine</th><th>EC Capacity in Million Tons</th><th>Production in Million Tons</th><th>Remarks</th></tr>
<tr><td>Gop</td><td>0.25</td><td>0.159</td><td rowspan="5">Within the EC Limit</td></tr>
<tr><td>Pachhtar</td><td>1.00</td><td>0.443</td></tr>
<tr><td>Chorbedi</td><td>0.90</td><td>0.158</td></tr>
<tr><td>Mokhana</td><td>0.70</td><td>0.000</td></tr>
<tr><td>Bhogat</td><td>EC not granted</td><td>0.000</td></tr>
<tr><td>Total</td><td>2.85
(Limited to 2.20)</td><td>0.760</td><td></td></tr>
</table>
Mokhana Mines: Whole lease area of Mokhana Mines was under Forest Land for which Possession taken over by Forest Department on 07.08.2004. The operations were stopped since 05.08.2004.
Bhogat Mines: The area covered under CRZ and EC for this mine is rejected vide MoEF letter 09.10.2006. There is no production from Bhogat Mines Since 21.10.2004.</td></tr>
<tr><td>(ii)</td><td>No mining shall be undertaken in forest land for which forestry clearance has not been obtained.</td><td>No Forestry Clearance given for 220.84 Hectares Forest land and possession handed over to Forest Department since 24.09.2004. No Mining is undertaken within the Forest Area since enforcement.</td></tr>
<tr><td>(iii)</td><td>Catch drains and siltation ponds of appropriate size and check dams should be constructed to arrest silt and sediment flows from the mining operations. The drains should be regularly desilted and maintained properly.
Garland drain (size, gradient & length) shall be constructed for both mine pit and for the waste dump. Sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate</td><td>Construction of Garland Drains:
For Waste Dump: Not applicable as there is no waste.
For Mines: The mining is being done in slope and bottom of the hilly area following limestone deposits.
Water flowing downwards from catchment is trapped into Mine Pits through water channels (Drains). The details are given in Annexure 1, vide our letter no Cho/MoEF/HYC/A/302/1985, Email dated 20.03.2020.
Pits and Drains are marked in Surface Plan and submitted vide our letter no Cho/MoEF/HYC/A/302/1985, Email dated 20.03.2020 to your kind office as Annexure 2.
Size of the Sump (Pit) is capable to receive and store 803900.00 KL of water with average rainfall 630 mm and calculated by considering 60 % run of coefficient collection efficiency =303874.2 KL.</td></tr>
</table>

<table>
<tr><th>S. NO.</th><th>CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td></td><td>retention period to allow proper setting of silt material. Sedimentation pits should be constructed at the corners of the garland drains.</td><td>Sumps are large enough to provide adequate retention period for proper settling of silt material.</td></tr>
<tr><td colspan="3"> </td></tr>
<tr><td>(iv)</td><td>Drills should be wet operated or with dust extractors.</td><td>Drill machines are not in operation.</td></tr>
<tr><td>(v)</td><td>Controlled blasting should be practiced and only between 12 Noon and 2 PM. The mitigative measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.</td><td>Drilling & Blasting has been eliminated by the use of Ripper–Dozer and Excavator combination, an Eco-Friendly mining.
 </td></tr>
<tr><td>(vi)</td><td>Plantation shall be done over the lease area covering 20.95 ha, which includes a green belt of adequate width around the ML area, along roads by planting suitable native species in consultation with the local DFO/Agricultural Department. The density of trees should be around 1000 plants per hectare.</td><td>Plantation program is under progress & required area to be afforested during life of mine. A table with year wise plantation is given below;
<table>
<tr><th>Year</th><th>Nos of Saplings planted</th></tr>
<tr><td>Up to 2018-19</td><td>5880</td></tr>
<tr><td>2019-20</td><td>1100</td></tr>
<tr><td>2020-21</td><td>4141</td></tr>
<tr><td>2021-22</td><td>11118</td></tr>
<tr><td>2022-23 (September-2022)</td><td>25336</td></tr>
<tr><td>Total</td><td>47575</td></tr>
</table>
The species are selected as per recommendations of the Social Forestry division of the Forest Department at Taluka Lalpur, District Jamnagar. Saplings are also purchased from their Nursery.
We have planted 25336.Nos of plants against the target of 1500 Nos of Plants for development of greenbelt over the next 10 years as per Annexure 3 of our letter no Cho/MoEF/HYC/A/302/1985, Email dated 20.03.2020.</td></tr>
</table>

S. NO.	CONDITIONS	COMPLIANCE STATUS
(vii)	A water reservoir of 6 ha shall be created from the deeper section of worked out pit. The higher benches of the void shall be terraced, and plantation done to stabilize the slopes. Peripheral fencing shall be done along with excavated area.	A water reservoir of 6 ha. (Size – 400m X 150m) is created from the deeper section of worked out pit which helps in recharging ground water in the area. Terracing of Benches is being done. Planation at bench and fencing shall be created around the reservoir on maturity of mining operations; during final closure of the mining in 2033.
(viii)	Ground water shall not be encountered during mining operations. Prior approval of the MOEF and CGWA shall be taken for mining below ground water.	Ground Water is not encountered during mining operations. Mining is being carried out as per Approved mining plan and no ground will intersect. The Limestone thickness in the area is 4-10 mtrs from GL, whereas the Water table lies about 12-20 mtrs BGL, so there is no possibility of working below Ground Water.
(ix)	Rainwater harvesting measures shall be taken up in consultation with the Regional Office, CGWB to recharge and augment groundwater in the area.	A study from reputed consultant and ex Director of CGWB is carried out for systematic Rainwater Harvesting in Chorbedi Mines. The report with proposals is submitted to Regional Office, CGWB, Ahmedabad along with application for Ground Water abstraction. As per proposal old mine pits are created which serves as recharge ponds. Additionally Circular pits in plantation area are also being made. Artificial Recharge structure at proposed Mines Office shall also be taken up once approval from CGWB, Ahmedabad is granted.

S. NO.	CONDITIONS	COMPLIANCE STATUS
		 COMPREHENSIVE REPORT ON RAIN WATER HARVESTING / RECHARGE PROPOSAL FOR SHREE DIGVIJAY CEMENT COMPANY LTD (VOTORANTIN CEMENTOS) AT CHORBEDI LIMESTONE MINE TALUKA: LALPUR DISTRICT: JAMNAGAR STATE GUJARAT Report Prepared by: Dr N.Varadaraj, M.Tech, P.G. Diploma (Hons)., Ph.D Krisha Geo Ventures Private Limited 1A, IVTI Mahaura Flats, 340, Velachery main road, Velachery, Chennai- 600 042
(x)	A final Mine Closure Plan along with detail of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.	The validity of Mining Lease is up to 06.11.2033. Balance life of Mine is envisaged as 11 Years @ present rates of production. So Final Closure is anticipated by 2033; accordingly, Final Mine Closure plan will be submitted by 2028 i.e. before 5 years of anticipated closure.
(xi)	Consent to operate shall be obtained from the SPCB before expanding mining operations.	CTO and subsequent Renewal of Consolidated Consents & Authorization has been obtained from GPCB, Gandhinagar, vide Order No. PC/CCAJMN-49/ID30233/589013 dated 28.04.2021 Consent order No.AWH-112516 dated 16.04.2021 valid up to 21.03.2026.
	 GUJARAT POLLUTION CONTROL BOARD PARYAVARAN BHAVAN Sector-10-A, Gandhinagar-382 010 Phone : (079) 23226295 Fax : (079) 23232156 Website : www.gpcb.gov.in GPCB By R.P.A.D In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-31 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules-2008 framed under the Environment (Protection) Act-1986. And whereas Board has received Renewal of consolidated consent application Inward No 189737 dated 01/02/2021for the renewal of the Consolidated Consent and Authorization (CC & A) of this Board under the provisions/rules of the aforesaid acts. Consent & Authorization are hereby granted as under: CONSENTS AND AUTHORISATION: (Under the provisions /rules of the aforesaid environmental acts) To, TO, M/S. SHREE DCC LTD. (LIME STONE MINES) (30233), PLOT NO: S.NO.1, VILL CHORBEDI, CHORBEDI – 360515, TAL: LALPUR, DIST: JAMANAGAR. 1. Consent Order No.: AWH-112516 date of Issue: 16/04/2021 2. The consents shall be valid up to 21/03/2026 for use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for manufacture of the following items/products: Sr. No. | Product | Quantity 1. | Lime Stone Mine | 9,00,000 MT/Month Note: Applicant shall comply with the conditions of Environmental Clearance order no. J-11015/47/2005-IA.II(M) dated : 7th October 2005 granted by Ministry of Environment & Forests for Limestone mine located at village-Chorbedi, Tal. Lalpur/Jamjodhpur, Dist. Jamnagar. 3. Specific Conditions for mining. Conditions for Mining Dumps: ➢ The individual dump should have maximum slope of 37 degree and an overall slope not exceed 28 degree. ➢ The external dump should have stretches of retaining wall at suitable locations of required hight with weep holes to drain out water to the garland drain. ➢ The back-filled areas should be leveled to match with adjoining ground level. ➢ The completed dumps and the back-filled areas should be afforested in a planned way to increase their stability. Conditions for Overburden Dumps ➢ The top soil prior to drilling and blasting should be stacked at designated area surrounded by enthanlcement to prevent erosion. ➢ The over burden and top soil dumps should be stabilized by plantation and enforcing with coir nets / blankets. ➢ Phase-wise waste management should be shown on surface plan in the mine leased Area for the 5th year, 10th year, 15th year 20th year, 25th year and 30th year. Conditions for Transportation. ➢ Industry shall take adequate measures to control emission due to loading, unloading of materials and movement of vehicles. Conditions for Material stockpiles ➢ Industry shall take necessary measures to control dust emission due to operation of mining activity. The mine waste management should be as per the approved mine plan. 4. CONDITIONS UNDER WATER ACT 1974: 4.1 Source of water supply: Tanker 4.2 The quantity of the fresh water consumption for industrial purpose shall not exceed 12 KL/day. 4.3 The quantity of the fresh water consumption for domestic purpose shall not exceed 3 KL/day. 4.4 There shall be no generation and discharge of industrial effluent from the mining process. However industry shall provide proper system for collection of rain/Drainages from the mining area. 4.5 The quantity of the domestic waste water (sewage) shall not exceed 1.5 KL/day. 4.6 Sewage shall be disposed of through Septic tank/soak pit system. 4.7 Entire quantity of the mine seepage water/ runoff, if any, shall be treated to meet with the GPCB norms as prescribed below and shall be entirely utilized for dust suppression and for green belt development within the mines premises only. Clean Gujarat Green Gujarat ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation 8.3. Whenever due to accident or other unfortunate act or over, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station, Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body. 8.4. In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial measures/measures shall be implemented immediately to bring entire situation normal. 8.5. The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for mainstlining environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements. 8.6. The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year. 8.7. The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems fit in accordance with Section 27 of the Act. 8.8. In case of change of ownership/management the name and address of the new owners/ partners/directors/proprietor should immediately be intimated to the Board. 8.9. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w.p. no. 657 of 1995 dated 14th October 2003. For and on behalf of Gujarat Pollution Control Board (K.R.TRIVEDI) DY. CHIEF ENVIRONMENTAL ENGINEER. NO: PC/CCA-JMN-49(1)ID-30233/ Date: Issued To: M/s. SHREE DCC LTD. (Lime Stone Mines) (30233) PLOT NO. S.NO.1, VILL – CHORBEDI, CHORBEDI - 361132. TAL: LALPUR, DIST: JAMNAGAR. Outward No: 589013, 28/04/2021	

<table>
<tr><th>S. NO.</th><th>CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td>B.</td><td>General conditions</td><td></td></tr>
<tr><td>(i)</td><td>No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.</td><td>Noted.
There is no change in mining technology and scope of working.</td></tr>
<tr><td>(ii)</td><td>No change in the calendar plan including excavation, quantum of limestone and waste should be made.</td><td>No change is made in the calendar plans including excavations, quantum of Limestone and waste.
<table>
<tr><th>Year</th><th>Mineral</th><th>Proposed Production as per approved Mining Plan in MT</th><th>Actual Production in MT</th><th>Remarks</th></tr>
<tr><td>2022-23</td><td>Limestone</td><td>400000</td><td>157923.115 (September-2022)</td><td></td></tr>
</table></td></tr>
<tr><td>(iii)</td><td>Data on ambient air quality (RPM and SPM) should be regularly submitted once a year to the Ministry including its Regional Office (WZ) at Bhopal and the Gujarat State Pollution Control Board /Central Pollution Control Board once in six months.)</td><td>Ambient Air Quality is being monitored on regular basis and results are well within the stipulated norms. Monitoring reports are being submitted to all concerned offices regularly.

A copy of test report for the period of April-2022 to June-2022 is attached herewith for your kind reference as Annexure B.</td></tr>
<tr><td>(iv)</td><td>Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading & unloading) should be provided and properly maintained.</td><td>Water is being sprinkled continuously on the mine haul roads as well as near the faces in order to suppress the fugitive emissions generated due to the movements of vehicles.

 </td></tr>
<tr><td>(v)</td><td>Adequate measures should be taken for control of noise levels in the work environment.</td><td>Noise monitoring is being done regularly. The noise levels are well within the limits; however, ear plugs / earmuffs is being provided to operators.

Copy of noise monitoring report for the period of April-2022 to June-2022 enclosed as Annexure C.</td></tr>
<tr><td>(vi)</td><td>Industrial wastewater, if any, should be properly collected, treated so as to conform to the standards prescribed</td><td>Repair and maintenance of vehicles is being done at Tata Corgo workshop, Rajkot.
All maintenance & treatment facilities like ETP are available as per</td></tr>
</table>

<table>
<tr><th>S. NO.</th><th>CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td></td><td>under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time.</td><td>the norms. A photograph is attached for your kind reference.
 </td></tr>
<tr><td>(vii)</td><td>Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</td><td>Occupational health surveillance program of the workers is being taken regularly and Periodic Medical Examination (PME) of all the workmen is done at statutory intervals. Initial / Periodical Medical Examination is being carried out for following parameters as per Form O under rule 29 B of Mines Rules 1955 for all employees General Development: Height, Weight, Eye, Ears, Respiratory System, Circulatory System, Nervous System, Locomotor System, Hydrocele Any other abnormality. Urine, Skiagram of Chest, Cardiological Assessment, Neurological Assessment, ILO-Chest Radiograph, Spirometry, Audiometry, Pathological Test (Blood Sugar – Fasting & Post Prandial). So far not a single case is detected for dust borne disease.</td></tr>
<tr><td>(viii)</td><td>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 this Ministry’s Regional Office located at Bhopal (WZ).</td><td>Noted. Year wise expenditures on environmental protection measures is given below:
<table>
<tr><th>S.No.</th><th>Year</th><th>Recurring Yearly Expenditure (In Rs)</th></tr>
<tr><td>1</td><td>2013-14</td><td>₹ 303784</td></tr>
<tr><td>2</td><td>2014-15</td><td>₹ 340882</td></tr>
<tr><td>3</td><td>2015-16</td><td>₹ 356060</td></tr>
<tr><td>4</td><td>2016-17</td><td>₹ 311700</td></tr>
<tr><td>5</td><td>2017-18</td><td>₹ 437775</td></tr>
<tr><td>6</td><td>2018-19</td><td>₹ 472097</td></tr>
<tr><td>7</td><td>2019-20</td><td>₹ 417950</td></tr>
<tr><td>8</td><td>2020-21</td><td>₹ 620250</td></tr>
<tr><td>9</td><td>2021-22</td><td>₹ 762327</td></tr>
<tr><td>10</td><td>2022-23 (September-2022)</td><td>₹ 2126820</td></tr>
</table>
Details on Expenditure for environmental protection measures for the FY 2022-23 (up to September-2022) is enclosed as Annexure D.</td></tr>
<tr><td>(ix)</td><td>The Regional Office (WZ) of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data / information/ monitoring reports.</td><td>Noted.
Compliance report is being submitted regularly along with annexures to all concerned offices along with MoEF &CC, Regional Office.</td></tr>
<tr><td>(x)</td><td>A copy of clearance letter will be marked to concerned Panchayat / local NGO, if</td><td>Copy of clearance letter has been submitted to all concerned Panchayat/Offices.</td></tr>
</table>

S. NO.	CONDITIONS	COMPLIANCE STATUS
	any, from whom and suggestion / representation has been received while processing the proposal.	 SHREE DIGVIJAY CEMENT CO. LTD. SDCCL/GPCB/CSJ/2005 13.12.2005 The Sarpanch Chorbedi Village Dist. Jamnagar Dear Sir, Sub:- Environmental Clearance by M.O.E.F., New Delhi in respect of our Limestone Mines. Enclosed please find the Notified published Literature in respect of Environmental Clearance having been accorded to our Limestone Mines, by the M.O.E.F., New Delhi. The Publication has appeared in – 1) The Times of India Ahmedabad Edition 2) Phoolchhab Rajkot Edition Thanking you, Yours faithfully, For SHREE DIGVIJAY CEMENT CO. LTD. C. S. JESOL VICE PRESIDENT (CE, C&L) Encl : a/a
(xi)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days and provide copies of the same to anyone requesting for the same.	Noted.
(xii)	The project authorities should advertise in at least two local newspapers widely circulated around the project, one of which shall be in vernacular language of the locality concerned, within 7 days of the issue of 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 may also be seen at web site of the Ministry of Environment and Forests at htt://envfor.nic.in.	Noted. We have published Environment Clearance information in the two local newspapers dated 10.12.2005. (1) Times of India – Ahmedabad Edition (2) Phoolchhab – Rajkot edition. Govt rules out JPC probe into oil scam PAC for special AIDS control agency in N-E SHREE DIGVIJAY CEMENT CO. LTD. PO. Digvijaygram, Via Jamnagar, 361 140(Gujarat) Ph. : (0288) 2344272 to 275, Fax (0288) 2344092 e-mail: sdccisk@satyam.net.in ENVIRONMENTAL CLEARANCE BY MOEF. Vide letters bearing Ref. Nos. J-11015/49/2005-IA.II(M) dated 7th October, 2005, J-11015/47/2005-IA.II(M) dated 7th October, 2005, J-11015/48/2005-IA.II(M) dated 7th October, 2005 and J-11015/47/2005-IA.II(M) dated 7th October, 2005, the Ministry of Environment and Forests, Government of India, New Delhi has accorded Post-Facto Environmental Clearance in respect of the below mentioned Limestone Mines of Shree Digvijay Cement Co. Ltd. 1. Pachhtar (Composite) Limestone Mine, Village Pachhtar, Taluka Bhanvad, District Jamnagar, Gujarat. 2. Gop (Composite) Limestone Mine, Village Gop/Jeenawari, Taluka Jamjodhpur, District Jamnagar, Gujarat. 3. Mokhana Limestone Mines, Village, Mokhana, Taluka Bhanvad, District Jamnagar, Gujarat. 4. Chorbedi (Composite) Limestone Mine, Village Chorbedi, Taluka Lalpur/Jamjodhpur, District Jamnagar, Gujarat. Copies of the letters under reference are available with Gujarat Pollution Control Board, and may also be seen at the website of the Ministry of Environmental & Forests at http://envfor.nic.in વિશ્વાસ વિકાસ શ્રી દિગ્વીજય સીમેન્ટ કંપની લિ. e-mail: sdccisk@satyam.net.in ભારત સરકારના વન તથા પર્યાવરણ મંત્રાલય દ્વારા ઈન્વાયર્નમેન્ટલ ક્લિયરન્સ

O/c

Annexure-A

KAMAL CEMENT
SINCE 1944

REGISTERED A/D

GPCB-ID-30233

CHO/GPCB/Form -V/C/352/2914

Date: 07 April 2022

To,

The Environmental Engineer,
Gujarat Pollution Control Board,
Sector 10 A, Paryavaran Bhavan
Gandhinagar-382010 (Gujarat).

Subject: Submission of Form V for our Chorbedi (Composite) Limestone Mines pertaining to M/s Shree Digvijay Cement Company Limited

Sir,

We hereby submitting the form-V (Environment Audit Report) for the financial year ending 31st March 2022 (2021-2022) for our Chorbedi (Composite) Limestone mines.

We hope that you shall find the same in order.

Thanking you,

Yours faithfully,

For Shree Digvijay Cement Co. Ltd.

Shyam Narayan Singh

Manager Mine

Encl.: As above

Copy to Regional officer, GPCB, Jamnagar

SHREE DIGVIJAY CEMENT CO. LTD.

Registered Office & Works
Post- Digvijaygram 361140, Jamnagar,
Gujarat, India.
CIN L26940GJ1944PLC000749

+91 288 234 4272-75
+91 288 234 4092
info@digvijaycement.com
www.digvijaycement.com

FORM V

Environment Audit Report for the financial year ending the 31st March 2022

PART – A

1.	Name & Address of the Owner/ Occupier of the Industry Operation or process		**Shree Digvijay Cement Co. Ltd. Chorbedi (Composite) Limestone Mine Survey No.1 Village-Chorbedi Taluka- Lalpur, Distt. - Jamnagar (Gujarat)**
2.	Industry Category Primary: (STC Code) Secondary: (SIC Code)	:	**Mining Industry**
3.	Production Capacity	:	**0.9 million TPA**
4.	Year of Establishment	:	**07.11.1983**
5.	Date of the last Environmental Statement submitted	:	**22.05.2021**

PART – B

Water & Raw Material Consumption

(i) * Water consumption M^3 / day

Process	:	**0**
Cooling	:	**0**
Domestic (Drinking)	:	**1.00 KL**
Dust Suppression	:	**5.00 KL**
Plantation	:	**0.50 KL**

(*) P. S Yearly consumption spread equally over 365 days of a year

	Name of products	Process water consumption per unit of product	
		During previous Financial Year 2020-21	During current Financial Year 2021-22
	LIMESTONE	**Not Applicable**	**Not Applicable**

(ii) Raw material consumption

S. No.	Name of raw materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year 2020-21	During the current financial year 2021-22
1.	**Explosives**	**Limestone**	**0**	**0**
2	**Ammonium nitrate**		**0**	**0**
3	**Detonating Fuse**		**0**	**0**
4	**Safety Fuse**		**0**	**0**
5	**Detonator**		**0**	**0**
6	**Cord Relays**		**0**	**0**
7	**HSD**		**21135 L**	**144825 L**
10	**Lubricant oil**		**75 L**	**4083 L**
11	**Grease**		**123 Kg**	**578 Kg**

PART – C

Pollution discharged to Environment/unit of output
(Parameter as specified in the consent issued)

	Pollutants	Qty. of pollutants discharged (Kg/Day)	Concentration of pollutants in discharges (Mg/Nm³)	Percentage of variation from prescribed standard with reasons
(a)	**Water**	**NIL**		
(b)	**Air**	**Enclosed Annexure-1**		
		--	--	--
		--	--	--
		--	--	--

Note: The prescribed limit of concentration as per the Consent issued –

Sr. No.	**Pollutant**	**Time Weightage Average**	**Concentration in Ambient Air**
1	Sulphur dioxide (SO2) in Microgram/M3	Annual 24 hours	50 80
2	Nitrogen Dioxide(NOx) in Microgram/M3	Annual 24 hours	40 80
3	Particulate Matter (Size less than10 Microgram/M^3 or PM 10 Microgram/M3	Annual 24 hours	60 100
4	Particulate Matter (Size less than 2.5 Microgram/M^3 or PM 2.5 Microgram/M3	Annual 24 hours	40 60

PART – D

Hazardous Wastes
(As specified under Hazardous Wastes/Management & Handling Rules, 1989)

	Hazardous Wastes	Total Quantity (Kg.)	
		During the previous Financial Year-2020-21	During the current Financial Year -2021-22
(a)	From Process **(Used Oil from Machines)**	**10 Liters**	**110 Liters**
(b)	From pollution control facilities		

PART – E

(Solid Wastes)

		Total Quantity	
		During the Previous Financial Year	During the current Financial Year
(a) (b) (c)	From process From pollution control Facility i) Quantity recycled or re-utilized within the unit ii) Sold iii) Disposed	**Not applicable,** as there is no generation of solid waste from the process.	

PART – F

Please specify the characterization (in terms of concentration and quantum) of Hazardous as well as solid waste and indicate disposal practice adopted for both these categories of waste.

The used oil when taken out of machine at oil change time, it is collected in an empty barrel. This oil is reused for external lubrication of running moving parts of loading machine.
Not applicable as described above in Part – E.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Due to additional higher investment cost of pollution control monitoring and abatement measures there is slight additional burden on cost of production. Thus, the cost of production increases to certain extent. However, as it is absolutely necessary to have a pollution control to conserve ecology & environment, we have planted trees in the mines.

PART – H

Additional measures investment proposal for environmental protection including abatement of pollution, prevention of pollution.
Following control measures were contemplated for reducing dust in mines.

1. Mining is being done by Eco-friendly Dozer-Ripper.
2. Dust suppressed on haul road by water sprinkling.
3. Fumes and smoke emissions from HEMM controlled by regular maintenance and timely overhaul of engines.
4. Tarpaulin covering on the transporting vehicle before leaving the mine site.
5. AAQ monitoring is done on regular basis. Contract awarded to Royal Environment Auditing and consultancy Service, Rajkot and reports are submitted to GPCB, Gandhinagar, MOEF, New Delhi and Regional Office of MOEF.

PART – I

Any other particulars for improving the quality of the environment

Following are various measures taken by us: -

1. Adequate plantation has been done in mines.
2. Mining is carried out as per Approved Mining Plan.
3. Sense of creating & maintaining clean environment among the employees are being created by celebrating Mines Environment and Mineral Conservation Week every year and Environment Day and other such functions time to time on Environment, keeping slogan boards on environment etc.

Date: 07.04.2022

Signature of a person carrying out
an industry, operation or process

Name: SHYAM NARAYAN SINGH
Designation: Manager (Mines)
Address: Shree Digvijay Cement Co. Ltd.
P.O. Digvijaygram 361140
(Via) Jamnagar, Gujarat

Annexure-B

Royal
Environment Auditing & Consultancy Service
Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ▪ E-mail : royalenvironment@live.com ▪ admin@royalconsultancy.com

Ref. No. :690/06/2022-23

Date: 30/06/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : JUNE 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	07/06/2022	07/06/2022	08/06/2022	**08/06/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	SE	SE	SE	**SE**
04.	Average Wind Speed	Km./Hrs.	4 to 18	4 to 18	4 to 18	**4 to 18**
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.10	**1.13**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	26.5	25.4	27.9	**26.6**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	48.6	49.3	46.7	**48.2**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	14.2	13.6	12.2	**13.3**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	23.7	22.5	20.1	**22.1**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

Djadeja.

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Ashish
Analyst

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Ref. No. :691/06/2022-23

Date: 30/06/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : JUNE 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	---	07/06/2022	07/06/2022	08/06/2022	**08/06/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	----	SE	SE	SE	**SE**
04.	Average Wind Speed	Km./Hrs.	4 to 18	4 to 18	4 to 18	**4 to 18**
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	**1.17**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	29.4	27.6	28.3	**28.4**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	49.3	47.5	48.4	**48.4**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.6	12.7	14.1	**13.5**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	22.1	23.5	21.6	**22.4**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :7050/06/2022-23

Date: 30/06/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone
CHORBEDI MINES : JUNE 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	---	24/06/2022	24/06/2022	24/06/2022	**24/06/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	----	SW	SW	SW	**SW**
04.	Average Wind Speed	Km./Hrs.	5 to 19	5 to 19	5 to 19	**5 to 19**
05.	Average flow rate during sampling	m3/minutes	1.12	1.21	1.16	**1.16**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	29.4	26.5	27.3	**27.7**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	46.5	49.2	47.3	**47.7**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	11.4	13.1	12.0	**12.2**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	20.2	18.6	21.8	**20.2**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :7051/06/2022-23

Date: 30/06/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : JUNE 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	---	24/06/2022	24/06/2022	24/06/2022	24/06/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	SW	SW	SW	SW
04.	Average Wind Speed	Km./Hrs.	5 to 19	5 to 19	5 to 19	5 to 19
05.	Average flow rate during sampling	m3/minutes	1.10	1.19	1.15	1.15
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	28.6	27.9	29.1	28.5
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	48.3	47.5	49.0	48.3
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	10.9	12.3	11.5	11.6
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	21.2	22.4	18.9	20.8

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Reference No. : 3021/06/2022-23

Date : 30/06/2022

Personnel Dust Monitoring of HEMM Operators

1. Name of Unit: Chorbedi Limestone Mine of **Shree Digvijay Cement Company Limited**
   Village: Chorbedi, Taluka Lalpur, Dist: Jamnagar
2. Type of Unit: **Limestone Mining**
3. Activity: **HEMM Operation**
4. Type of Sample: **Personnel Dust Monitoring of HEMM Operators**
5. Sample Collected by: **Mr. Ashish Patat**
6. Date of Monitoring: 24th June, 2022

Sr. No.	Date	Location / Operation Mentioned (Operator 's Cabin of)	Name of Operator	Identified Contaminant	Sampling Instrument used	Airborne Contamination		Reference Method	Remarks
						No. of Samples	Average mg/m³		
1	24/06/2022	Dozer-Ripper	Vinod Bhai	Total Dust	Vaibhav Personnel Dust Sampler VPDS 203	01	1.24	Gravimetric	Closed Cabin for Operators
				Silica Dust			0.005		
2	24/06/2022	Excavator	Bhikhu Bhai	Total Dust		01	1.13		
				Silica Dust			0.008		
3	24/06/2022	Truck	Savdas Bhai	Total Dust		01	1.29		
				Silica Dust			0.004		
4	24/06/2022	Weigh Bridge	Mandip Joshi	Total Dust		01	1.22		
				Silica Dust			0.007		

Instrument Calibration Done On.: 04/03/2022

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Ref. No. :590/05/2022-23

Date: 31/05/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MAY 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	04/05/2022	04/05/2022	05/05/2022	**05/05/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	SW	SW	SW	**SW**
04.	Average Wind Speed	Km./Hrs.	2 to 15	2 to 15	2 to 15	**2 to 15**
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.20	**1.17**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	31.5	28.6	30.3	**30.1**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	53.4	51.6	52.8	**52.6**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	12.9	14.5	13.6	**13.7**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	22.6	20.4	23.8	**22.3**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :591/05/2022-23

Date: 31/05/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MAY 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	—	04/05/2022	04/05/2022	05/05/2022	05/05/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	SW	SW	SW	SW
04.	Average Wind Speed	Km./Hrs.	2 to 15	2 to 15	2 to 15	2 to 15
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	30.8	32.2	31.4	31.5
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	52.3	50.9	53.7	52.3
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	14.2	13.8	12.7	13.6
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	21.9	20.9	23.1	22.0

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :6050/05/2022-23

Date: 31/05/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MAY 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	—	27/05/2022	27/05/2022	27/05/2022	27/05/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	SE	SE	SE	SE
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	4 to 13
05.	Average flow rate during sampling	m3/minutes	1.17	1.12	1.19	1.16
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	32.6	30.9	31.5	31.7
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	48.6	50.3	51.4	50.1
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.2	10.6	12.4	12.1
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	22.1	18.9	20.4	20.5

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :6051/05/2021-22

Date: 31/05/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MAY 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	27/05/2022	27/05/2022	27/05/2022	27/05/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	-----	SE	SE	SE	SE
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	4 to 13
05.	Average flow rate during sampling	m3/minutes	1.12	1.16	1.21	1.16
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	34.1	32.8	33.6	33.5
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	52.4	49.6	50.7	50.9
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.0	11.5	12.9	12.5
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	19.5	21.6	22.3	21.1

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on : 27/12/2021

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Ph.: +91 281 2360695 ▪ E-mail : royalenvironment@live.com ▪ admin@royalconsultancy.com

Reference No. : 2021/05/2022-23

Date : 31/05/2022

Personnel Dust Monitoring of HEMM Operators

1. Name of Unit: Chorbedi Limestone Mine of **Shree Digvijay Cement Company Limited**
   Village: Chorbedi, Taluka Lalpur, Dist: Jamnagar
2. Type of Unit: **Limestone Mining**
3. Activity: **HEMM Operation**
4. Type of Sample: **Personnel Dust Monitoring of HEMM Operators**
5. Sample Collected by: **Mr. Ashish Patat**
6. Date of Monitoring: 27th May, 2022

Sr. No.	Date	Location / Operation Mentioned (Operator 's Cabin of)	Name of Operator	Identified Contaminant	Sampling Instrument used	Airborne Contamination		Reference Method	Remarks
						No. of Samples	Average mg/m³		
1	27/05/2022	Dozer-Ripper	Sadik Husain	Total Dust	Vaibhav Personnel Dust Sampler VPDS 203	01	1.33	Gravimetric	Closed Cabin for Operators
				Silica Dust			0.002		
2	27/05/2022	Excavator	Govind H Vasra	Total Dust		01	1.27		
				Silica Dust			0.006		
3	27/05/2022	Truck	Savdas Bhai	Total Dust		01	1.24		
				Silica Dust			0.006		
4	27/05/2022	Weigh Bridge	Mandip Joshi	Total Dust		01	1.29		
				Silica Dust			0.004		

Instrument Calibration Done On.: 13/03/2021

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Ref. No. : 2021/05/2022-23

Date: 31/05/2022

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(2)(e).

1 Name of the Department/Plant.: **Chorbedi Limestone Mine of Shree Digvijay Cement Company Limited, Village: Chorbedi, Taluka Lalpur, Dist: Jamnagar**

2 Raw materials, by-products and finished products involved in the process.: **Raw Materials**: Lime stone

Date of Sampling: 27th May 2022

Sr. No.	Location/ Operation mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination			TWA Concentration (As given in Second Schedule) in mg/m³	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of Samples	Range (mg/m³)	Average (mg/m³)						
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Nr. Weigh Bridge	Total Dust	Personal Dust Sampler VPDS 203	2	1.3-2.0	**1.65**	5.0	Gravimetric	5	–	Ashish	Mr. Ashish Patat

Calibration Done on.: 04/03/2021

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Ref. No. :491/04/2022-23

Date: 30/04/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : APRIL 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	---	05/04/2022	05/04/2022	06/04/2022	**06/04/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	SW	SW	SW	**SW**
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	**4 to 13**
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	**1.17**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	28.6	31.2	26.5	**28.8**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	50.7	51.9	55.6	**52.7**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.2	15.5	12.4	**13.7**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	18.3	22.5	21.0	**20.6**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Date: 30/04/2022

Ref. No. :490/04/2022-23

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : APRIL 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	05/04/2022	05/04/2022	06/04/2022	06/04/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	-----	SW	SW	SW	SW
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	4 to 13
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	28.1	30.6	26.2	28.3
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	51.6	54.2	57.0	54.3
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	15.2	13.6	14.1	14.3
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	19.5	21.5	24.9	22.0

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :5051/03/2021-22

Date: 30/04/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : APRIL 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	---	21/04/2022	21/04/2022	21/04/2022	**21/04/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	SW	SW	SW	**SW**
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	**4 to 13**
05.	Average flow rate during sampling	m3/minutes	1.19	1.20	1.14	**1.18**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	35.2	28.6	31.6	**31.8**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	50.6	52.8	51.4	**51.6**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	11.5	12.4	14.6	**12.8**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	18.4	22.4	19.3	**20.0**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :5050/04/2022-23

Date: 30/04/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : APRIL 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	21/04/2022	21/04/2022	21/04/2022	21/04/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	SW	SW	SW	**SW**
04.	Average Wind Speed	Km./Hrs.	4 to 13	4 to 13	4 to 13	**4 to 13**
05.	Average flow rate during sampling	m3/minutes	1.11	1.16	1.20	**1.16**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	30.9	28.5	29.2	**29.5**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	43.6	51.8	47.2	**47.5**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	12.5	11.3	13.5	**12.4**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	23.6	17.6	19.5	**20.2**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on : 27/12/2021

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Ref. No. :390/03/2021-22

Date: 31/03/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone
CHORBEDI MINES :MARCH 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	08/03/2022	08/03/2022	09/03/2022	09/03/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	-----	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 15	3 to 15	3 to 15	3 to 15
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	26.5	31.9	31.5	30.0
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	54.3	57.6	60.8	57.6
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.8	12.4	11.9	12.7
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	17.5	14.8	22.5	18.3

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :391/03/2021-22

Date: 31/03/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MARCH 2022 (1st time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	08/03/2022	08/03/2022	09/03/2022	**09/03/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	NE	NE	NE	**NE**
04.	Average Wind Speed	Km./Hrs.	3 to 15	3 to 15	3 to 15	**3 to 15**
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	**1.13**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	30.8	31.5	29.7	**30.7**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	54.6	52.8	57.7	**55.0**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	11.5	12.7	9.4	**11.2**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	16.2	20.7	21.7	**19.5**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :4050/03/2021-22

Date: 31/03/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MARCH 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	30/03/2022	30/03/2022	30/03/2022	30/03/2022
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	NE	NE	NE	**NE**
04.	Average Wind Speed	Km./Hrs.	1 to 16	1 to 16	1 to 16	**1 to 16**
05.	Average flow rate during sampling	m3/minutes	1.16	1.14	1.22	**1.17**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**$\mu g/m^3$**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	$\mu g/m^3$	33.6	31.5	32.9	**32.7**
09.	**Permissible Limits of PM 10**	**$\mu g/m^3$**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	$\mu g/m^3$	45.2	54.9	44.0	**48.0**
11.	**Permissible Limits of SO_2**	**$\mu g/m^3$**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	$\mu g/m^3$	14.2	13.2	12.9	**13.4**
13.	**Permissible Limits of NO_2**	**$\mu g/m^3$**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	$\mu g/m^3$	21.5	19.4	17.3	**19.4**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ref. No. :3051/03/2021-22

Date: 31/03/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone

CHORBEDI MINES : MARCH 2022 (2nd time)

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1st 8:00 Hrs.	2nd 8:00 Hrs.	3rd 8:00 Hrs.	
01.	Date of sampling	----	30/03/2022	30/03/2022	30/03/2022	**30/03/2022**
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	**24.00**
03.	Dominant Wind Direction (From)	-----	NE	NE	NE	**NE**
04.	Average Wind Speed	Km./Hrs.	1 to 16	1 to 16	1 to 16	**1 to 16**
05.	Average flow rate during sampling	m3/minutes	1.15	1.18	1.21	**1.18**
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	**2.0**
07.	**Permissible Limits of PM 2.5**	**µg/m³**	**60**	**60**	**60**	**60**
08.	Measured Concentration of PM 2.5	µg/m³	32.2	34.5	30.9	**32.5**
09.	**Permissible Limits of PM 10**	**µg/m³**	**100**	**100**	**100**	**100**
10.	Measured Concentration of PM 10	µg/m³	53.2	57.6	55.4	**55.4**
11.	**Permissible Limits of SO_2**	**µg/m³**	**80**	**80**	**80**	**80**
12.	Measured Concentration of SO_2	µg/m³	13.4	9.8	11.4	**11.5**
13.	**Permissible Limits of NO_2**	**µg/m³**	**80**	**80**	**80**	**80**
14.	Measured Concentration of NO_2	µg/m³	17.8	21.5	20.6	**20.0**

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127
Calibrate Done on : 27/12/2021

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Ashish

Analyst

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Ref. No. : 1021/04/2022-23

Date: 30/04/2022

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(2)(e).

1 Name of the Department/Plant.: **Chorbedi Limestone Mine of Shree Digvijay Cement Company Limited. Village: Chorbedi, Taluka Lalpur, Dist: Jamnagar**

2 Raw materials, by-products and finished products involved in the process.: **Raw Materials:** Lime stone

Date of Sampling: 21st April 2022

Sr. No.	Location/ Operation mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination			TWA Concentration (As given in Second Schedule) in mg/m^3	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of Samples	Range (mg/m^3)	Average (mg/m^3)						
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Nr. Weigh Bridge	Total Dust	Personal Dust Sampler VPDS 203	2	1.1-1.8	**1.45**	5.0	Gravimetric	4	–	Ashish	Mr. Ashish Patat

Calibration Done on.: 04/03/2021

Royal Environment Auditing & Consultancy Service

Authorized Sign

Royal Environment Auditing & Consultancy Service RAJKOT

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Annexure-C

Royal
Environment Auditing & Consultancy Service
Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ▪ E-mail : royalenvironment@live.com ▪ admin@royalconsultancy.com

Ref. No. : 697/06/2022-23

Date: 30/06/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 24/06/2022

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
Time of sampling		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	58.2	45.7
02.	Chorbedi Mines Adm. Building	54.3	40.8
03.	Pachhtar and Pachhtardi Mines Adm. Building	52.6	43.5

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq. Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Refernce : Limits As Per The Noise Pollution Regulation and Control Rules, 2000 Schedule See Rule 3(1)and 4(1).

Instruments used : Sound level meter, model : IL-006719. (SIGMA)

Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service RAJKOT

Royal Environment Auditing & Consultancy Service

Ashish
Analyst

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Royal
Environment Auditing & Consultancy Service
Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ▪ E-mail : royalenvironment@live.com ▪ admin@royalconsultancy.com

Ref. No. : 698/06/2022-23

Date: 30/06/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sampling Date : 24/06/2022

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBa		
	CHORBEDI MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
01.	Dozer D8 - N (CAT)	82.6	70.8	63.9
02.	Hyundai - 140 (LC - 9)	78.5	70.1	66.3
	Pachhtar and Pachhtardi Mines	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
03.	Dozer BD 355 Dozer(New)	84.1	73.9	61.4
04.	Hyundai - 140 Excavator	77.3	65.2	61.6
05.	Tata - 200 Excavator	76.9	70.6	65.8
	GOP MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
06.	Dozer D8 - N (CAT)	83.4	71.3	66.2
07.	Hyundai - 140 (LC - 9)	74.9	69.4	64.5

Instruments used : Sound level meter, model : IL-006719. (SIGMA)
Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service

Royal Environment Auditing & Consultancy Service RAJKOT

Ashish
Analyst

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Royal
Environment Auditing & Consultancy Service
303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.
Ph.: +91 281 2360695 ▪ E-mail : royalenvironment@live.com ▪ admin@royalconsultancy.com

Ref. No. : 597/05/2022-23

Date: 31/05/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 26/05/2022

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
Time of sampling		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	55.9	46.8
02.	Chorbedi Mines Adm. Building	52.1	38.6
03.	Pachhtar and Pachhtardi Mines Adm. Building	53.4	40.5

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq. Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Refernce : Limits As Per The Noise Pollution Regulation and Control Rules, 2000 Schedule See Rule 3(1)and 4(1).

Instruments used : Sound level meter, model : IL-006719. (SIGMA)

Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service RAJKOT

Royal Environment Auditing & Consultancy Service

Analyst

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Royal
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Ref. No. : 598/05/2022-23

Date: 31/05/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sampling Date : 26/05/2022

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBa		
	CHORBEDI MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
01.	Dozer D8 - N (CAT)	74.8	69.5	64.2
02.	Hyundai - 140 (LC - 9)	76.9	72.3	65.1
	Pachhtar and Pachhtardi Mines	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
03.	Dozer BD 355 Dozer(New)	77.3	68.4	61
04.	Hyundai - 140 Excavator	76.8	67.2	62.4
05.	Tata - 200 Excavator	78.2	73.1	66.5
	GOP MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
06.	Dozer D8 - N (CAT)	77.9	72.6	65.7
07.	Hyundai - 140 (LC - 9)	76.3	71.4	63.9

Instruments used : Sound level meter, model : IL-006719. (SIGMA)
Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service RAJKOT

Royal Environment Auditing & Consultancy Service

Ashish

Analyst

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Royal
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Ref. No. : 497/04/2022-23

Date: 30/04/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 05/04/2022

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
Time of sampling		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	54.2	43.6
02.	Chorbedi Mines Adm. Building	47.5	35.3
03.	Pachhtar and Pachhtardi Mines Adm. Building	52.9	42.8

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq. Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Refernce : Limits As Per The Noise Pollution Regulation and Control Rules, 2000 Schedule See Rule 3(1)and 4(1).

Instruments used : Sound level meter, model : IL-006719. (SIGMA)

Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service

Ashish

Analyst

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Royal
Environment Auditing & Consultancy Service
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Ref. No. : 498/04/2022-23

Date: 30/04/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited
Digvijaygram - 361 140.
District : Jamnagar.

Sampling Date : 05/04/2022

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBa		
	CHORBEDI MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
01.	Dozer D8 - N (CAT)	75.2	70.5	62.3
02.	Hyundai - 140 (LC - 9)	77.9	74.6	63.4
	Pachhtar and Pachhtardi Mines	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
03.	Dozer BD 355 Dozer(New)	76.3	70.4	64.3
04.	Hyundai - 140 Excavator	77.2	69.5	64
05.	Tata - 200 Excavator	79.8	74.2	67.1
	GOP MINES	**Inside Cabin**	**15 Mtr. Away from m/c.**	**50 Mtr. Away from m/c.**
06.	Dozer D8 - N (CAT)	79.4	74.5	68.2
07.	Hyundai - 140 (LC - 9)	78.2	73.1	65.6

Instruments used : Sound level meter, model : IL-006719. (SIGMA)
Calibration done on : 30/09/2021

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Analyst

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KAMAL CEMENT
SINCE 1944

Annexure D

CHORBEDI (COMPOSITE) LIMESTONE MINES

YEARLY EXPENDITURE STATEMENT

FOR ENVIRONMENT MANAGEMENT

For the Period of 2022-23 (April to September)

S. No.	WORK	Grand Total
1	Ambient Air & Noise Monitoring	19440
2	Water Sprinkling on haul roads	80500
3	Digging, Purchasing of Sapling, Purchase of Soil, Security and Maintenance	2026880
	Total	**21,26,820**

Signature

Malay Kumar Rout

Manager - Mines