



By Email

Pac/MoEF/HYC/A/302/2556

Date: 27.11.2021

The Director (S)
Ministry of Environment & Forests and Climate Change,
Regional Office, Western Region,
Government of India,
Kendriya Paryavaran Bhavan,
Link Road No.3., E-5 Ravi Shankar Nagar,
Bhopal 462 016 (M.P.)

Subject: Submission of 6 monthly compliance report of the conditions as laid down Environmental Clearance vide letter No J/11015/49/2005-IA. II (M), dated 07.10.2005, corrigendum dated 06.02.2006 & 21.06.2010 in respect of **Pachhtar (Composite) Limestone Mines**, pertaining to Shree Digvijay Cement Co Ltd. for the period of **April 2021 to September 2021**.

Sir/Madam,

As required, we are submitting herewith Point wise compliance status to various stipulations, as laid-down in Environmental Clearance letter No. J-11015/49/2005-IA. II(M) dated 07.10.2005 and 06.02.2006 & 21.06.2010 with supporting documents, is being enclosed with the following Annexure:

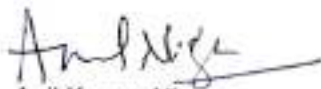
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|--|--------------|
| 1. Environment Statement in Form V | : Annexure A |
| 2. Ambient Air Quality Reports | : Annexure B |
| 3. Noise Level | : Annexure C |
| 4. Environment Yearly Expenses Statement | : Annexure D |

We hope that you will please find the above submission in order.

Thanking you,

Yours faithfully,

For SHREE DIGVIJAY CEMENT CO. LTD.



Anil Kumar Nigam

Sr. General Manager (Mines)

Enclosures -As Above

Copy To:

The Environmental Engineer, Gujarat Pollution Control Board Paryavaran Bhavan, Sector 10A, GANDHINAGAR 382 010.

**PACHHTAR COMPOSITE LIMESTONE MINE
STATUS OF COMPLIANCE**

Period: April-2021 to September-2021

Point wise compliance status to various stipulations as laid down in the Environmental Clearance letter No. J-11015/49/2005-IA. II (M) dated 21.06.2010:

S. No.	CONDITIONS	COMPLIANCE STATUS
A. Specific Condition		
(i)	The project proponent shall carry out mining operations using Surface Miners in accordance with the mining scheme as approved by the Indian Bureau of Mines on 25.01.2010.	Complied. Mining operation is being carried out as per EC and the Mining Plan approved by IBM. IBM has approved a fresh Mining Plan on 13.02.2018 for the period of 2018 - 19 to 2022 – 23.
(ii)	The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e. PM₁₀), NO_x in the ambient air within the impact one 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 site at a suitable location near the main gate of the Company. The Circular No. J-20012/1/2006 -IA. II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	Complied. The Critical Parameters such as RSPM PM₁₀, PM_{2.5}, SO₂, NO_x in the ambient air within limit prescribed by the SPCB, and MoEF & CC. Also monitored on monthly basis. Please note that we are <i>not</i> discharging water/effluents from the mines. The monitored data are being displayed at main gate of the Office as well as uploaded on the website of the company.
(iii)	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not Applicable The Mines is already under operation.

B. General Condition

S. No.	CONDITIONS	COMPLIANCE STATUS																																																																																																		
(i)	The project Proponent shall submit six monthly 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 Lucknow, 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.	Complied. Half Yearly reports are being submitted in Hard copies as well as via email to RO, MoEF, Bhopal. Last 7 years details of submission are as under: Last 7 Year Summary of HY Compliance Report submitted <table><tr><th colspan="6">Pachhtar Composite Limestone Mines</th></tr><tr><th rowspan="2">S.No</th><th rowspan="2">Year</th><th colspan="2">Period</th><th rowspan="2">Letter No</th><th rowspan="2">Date of Submission</th></tr><tr><th>From</th><th>To</th></tr><tr><td>1</td><td>2014-15</td><td>Apr-14</td><td>Sep-14</td><td>SDCCL/MINES/MOEF/2014</td><td>01.12.2014</td></tr><tr><td></td><td></td><td>Oct-14</td><td>Mar-15</td><td>SDCCL/MINES/MOEF/2015/480</td><td>01.06.2015</td></tr><tr><td>2</td><td>2015-16</td><td>Apr-15</td><td>Sep-15</td><td>SDCCL/MINES/MOEF/2015</td><td>01.12.2015</td></tr><tr><td></td><td></td><td>Oct-15</td><td>Mar-16</td><td>Pac/MoEF/HYC/A/302/763</td><td>01.06.2016</td></tr><tr><td>3</td><td>2016-17</td><td>Apr-16</td><td>Sep-16</td><td>Pac/MoEF/HYC/A/302/885</td><td>19.11.2016</td></tr><tr><td></td><td></td><td>Oct-16</td><td>Mar-17</td><td>Pac/MoEF/HYC/A/302/1046</td><td>31.05.2017</td></tr><tr><td>4</td><td>2017-18</td><td>Apr-17</td><td>Sep-17</td><td>Pac/MoEF/HYC/A/302/1239</td><td>22.11.2017</td></tr><tr><td></td><td></td><td>Oct-17</td><td>Mar-18</td><td>Pac/MoEF/HYC/A/302/1382</td><td>18.05.2018</td></tr><tr><td>5</td><td>2018-19</td><td>Apr-18</td><td>Sep-18</td><td>Pac/MoEF/HYC/A/302/1562</td><td>26.11.2018</td></tr><tr><td></td><td></td><td>Oct-18</td><td>Mar-19</td><td>Pac/MoEF/HYC/A/302/1328</td><td>23.05.2019</td></tr><tr><td>6</td><td>2019-20</td><td>Apr-19</td><td>Sep-19</td><td>Pac/MoEF/HYC/A/302/1889</td><td>30.11.2019</td></tr><tr><td></td><td></td><td>Oct-19</td><td>Mar-20</td><td>Pac/MoEF/HYC/A/302/2035</td><td>29.05.2020</td></tr><tr><td>7</td><td>2020-21</td><td>Apr-20</td><td>Sep-20</td><td>Pac/MoEF/HYC/A/302/2240</td><td>20.11.2020</td></tr><tr><td></td><td></td><td>Oct-20</td><td>Mar-21</td><td>Pac/MoEF/HYC/A/302/2240</td><td>28.05.2021</td></tr></table> The status of compliances is uploaded including results of monitored data the website of the company. It is simultaneously submitted to regional office of the Ministry of Environment and Forest, Bhopal and Zonal office of CPCB, and GPCB.	Pachhtar Composite Limestone Mines						S.No	Year	Period		Letter No	Date of Submission	From	To	1	2014-15	Apr-14	Sep-14	SDCCL/MINES/MOEF/2014	01.12.2014			Oct-14	Mar-15	SDCCL/MINES/MOEF/2015/480	01.06.2015	2	2015-16	Apr-15	Sep-15	SDCCL/MINES/MOEF/2015	01.12.2015			Oct-15	Mar-16	Pac/MoEF/HYC/A/302/763	01.06.2016	3	2016-17	Apr-16	Sep-16	Pac/MoEF/HYC/A/302/885	19.11.2016			Oct-16	Mar-17	Pac/MoEF/HYC/A/302/1046	31.05.2017	4	2017-18	Apr-17	Sep-17	Pac/MoEF/HYC/A/302/1239	22.11.2017			Oct-17	Mar-18	Pac/MoEF/HYC/A/302/1382	18.05.2018	5	2018-19	Apr-18	Sep-18	Pac/MoEF/HYC/A/302/1562	26.11.2018			Oct-18	Mar-19	Pac/MoEF/HYC/A/302/1328	23.05.2019	6	2019-20	Apr-19	Sep-19	Pac/MoEF/HYC/A/302/1889	30.11.2019			Oct-19	Mar-20	Pac/MoEF/HYC/A/302/2035	29.05.2020	7	2020-21	Apr-20	Sep-20	Pac/MoEF/HYC/A/302/2240	20.11.2020			Oct-20	Mar-21	Pac/MoEF/HYC/A/302/2240	28.05.2021
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(ii)	The environmental statement for each financial year ending 31st 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 be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.	Complied. Environmental statement for each financial year ending 31st March in Form V is being submitted to Gujarat Pollution Control Board. Environmental statement for the period of 2020-21 was submitted on 22.05.2021 as prescribed under the Environment (Protection) Rules, 1986. Copy of the same is put on the company's website along with the status of compliance of Environmental Clearance conditions. Copy is also sent to Regional Office of Ministry of Environment & Forest, Bhopal by e-mail.																																																																																																		

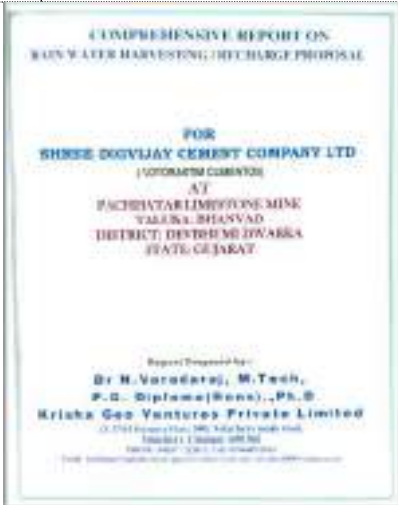
Point wise compliance status to various stipulations as laid down in the Environmental Clearance letter No. J-11015/49/2005-IA. II (M) dated 07.10.2005 and 06.02.2006:

Sl.	CONDITIONS	COMPLIANCE STATUS																								
A. Specific Conditions																										
(i)	Prior approval of the Chief Wildlife Warden, Government of Gujarat, shall be obtained before expansion of mining activities.	Noted. No expansion till date.																								
(ii)	The production capacity from this mine shall not exceed 1.0 MTPA with a capping of production of limestone to 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.	Complied. Production during April-21 to September-21 is 551827.644 from Pachhtar (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 07.10.2005 Chorbedi Mines: J-11015/47/2005-IA. II (M) dated 07.10 2005 Pachhtar Mines: J-11015/49/2005-IA. II (M) dated 07.10 2005 Mokhana Mines: J-11015/48/2005-IA. II (M) dated 07.10 2005. Production of all 05 Limestone Mines during April-21 to September-21 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>0.000</td><td rowspan="5">Within the EC Limit</td></tr><tr><td>Pachhtar</td><td>1.00</td><td>0.552</td></tr><tr><td>Chorbedi</td><td>0.90</td><td>0.168</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>0.270</td><td></td></tr></table> So, the individual and cumulative production is well within the limit prescribed in EC Letter. Mokhana Mines: Entire 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	Name of Mine	EC Capacity in Million Tons	Production in Million Tons	Remarks	Gop	0.25	0.000	Within the EC Limit	Pachhtar	1.00	0.552	Chorbedi	0.90	0.168	Mokhana	0.70	0.000	Bhogat	EC not granted	0.000	Total	2.85 (limited to 2.20)	0.270	
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Sl.	CONDITIONS	COMPLIANCE STATUS																																																																													
		dated 09.10.2006. There is no production from Bhogat Mines Since 21.10.2004 Past production details are Certified for mines as under: Gop Mines Chorbedi Mines Pachhtar Mines																																																																													
(iii)	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 de-silted 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 retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains.	Complied. Details of Catch Drains & Siltation Pond: There are mainly 4 nos. of Catch drains, details catch drains are as under: <table><tr><th>Catch Drain No.</th><th>Length in Meter</th><th>Width in Meter</th><th>Depth in Meter</th></tr><tr><td>1</td><td>354</td><td>12</td><td>1.5</td></tr><tr><td>2</td><td>324</td><td>12</td><td>1.20</td></tr><tr><td>3</td><td>151</td><td>9</td><td>0.5</td></tr><tr><td>4</td><td>18</td><td>11</td><td>0.5</td></tr></table> Siltation ponds: Bottom pits of mines act as siltation ponds; details as below: <table><tr><th rowspan="2">Siltation Pond</th><th>Length</th><th>Width</th><th>Depth</th><th rowspan="2">Area</th><th rowspan="2">Volume</th></tr><tr><th colspan="3">In meter</th></tr><tr><td>1</td><td>218</td><td>97</td><td>5</td><td>21146</td><td>105730</td></tr><tr><td>2</td><td>145</td><td>43</td><td>3</td><td>6235</td><td>18705</td></tr><tr><td>3</td><td>291</td><td>121</td><td>5</td><td>28050</td><td>140250</td></tr><tr><td>4</td><td>86</td><td>74</td><td>2</td><td>6364</td><td>12728</td></tr><tr><td>5</td><td>182</td><td>75</td><td>3</td><td>13650</td><td>40950</td></tr><tr><td>6</td><td>692</td><td>61</td><td>5</td><td>42212</td><td>211060</td></tr><tr><td>7</td><td>404</td><td>83</td><td>12</td><td>33532</td><td>402384</td></tr><tr><td colspan="5">Total</td><td>931807</td></tr></table> Construction of Garland Drains: For Waste Dump: Not applicable as there is no waste. For Mines: Instead of Garland drain, catch drains are developed. There is no overflow of water or discharge of any mine water from the pits. All the silts are settled in pits itself. Catchment area including pits – 1221568 M², Total quantity of water with an average rainfall of 63 CM, - 769587.84 KL.	Catch Drain No.	Length in Meter	Width in Meter	Depth in Meter	1	354	12	1.5	2	324	12	1.20	3	151	9	0.5	4	18	11	0.5	Siltation Pond	Length	Width	Depth	Area	Volume	In meter			1	218	97	5	21146	105730	2	145	43	3	6235	18705	3	291	121	5	28050	140250	4	86	74	2	6364	12728	5	182	75	3	13650	40950	6	692	61	5	42212	211060	7	404	83	12	33532	402384	Total					931807
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Sl.	CONDITIONS	COMPLIANCE STATUS
		The size of mined out pits is capable to receive and store 2812373.55 KL of water with average rainfall 63 Cm which is well above 50% safety margin to take care of sudden Peak rainfall. Sumps are large enough to provide adequate retention period for proper settling of silt material. This region of Gujarat is known as Semi-desert and scarcity of water is major concern. An arrangement has been made to collect surface runoff water during the monsoon into the pits. Rainwater accumulated in these pits helps to augment ground water. This water is also used for Plantation & dust suppression. Farmers in nearby mines area also use this water for irrigation purpose as per their requirement.
		
(iv)	Drills should be wet operated or with dust extractors.	Drill machines are not in operation.
(v)	Controlled blasting should be practiced only daytime. The mitigative measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.	Drilling & Blasting has been eliminated by the use of Ripper-Dozer and Excavator combination, an Eco-Friendly mining.  
(vi)	Plantation shall be done over the lease area including 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.	Plantation as per EC condition is under progress & required area will be afforested during life of mine. We are now planting saplings as per the proposals of approved mining plan per year and made proper arrangements of after care of plants. We have done year wise plantation in

Sl.	CONDITIONS	COMPLIANCE STATUS												
		mines area as per mining plan. A table with year wise are given below- <table><tr><th>Year</th><th>Nos of Saplings planted</th></tr><tr><td>Up to 2018-19</td><td>4778</td></tr><tr><td>2019-20</td><td>352</td></tr><tr><td>2020-21</td><td>1068</td></tr><tr><td>2021-22</td><td>1169</td></tr><tr><td>Total</td><td>7367</td></tr></table>	Year	Nos of Saplings planted	Up to 2018-19	4778	2019-20	352	2020-21	1068	2021-22	1169	Total	7367
Year	Nos of Saplings planted													
Up to 2018-19	4778													
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(vii)	A total of 83.16 ha of the mined-out area shall be converted into a water reservoir. The higher benches of the void shall be terraced, and plantation done to stabilize the slopes. Peripheral fencing shall be done along the excavated area.	Complied (Ongoing). Mined out area are being developed as basin for collecting surface runoff rainwater after complete removal of mineral. Peripheral fencing & Stone Parapet Wall also being created along the excavated area.												
(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.	Complied. Mine workings are above ground water level.												
(ix)	Rain water harvesting measures shall be taken up in consultation with the Regional Office, CGWB to recharge and augment groundwater in the area.	A systematic and scientific study of Rainwater harvesting, and Ground water recharge has been done by Hydrology & Groundwater expert Dr N. Varadaraj, M. Tech -, P.G. Diploma (Hons), Ph.D. The study report has been submitted to the CGWA – Ahmedabad. Rainwater harvesting & Ground water recharge measures is being done, as per the recommendations.												

Sl.	CONDITIONS	COMPLIANCE STATUS
	  	
		We have also requested guidance and expertise from Regional Director, C.G.W.B. Ahmedabad in this regard. Copy attached.
s(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.	Noted. Final Mine closure plan will be submitted before 5 years of intended closure to MoEF.
(xi)	Consent to operate shall be obtained from the SPCB before expanding mining operations.	Noted. Consent to operate Mine has been obtained from GPCB, Gandhinagar vide Consent Order No. No.AWH-71393 of dated 29.06.2015 which is valid up to 24.05.2020 and further it is renewed vide order no AWH 108461 , and valid up to 08/06/2025 .
		

Sl.	CONDITIONS	COMPLIANCE STATUS								
B	General conditions									
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Complied. We are carrying out mining operations in accordance with EC & Mining Plan approved by IBM for the period of 2018 -19 to 2022 -23.								
(ii)	No change in the calendar plan including excavation, quantum of limestone and waste should be made.	We are carrying out mining operations in accordance with EC & Mining Plan approved by IBM for the period of 2018 -19 to 2022 -23. The production done in 2021-22 is given below and the production is within the EC limit. <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></tr><tr><td>2021-22</td><td>Limestone</td><td>760700.00</td><td>551827.644</td></tr></table>	Year	Mineral	Proposed Production as per approved Mining Plan in MT	Actual Production in MT	2021-22	Limestone	760700.00	551827.644
Year	Mineral	Proposed Production as per approved Mining Plan in MT	Actual Production in MT							
2021-22	Limestone	760700.00	551827.644							
(iii)	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.	Data of ambient air quality (RPM & SPM) are regularly submitted Half yearly on or before 1 st June and 1 st December every year to MOEF Regional Office (WR), Bhopal and GPCB, Gandhinagar. Data of Ambient Air Quality Survey conducted during the half year April-21 to Sept-21 is enclosed. Annexure B								
(iv)	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.	Fugitive dust emissions from all the sources are controlled regularly. Water spraying arrangement on haul roads and mining area is being practiced and properly maintained.								
	EFFECTIVE DUST SUPPRESSION AT MINES 									

Sl.	CONDITIONS	COMPLIANCE STATUS
(v)	Adequate measures should be taken for control of noise levels in the work environment.	An adequate measure is being taken for control of noise levels in the work environment. Regularly monitoring the noise level. Dozer-Ripper is provided with AC cabin for operator which protects the operator from heat, noise & dust. Machineries are maintained in good service condition. Data of monitoring the noise level measured and recorded during the half year period April-21 to Sept-21 is enclosed as Annexure C
(vi)	Industrial wastewater, if any, should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time.	Maintenance of vehicles is being done in Tata Cargo, situated in Rajkot – Jamnagar Highway, Hapa, Jamnagar, Gujarat. All maintenance & treatment facilities like ETP are available as per the norms. A Photograph is attached for your kind reference. Hence this condition may be treated as complied. 
(vii)	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.	Occupational health surveillance program of the workers is being taken periodically to observe any contractions due to exposure to dust. Initial (IME) and Periodical Medical Examination (PME) of all the work persons 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. So far not a single case is detected for dust borne disease.

Sl.	CONDITIONS	COMPLIANCE STATUS																																																															
	<table><tr><th colspan="7">Pachhtar Composite Limestone Mines</th></tr><tr><th colspan="7">Summary of No. of Person Examined</th></tr><tr><th>S.N o.</th><th>Year</th><th>No of Person required to be medically Examined</th><th>No of Person medically examined</th><th>No of Person declared medically unfit</th><th>Submission of Return in Form T to DGMS vide letter No</th><th>Date of submission of Return</th></tr><tr><td>1</td><td>2015</td><td>12</td><td>10</td><td>0</td><td>Pac/DGMS/Form T/A/107/665</td><td>05.01.2016</td></tr><tr><td>2</td><td>2016</td><td>3</td><td>3</td><td>0</td><td>Pac/DGMS/Form T/A/107/939</td><td>01.02.2017</td></tr><tr><td>3</td><td>2017</td><td>4</td><td>4</td><td>0</td><td>Pac/DGMS/Form T/A/107/1290</td><td>19.01.2018</td></tr><tr><td>4</td><td>2018</td><td>16</td><td>16</td><td>0</td><td>Pac/DGMS/Form T/A/107/1611</td><td>18.01.2019</td></tr><tr><td>5</td><td>2019</td><td>8</td><td>8</td><td>0</td><td>Pac(Comp)/DGMS/AR/Form T/A/107/1934</td><td>05.01.2020</td></tr><tr><td>6</td><td>2020</td><td>7</td><td>7</td><td>0</td><td>Pac(Comp)/DGMS/AR/Form T/A/107/2289</td><td>18.01.2021</td></tr></table>	Pachhtar Composite Limestone Mines							Summary of No. of Person Examined							S.N o.	Year	No of Person required to be medically Examined	No of Person medically examined	No of Person declared medically unfit	Submission of Return in Form T to DGMS vide letter No	Date of submission of Return	1	2015	12	10	0	Pac/DGMS/Form T/A/107/665	05.01.2016	2	2016	3	3	0	Pac/DGMS/Form T/A/107/939	01.02.2017	3	2017	4	4	0	Pac/DGMS/Form T/A/107/1290	19.01.2018	4	2018	16	16	0	Pac/DGMS/Form T/A/107/1611	18.01.2019	5	2019	8	8	0	Pac(Comp)/DGMS/AR/Form T/A/107/1934	05.01.2020	6	2020	7	7	0	Pac(Comp)/DGMS/AR/Form T/A/107/2289	18.01.2021	
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(viii)	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).	The funds earmarked for environmental protection measures is kept in separate account and not diverted for other purpose. Expenditure for environmental protection measures is given below: Last 7 years Recurring yearly data is as under: <table><tr><th>S. No</th><th>Year</th><th>Annual Expenditure</th></tr><tr><td>1</td><td>2015-16</td><td>750680</td></tr><tr><td>2</td><td>2016-17</td><td>356756</td></tr><tr><td>3</td><td>2017-18</td><td>406410</td></tr><tr><td>4</td><td>2018-19</td><td>495120</td></tr><tr><td>5</td><td>2019-20</td><td>578149</td></tr><tr><td>6</td><td>2020-21</td><td>687255</td></tr><tr><td>7</td><td>2021-22 (Till Sept'21)</td><td>237539</td></tr></table> Expenditure for environmental protection measures is being enclosed as Annexure D	S. No	Year	Annual Expenditure	1	2015-16	750680	2	2016-17	356756	3	2017-18	406410	4	2018-19	495120	5	2019-20	578149	6	2020-21	687255	7	2021-22 (Till Sept'21)	237539																																							
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(ix)	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.	We are submitting six monthly compliance report along with annexures to the MoEF Regional Office Bhopal and GPCB. Full co-operation is being extended to the authorities / officials by providing data / information/monitoring report etc.																																																															

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(x)	A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom and suggestion/representation has been received while processing the proposal.	Copy of clearance letter was handed over to all concerned Panchayat.																																																																																																								
(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.	SPCB displayed the copy of EC as per procedure.																																																																																																								
(xii)	The project authorities should advertise at least in 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 http://envfor.nic.in .	We have advertised in two local newspapers dated 10.12.2005 in respect of Environmental Clearance having been accorded to our Limestone Mines, by the MOEF New Delhi. The publication has appeared in the – (1) Times of India - Ahmedabad Edition (2) Phoolchhab - Rajkot edition. Copy Attached as Annexure 15 .																																																																																																								

Sl.	CONDITIONS	COMPLIANCE STATUS
	 SHREE DIGVIJAY CEMENT CO. LTD. P.O. Digvijaygram, Via Jamnagar, 381 140(Gujarat) Ph.: (0288) 2344272 to 275, Fax (0288) 2344092 e-mail: shcedclsk@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-11015/46/2005-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. Pachthar (Composite) Limestone Mine, Village Pachthar, Taluka Bharvad, District Jamnagar, Gujarat. 2. Gop (Composite) Limestone Mine, Village Gop/Jeenawari, Taluka Jamjodhpur, District Jamnagar, Gujarat. 3. Mokhana Limestone Mines, Village Mokhana, Taluka Bharvad, District Jamnagar, Gujarat. 4. Chorbedi (Composite) Limestone Mine, Village Chorbedi, Taluka Lajpur/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	 SHREE DIGVIJAY CEMENT CO. LTD. P.O. Digvijaygram, Via Jamnagar, 381 140(Gujarat) Ph.: (0288) 2344272 to 275, Fax (0288) 2344092 e-mail: shcedclsk@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-11015/46/2005-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. Pachthar (Composite) Limestone Mine, Village Pachthar, Taluka Bharvad, District Jamnagar, Gujarat. 2. Gop (Composite) Limestone Mine, Village Gop/Jeenawari, Taluka Jamjodhpur, District Jamnagar, Gujarat. 3. Mokhana Limestone Mines, Village Mokhana, Taluka Bharvad, District Jamnagar, Gujarat. 4. Chorbedi (Composite) Limestone Mine, Village Chorbedi, Taluka Lajpur/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

FORM V**Environment Audit Report for the financial year ending the 31st March 2021****PART – A**

1. Name & Address of the Owner/
Occupier of the Industry
Operation or process : **Shree Digvijay Cement Co. Ltd.
Pachhtar (Composite) Limestone Mine
Survey No.225/P, Village- Pachhtar,
Taluka-Bhanvad, Distt. - Jamanagar
(Gujarat)**
2. Industry Category :
Primary: (STC Code) **Mining Industry**
Secondary: (SIC Code)
3. Production Capacity : **10 Lakh tones/Annum**
4. Year of Establishment : **07.11.1983**
5. Date of the last Environmental
Statement submitted : **11.05.2020**

PART – B**Water & Raw Material Consumption****(i) * Water consumption M³ / day**

Process	:	0
Cooling	:	0
Domestic (Drinking)	:	1.00 KL
Dust Suppression	:	5.08 KL
Plantation	:	0.44 KL

(*)PS Yearly consumption spread equally over 365 days of a year

Name of products	Process water consumption per unit of product	
	During previous Financial Year 2014-15	During current Financial Year 2015-16
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 2019-20	During the current financial year 2020-21
1.	Explosives	Limestone	Nil	Nil
2	Ammonium nitrate		Nil	Nil
3	Detonating Fuse		Nil	Nil
4	Safety Fuse		Nil	Nil
5	Detonator		Nil	Nil
6	Cord Relays		Nil	Nil
7	HSD		230826 L	326050 L
8	Lubricant oil		7511 L	1192 L
9	Grease		840 Kg	555.5 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/Nm ³)	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 (SO ₂) in Microgram/M ³	Annual 24 hours	50 80
2	Nitrogen Dioxide(NO _x) in Microgram/M ³	Annual 24 hours	40 80
3	Particulate Matter (Size less than 10 Microgram/M ³ or PM 10 Microgram/M ³)	Annual 24 hours	60 100
4	Particulate Matter (Size less than 2.5 Microgram/M ³ or PM 2.5 Microgram/M ³)	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 (2019-20)	During the current Financial Year (2020-21)
(a)	From Process (Used Oil from Machines)	120 L	80 L
(b)	From pollution control facilities	-	-

PART - E

(Solid Wastes)

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

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 and lubrication system of drill 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 being used for reducing dust in mines.

Use of Surface Miner/ Ripper Dozer – Use of Eco-friendly Surface Miner /Ripper Dozer Machine has been started at Pachhtar Mines which is having following advantages:-

1. Dust generated during cutting of limestone is suppressed with use of water sprinkling system at the point of generation itself.
2. Limestone so cut becomes moist hence during loading of limestone into dumpers/trucks, the dust generation is minimized.
3. Machine is provided with AC Cabin which protects the operator from dust, noise & heat.
4. Mined out floor is perfectly level and under - footing condition is extremely good. The road conditions becomes very good which ultimately reduce the diesel consumption of dumpers / trucks plying on the road. Hence the generation of noxious fumes is also reduced.

Other measures -

5. By deployment of Surface Miner/Ripper-Dozer the use of drill machine becomes minimal to taken out left out portions at corners and bends.
6. Dust suppressed on haul road by water sprinkling.
7. Fumes and smoke emissions from HEMM controlled by regular maintenance and timely overhaul of engines.
8. Tarpaulin covering on the transporting vehicle before leaving the mine site.
9. 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&CC, New Delhi and Regional Office of MOEF&CC Bhopal.

PART - I

Any other particulars for improving the quality of the environment

Following are various measures taken by us: -

1. Plantation has been done in mines.
2. 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: 22.05.2021

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



Name: 
ANIL NIGAM
Designation: Sr. General Manager (Mines)
Address: Shree Digvijay Cement Co. Ltd.
P.O. Digvijaygram- 361140
(Via) Jamnagar, Gujarat

**Royal****Environment Auditing & Consultancy Service**

303-304, Shivoli-7, B/S. Bal Adarsh, Gondal Road, RAJKOT - 360 002

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

Annexure - B

Ref. No. : 393/04/2021-22

Date: 30/04/2021

**REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone
Pachhtar and Pachhtardi Mines : APRIL 2021 (1st time)**

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	08/04/2021	08/04/2021	09/04/2021	09/04/2021
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 12	1 to 12	1 to 12	1 to 12
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	35	38	23	32.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	55	50	42	49.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.5	13.5	12.2	12.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	22.2	19.3	21.9

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

Calibrate Done on : 17/05/2020

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Ref. No. : 394/04/2021-22

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	09/04/2021	09/04/2021	10/04/2021	10/04/2021
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 18	3 to 18	3 to 18	3 to 18
05.	Average flow rate during sampling	m3/minutes	1.20	1.20	1.20	1.20
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	40	38	34	37.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	70	77	58	68.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.5	13.8	12.2	13.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.5	22.3	24.0

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

Calibrate Done on : 17/06/2020

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Ref. No. :395/04/2021-22

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (1st time)

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

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	09/04/2021	09/04/2021	10/04/2021	10/04/2021
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.	6 to 15	6 to 15	6 to 15	6 to 15
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	48	42	35	41.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	77	88	65	76.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.3	15.5	13.2	14.3
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.4	20.3	23.3

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

Calibrate Done on : 17/06/2020

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Ref. No. :396/04/2020-21

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	09/04/2021	09/04/2021	10/04/2021	10/04/2021
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 14	3 to 14	3 to 14	3 to 14
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	36	38	32	35.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	74	87	65	75.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	16.2	11.5	13.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	26.7	22.5	24.8

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

Calibrate Done on : 17/06/2020

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Ref. No. :454/04/2021-22

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
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 13	3 to 13	3 to 13	3 to 13
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	36	30	33.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	54	56	50	53.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	16.1	17.3	11.5	15.0
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	23.3	19.5	22.4

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

Calibrate Done on : 17/06/2020

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Ref. No.: 455/04/2021-22

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (2nd Visit)

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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
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 13	3 to 13	3 to 13	3 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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	35	33	34.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	62	73	58	64.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.2	15.3	11.4	13.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.5	20.3	19.5	20.4

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

Calibrate Done on : 17/08/2020

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Ref. No. :456/04/2020-21

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140,

District : Jamnagar,

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
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 13	3 to 13	3 to 13	3 to 13
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	40	35	36	37.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	77	73	66	72.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.2	12.4	15.5	14.0
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	22.2	23.3	20.5	22.0

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

Calibrate Done on : 17/06/2020

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Ref. No. :457/04/2020-21

Date: 30/04/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : APRIL 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
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 13	3 to 13	3 to 13	3 to 13
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	44	40	42	42.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	64	72	58	64.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	14.2	12.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.3	23.3	24.3

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

Calibrate Done on : 17/06/2020

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Ref. No. :493/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone Pachhtar and Pachhtardi Mines : MAY 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	10/05/2021	10/05/2021	11/05/2021	11/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km/Hrs.	2 to 12	2 to 12	2 to 12	2 to 12
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	33	36	25	31.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	57	52	44	51.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.6	12.4	11.6	12.5
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	20.1	18.5	20.7

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

Calibrate Done on : 17/06/2020

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Ref. No. : 494/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 18	2 to 18	2 to 18	2 to 18
05.	Average flow rate during sampling	m3/minutes	1.10	1.10	1.10	1.10
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	38	42	38	38.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	72	75	60	69.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.1	12.7	13.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	25.4	23.8	24.2

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

Calibrate Done on : 17/06/2020

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Ref. No. :495/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	5 to 15	5 to 15	5 to 15	5 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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	46	40	38	41.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	75	66	63	74.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.1	16.4	12.3	14.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.1	23.5	21.1	22.9

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

Calibrate Done on : 17/06/2020

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Ref. No.: 496/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	4 to 14	4 to 14	4 to 14	4 to 14
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	36	35	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	72	85	63	73.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	15.1	13.8	13.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	27.5	21.4	24.1

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

Calibrate Done on : 17/09/2020

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Ref. No. :554/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone Pachhtar and Pachhtardi Mines : MAY 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
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.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	m ³ /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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32	34	36	34.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	52	54	58	54.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.1	18.2	12.5	15.3
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.4	21.1	18.4	21.0

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

Calibrate Done on : 17/06/2020

Royal Environment Auditing & Consultancy Service

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Ref. No. :555/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (2nd Visit)

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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32	38	35	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60	71	56	62.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	14.1	12.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	20.4	21.5	21.3	21.1

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

Calibrate Done on : 17/06/2020

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Ref. No. :556/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	38	33	34	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	75	71	68	71.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.5	14.3	14.8	13.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.3	20.5	21.6	21.1

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

Calibrate Done on : 17/06/2020

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Ref. No. :557/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : MAY 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	42	44	45	43.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60	70	55	61.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	13.1	15.3	13.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	25.8	21.1	23.5

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

Calibrate Done on : 17/06/2020

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Ref. No. 593/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	11/06/2021	11/06/2021	12/06/2021	12/06/2021
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.	3 to 12	3 to 12	3 to 12	3 to 12
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	35	34	29	32.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	59	54	46	53.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.8	13.4	12.5	12.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	21.1	19.4	21.9

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

Calibrate Done on : 17/06/2020

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Ref No : SP4/06/2021-22

Date : 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	14/06/2021	14/06/2021	15/06/2021	15/06/2021
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.	3 to 18	3 to 18	3 to 18	3 to 18
05	Average flow rate during sampling	m3/minutes	1.20	1.20	1.20	1.20
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	40	38	38.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	70	73	62	68.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.8	13.6	12.1	12.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	20.6	21.1	22.7	21.5

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

Calibrate Done on : 17/06/2020

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Ref. No. : 595/06/2021-22

Date : 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	----	14/06/2021	14/06/2021	15/06/2021	15/06/2021
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 15	4 to 15	4 to 15	4 to 15
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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	48	42	36	42.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	73	84	61	72.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.2	14.6	13.5	14.1
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.2	21.5	23.8	22.8

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseous Sampling Kit: AAS-100 & PM 2.5 Sampler AAS 127

Calibrate Done on : 17/06/2020

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Ref No: 596/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	---	14/06/2021	14/06/2021	15/06/2021	15/06/2021
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 14	5 to 14	5 to 14	5 to 14
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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	38	33	35.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	68	81	60	69.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.5	14.2	12.7	12.8
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.7	25.7	18.5	22.3

Instrument used: 1) Ecotech RD5, Model No. AAS - 217BL. Gaseous Sampling Kit: AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on: 17/06/2020

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Ref. No. :654/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
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.	1 to 13	1 to 13	1 to 13	1 to 13
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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	38	30	34.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	58	50	54	54.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	11.5	12.6	13.8	12.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	20.6	14.8	19.9

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

Calibrate Done on : 17/06/2020

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Ref. No : 655/06/2021-22

Date : 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

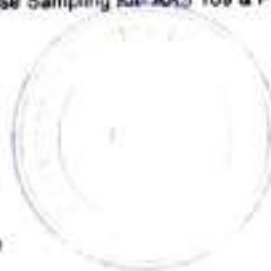
District : Jamnagar

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
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.	3 to 13	3 to 13	3 to 13	3 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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	30	36	38	34.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	68	54	60.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.6	15.2	11.4	13.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.3	22.6	23.1	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 : 17/06/2020

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Ref No: 656/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
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.	3 to 13	3 to 13	3 to 13	3 to 13
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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	31	38	35.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	73	69	64	68.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	15.5	13.4	15.7	14.9
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.1	21.6	22.5	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: 17/06/2020

Royal Environment Auditing & Consultancy Service

Jagdish
Analyst



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Ref No: 657/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone Pachhtar and Pachhtardi Mines : JUNE 2021 (2nd Visit)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	---	24/06/2021	24/06/2021	25/06/2021	25/06/2021
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.	3 to 13	3 to 13	3 to 13	3 to 13
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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	40	42	47	43.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	62	68	59	63.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.5	12.3	13.6	12.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.6	28.5	20.6	23.6

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

Calibrate Done on: 17/06/2020

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Annexure - C

Ref. No. : 397/04/2021-22

Date: 30/04/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/04/2021

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	51.2	40.8
02.	Chorbedi Mines Adm. Building	47.2	35.1
03.	Pachhtar and Pachhtardi Mines Adm. Building	48.3	34.3

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

Reference : 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 : SL- 4001. (Lutron Make)

Range : (A)- 30 to 80 dB, (B) - 50 to 100 dB, (C) - 60 to 130 dB.

Calibration done on : 12/09/2020



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Ref. No.: 398/04/2021-22

Date: 30/04/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140,

District : Jamnagar.

Sampling Date : 10/04/2021

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)	82.8	80.5	72.5
02.	Hyundai - 140 Excavator	86.1	83.3	70.5
03.	Tata - 200 Excavator	82.9	81.2	70.5
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04.	Dozer D - 8R	84.3	80.8	72.5
05.	Hyundai - 140 (LC - 9)	83.2	81.3	70.2
06.	Tata - 200 Bracker	85.1	80.3	71.3
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07.	Temporary Discontinued - Not Running during visit	---	---	---

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration is Done On : 12/09/2020

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Ref. No. : 497/05/2021-22

Date: 31/05/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 11/05/2021

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	52.5	41.7
02.	Chorbedi Mines Adm. Building	46.3	34.2
03.	Pachhtar and Pachhtardi Mines Adm. Building	49.4	33.5

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

Reference : 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 : SL- 4001. (Lutron Make)

Calibration done on : 12/09/2020

Range : (A) - 30 to 80 dB, (B) - 50 to 100 dB, (C) - 80 to 130 dB.

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Ref. No. : 498/05/2021-22

Date: 31/05/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 11/05/2021

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 - R (CAT)	83.7	81.4	73.6
02.	Hyundai - 140 Excavator	85.2	82.1	71.4
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	83.4	81.1	71.5
04.	Hyundai - 140 (LC - 9)	85.3	80.1	72.3
05.	Tata - 200 Excavator	84.3	82.3	70.5
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Temporary Discontinued - Not Running during visit	---	---	---

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration is Done On : 12/09/2020

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Ref. No. 597/06/2021-22

Date: 30/06/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/06/2021

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	51.4	42.6
02.	Chorbedi Mines Adm. Building	47.2	35.3
03.	Pachhtar and Pachhtardi Mines Adm. Building	48.5	34.6

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

Reference : 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 : SL- 4001 (Lutron Make)

Calibration done on : 12/09/2020

Range : (A) - 30 to 80 dB, (B) - 50 to 100 dB, (C) - 80 to 130 dB

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Ref. No. : 598/06/2021-22

Date: 30/06/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar

Sampling Date : 10/06/2021

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 - R (CAT)	82.6	80.4	72.5
02.	Hyundai - 140 Excavator	84.3	81.2	70.6
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	84.3	82.2	72.6
04.	Hyundai - 140 (LC - 9)	86.2	81	73.2
05.	Tata - 200 Excavator	85.2	83.2	71.6
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Temporary Discontinued - Not Running during visit	---	---	---

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration is Done On : 12/09/2020

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Annexure-D

PACHHTAR (COMPOSITE) LIMESTONE MINES
YEARLY EXPENDITURE STATEMENT
FOR ENVIRONMENT MANAGEMENT
From the period of 2021-22

S. NO.	WORK	Expenditure in Rs From April 21 to September 21
1	Ambient Air & Noise Monitoring	38880
2	Water Sprinkling on haul roads	79125
3	Purchasing of Sapling	4676
4	Purchasing of Soil	0
5	Plantation charge	28500
6	Recurring Expenses for Security and Maintenance of Plantation	86358
	Total	237539

