



By Email

CHO/MoEF/HYC/A/302/2954

Date-31.05.2022

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 **Oct. 21 to March. 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.**


Shyam Narayan Singh
Sr. 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.**

● 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

SHREE DIGVIJAY CEMENT CO. LTD.
CHORBEDI (COMPOSITE) LIMESTONE MINE

SIX MONTHLY COMPLIANCE STATUS
October-2021 to March-2022

S. NO.	CONDITIONS	COMPLIANCE STATUS																								
A.	Specific Conditions																									
(i)	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.	Production during October-2021 to March-2022 is 224045.973 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 October-2021 to March-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>0.160</td><td rowspan="5">Within the EC Limit</td></tr><tr><td>Pachhtar</td><td>1.00</td><td>0.165</td></tr><tr><td>Chorbedi</td><td>0.90</td><td>0.224</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>0.549</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.	Name of Mine	EC Capacity in Million Tons	Production in Million Tons	Remarks	Gop	0.25	0.160	Within the EC Limit	Pachhtar	1.00	0.165	Chorbedi	0.90	0.224	Mokhana	0.70	0.000	Bhogat	EC not granted	0.000	Total	2.85 (Limited to 2.20)	0.549	
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Total	2.85 (Limited to 2.20)	0.549																								
(ii)	No mining shall be undertaken in forest land for which forestry clearance has not been obtained.	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.																								
(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 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 retention period to allow proper setting	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.																								

S. NO.	CONDITIONS	COMPLIANCE STATUS												
	of silt material. Sedimentation pits should be constructed at the corners of the garland drains.	Sumps are large enough to provide adequate retention period for proper settling of silt material.												
														
(iv)	Drills should be wet operated or with dust extractors.	Drill machines are not in operation.												
(v)	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.	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 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.	Plantation program is under progress & required area to be afforested during life of mine. At present plantation area is 14.74 hectares at the end of March 2022 out of which 5.86 Hectares area covered under plantation in the year 2021-22. 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>Total</td><td>22239</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 11118 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.	Year	Nos of Saplings planted	Up to 2018-19	5880	2019-20	1100	2020-21	4141	2021-22	11118	Total	22239
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Up to 2018-19	5880													
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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				
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.	Noted. There is no change in mining technology and scope of working.				
(ii)	No change in the calendar plan including excavation, quantum of limestone and waste should be made.	No change is made in the calendar plans including excavations quantum of Limestone and waste.				
		Year	Mineral	Proposed Production as per approved Mining Plan in MT	Actual Production in MT	Remarks
		2021-22	Limestone	400000	391996.603	
(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.)	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 October-2021 to March-2022 is attached herewith for your kind reference as 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.	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. 				
(v)	Adequate measures should be taken for control of noise levels in the work environment.	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 October-2021 to March-2022 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	Repair and maintenance of vehicles is being done at Tata Corgo workshop, Rajkot. All maintenance & treatment facilities like ETP are available as per the norms. A photograph is attached for your kind reference.				

S. NO.	CONDITIONS	COMPLIANCE STATUS																														
	from time to time.																															
(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 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.																														
(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).	Noted. Year wise expenditures on environmental protection measures is given below: <table border="1"> <thead> <tr> <th>S.No.</th><th>Year</th><th>Recurring Yearly Expenditure (In Rs)</th></tr> </thead> <tbody> <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> </tbody> </table> Details on Expenditure for environmental protection measures for the FY 2021-22 is enclosed as Annexure D.	S.No.	Year	Recurring Yearly Expenditure (In Rs)	1	2013-14	₹ 303784	2	2014-15	₹ 340882	3	2015-16	₹ 356060	4	2016-17	₹ 311700	5	2017-18	₹ 437775	6	2018-19	₹ 472097	7	2019-20	₹ 417950	8	2020-21	₹ 620250	9	2021-22	₹ 762327
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8	2020-21	₹ 620250																														
9	2021-22	₹ 762327																														
(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.	Noted. Compliance report is being submitted regularly along with annexures to all concerned offices along with MoEF&CC, Regional Office.																														
(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 has been submitted to all concerned Panchayat/Offices.																														

S. NO.	CONDITIONS	COMPLIANCE STATUS
		
(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 http://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. 

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) : **Mining Industry**
Secondary: (SIC Code)
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 M³ / 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/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-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)	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.

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

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

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

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

Annexure - B

Ref. No. :791/10/2021-22

Date: 30/10/2021

**REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone
CHORBEDI MINES : OCTOBER 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 Place			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	05/10/2021	05/10/2021	06/10/2021	06/10/2021
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 14	2 to 14	2 to 14	2 to 14
05.	Average flow rate during sampling	m3/minutes	1.16	1.17	1.22	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	35.3	39.5	40.2	38.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	66.0	62.8	65.7	64.8
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.6	12.8	11.7	12.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.5	22.6	23.1	23.7

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

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik 7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph : +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 790/10/2021-22

Date: 30/10/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : OCTOBER 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	—	05/10/2021	05/10/2021	06/10/2021	06/10/2021
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 14	2 to 14	2 to 14	2 to 14
05.	Average flow rate during sampling	m3/minutes	1.12	1.20	1.19	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	80	80	80	80
08.	Measured Concentration of PM 2.5	µg/m ³	34.2	31.6	30.8	32.2
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	65.2	66.3	62.7	64.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.9	14.5	13.3	13.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.1	23.6	21.8	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

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, Bld. Bal Adalat, Gondal Road, RAJKOT - 360 002.

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

Ref. No. 851/10/2021-22

Date: 30/10/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : OCTOBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	---	23/10/2021	23/10/2021	24/10/2021	24/10/2021
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 16	4 to 16	4 to 16	4 to 16
05	Average flow rate during sampling	m3/minutes	1.16	1.17	1.22	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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	34.2	31.8	35.6	33.9
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	68.7	64.2	63.8	65.6
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	13.2	14.5	12.2	13.3
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.3	25.5	24.6	23.8

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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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002

Ph. : +91 261 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. 850/10/2021-22

Date: 30/10/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : OCTOBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	23/10/2021	23/10/2021	24/10/2021	24/10/2021
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 16	4 to 16	4 to 16	4 to 16
05.	Average flow rate during sampling	m3/minutes	1.12	1.18	1.21	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	33.6	31.5	32.8	32.6
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	76.5	71.2	73.4	73.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.8	13.3	15.4	13.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.5	21.6	24.8	24.0

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

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s Bal Adalat, Gondal Road, RAJKOT - 360 002

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

Ref. No. 890/11/2021-22

Date: 30/11/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : NOVEMBER 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	—	10/11/2021	10/11/2021	11/11/2021	11/11/2021
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 16	1 to 16	1 to 16	1 to 16
05.	Average flow rate during sampling	m3/minutes	1.19	1.15	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32.8	30.6	33.4	32.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	61.5	64.3	65.2	63.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.2	12.6	14.5	14.1
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	22.9	25.3	20.8	23.0

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

Royal Environment Auditing & Consultancy Service



Ashish
Analyst

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

303-304, Shweta 7, B/s. Bal Adalat, Gonda Road, RAJKOT - 360002

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

Ref. No. 891/11/2021-22

Date: 30/11/2021

**REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone
CHORBEDI MINES : NOVEMBER 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 Place			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	10/11/2021	10/11/2021	11/11/2021	11/11/2021
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 16	1 to 16	1 to 16	1 to 16
05.	Average flow rate during sampling	m3/minutes	1.14	1.22	1.13	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32.6	36.8	37.2	35.5
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	64.3	61.5	62.7	62.8
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	11.4	13.4	12.5
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	26.2	21.7	22.9	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

Royal Environment Auditing & Consultancy Service

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shevalli-7, B/s. Bal Adarsh, Gondal Road, RAJKOT - 360 002

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

Ref. No. 950/11/2021-22

Date: 30/11/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : NOVEMBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	23/11/2021	23/11/2021	24/11/2021	24/11/2021
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 18	2 to 18	2 to 18	2 to 18
05	Average flow rate during sampling	m ³ /minutes	1.16	1.12	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/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	30.7	32.4	31.9	31.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	52.1	55.8	50.9	52.9
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	10.6	14.5	13.8	13.0
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.6	19.8	23.1	21.8

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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Ashish

Analyst



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. 951/11/2021-22

Date: 30/11/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : NOVEMBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	----	23/11/2021	23/11/2021	24/11/2021	24/11/2021
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 18	2 to 18	2 to 18	2 to 18
05.	Average flow rate during sampling	m ³ /minutes	1.18	1.12	1.14	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	31.6	36.9	35.4	34.6
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	62.4	63.8	65.2	63.8
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.5	10.6	13.5	12.2
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	21.5	23.9	23.2

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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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B's. Bal Adalat, Gondal Road RAJKOT - 360 002

Ph: +91 261 2360606 = E-mail: royaleenvironment@live.com = admin@royalconsultancy.com

Ref. No. : 990/12/2021-22

Date: 27/12/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : DECEMBER 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	---	08/12/2021	08/12/2021	08/12/2021	08/12/2021
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.	3 to 13	3 to 13	3 to 13	3 to 13
05.	Average flow rate during sampling	m ³ /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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	37.2	35.0	28.3	33.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	64.6	57.1	60.2	64.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.4	15.7	11.9	13.3
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.2	21.3	16.4	21.3

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL Gasacure Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 177

Calibrate Done on : 17/05/2020

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivaji-7, B's Gal Adesh, Gondia Road, RAJNOKT - 360 002.

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

Ref. No.: 091/12/2021-22

Date: 27/12/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : DECEMBER 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 38° 140.

District - Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading Place			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	08/12/2021	08/12/2021	09/12/2021	08/12/2021
02.	Duration of Sampling	Hrs	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (Hrs)	---	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	m ³ /minutes	1.20	1.15	1.10	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	38.8	31.1	33.7	33.6
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60.1	66.6	57.3	61.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.7	13.8	10.7	12.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.2	26.4	18.3	22.0

Instrument used : 1) Ecolec RD5, Model No. AAS - 217BL, Gasphase Sampling Kit- AAS-100 & PM 2.5 Sampler AAS 177

Calibrate Done on : 17/03/2020

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shikhar 7, Bldg. Bal Adarsh, Gopal Road, RAJKOT - 360002

Ph : +91 281 2380685 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 1050/12/2021-22

Date : 27/12/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : DECEMBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	20/12/2021	20/12/2021	21/12/2021	21/12/2021
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.	3 to 10	3 to 10	3 to 10	3 to 10
05.	Average Flow rate during sampling	m ³ /minutes	1.20	1.15	1.10	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34.1	28.7	30.9	33.2
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	47.8	50.9	55.6	51.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.3	10.9	15.2	13.1
13.	Permissible Limits of NO _x	µg/m ³	80	80	80	80
14.	Measured Concentration of NO _x	µg/m ³	18.6	23.9	21.5	21.3

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

Calibrate Done on : 17/08/2020

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shikhar 7, Bldg. Bal Adarsh, Gopal Road, RAJKOT - 360002

Ph : +91 281 2380685 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 1050/12/2021-22

Date : 27/12/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : DECEMBER 2021 (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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	20/12/2021	20/12/2021	21/12/2021	21/12/2021
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.	3 to 10	3 to 10	3 to 10	3 to 10
05.	Average flow rate during sampling	m ³ /minutes	1.20	1.15	1.10	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34.1	28.7	30.9	33.2
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	47.8	50.9	55.6	51.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.3	10.9	15.2	13.1
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	18.6	23.9	21.5	21.3

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

Calibrate Done on : 17/08/2020

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

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

Ref. No. :190/01/2021-22

Date: 01/02/2022

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 381 140.

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	—	06/01/2022	06/01/2022	07/01/2022	07/01/2022
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 15	1 to 15	1 to 15	1 to 15
05.	Average flow rate during sampling	m ³ /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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32.6	38.3	35.8	35.6
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60.1	63.6	67.4	63.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.3	12.5	13.8	13.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	20.6	18.2	22.5	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 : 27/12/2021

Royal Environment Auditing & Consultancy Service

RAJKOT

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bel Adalat, Gondal Road, RAJKOT - 360 002.

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

Ref. No.: 191/01/2021-22

Date: 01/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : JANUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	06/01/2022	06/01/2022	07/01/2022	07/01/2022
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 15	1 to 15	1 to 15	1 to 15
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	36.2	35.8	36.1	36.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	55.7	61.2	63.4	60.4
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.4	11.8	13.6	12.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	10.1	10.5	11.8	10.4

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

Calibrate Done on : 27/12/2021

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

Ph: +91 281 2360695 ■ E-mail: royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 2050/01/2021-22

Date: 01/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : JANUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	29/01/2022	29/01/2022	29/01/2022	29/01/2022
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.	2 to 12	2 to 12	2 to 12	2 to 12
05.	Average flow rate during sampling	m ³ /minutes	1.10	1.20	1.18	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	36.5	32.1	33.9	32.2
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	51.2	47.3	52.4	50.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	11.0	12.5	13.2	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	19.4	18.1	19.4

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

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2380695 • E-mail: royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No.: 2051/01/2021-22

Date: 01/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : JANUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	29/01/2022	29/01/2022	29/01/2022	29/01/2022
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.	2 to 12	2 to 12	2 to 12	2 to 12
05.	Average flow rate during sampling	m ³ /minutes	1.20	1.10	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	30.4	36.1	34.3	33.6
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	50.0	63.4	59.1	57.6
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.1	11.9	13.4	12.5
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	17.6	20.2	21.5	19.8

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

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service

RAJKOT

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shree 7, B/S. Bal Adar, Gandal Road, RAJKOT - 360 002.

Ph: +91 281 230085 • Email: royalenvironment@live.com • admin@royalconsultancy.com

Ref. No. :290/02/2021-22

Date: 28/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES :FEBRUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	09/02/2022	09/02/2022	10/02/2022	10/02/2022
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	m ³ /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/m ³	50	50	50	50
08.	Measured Concentration of PM 2.5	µg/m ³	28.3	33.6	30.8	30.9
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	55.4	59.1	62.3	58.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	10.2	16.6	12.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	15.3	14.7	26.1	18.4

Instrument used : 1) Ecotech RDS, Model No. AAS - 277BL. Gaseous Sampling Kit- AAS 100 & PM 2.5 Sampler AAS 127

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service



Ashish

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Ground Floor, B/S. Del Adalat, Gandhi Road, RAJKOT - 360 002.

Ph: +91 291 2368895 • Email: royaleenvironmentoffice@gmail.com • admin@royalconsultancy.com

Ref. No. :291/02/2021-22

Date :29/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone CHORBEDI MINES : FEBRUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	09/02/2022	09/02/2022	10/02/2022	10/02/2022
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	m ³ /minute	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	µgm ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µgm ³	31.7	29.5	32.1	31.7
09.	Permissible Limits of PM 10	µgm ³	100	100	100	100
10.	Measured Concentration of PM 10	µgm ³	51.8	57.6	60.9	56.8
11.	Permissible Limits of SO ₂	µgm ³	80	80	80	80
12.	Measured Concentration of SO ₂	µgm ³	9.7	19.9	10.3	14.3
13.	Permissible Limits of NO ₂	µgm ³	80	80	80	80
14.	Measured Concentration of NO ₂	µgm ³	17.8	22.2	24.6	21.5

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

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, Ekt. Bel Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360835 • E-mail: royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No.: 3050/K2/2021-22

Date: 26/02/2022

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar

Sr. No.	Particulars	Unit	Core Zone = 1. Near Walgh 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	—	26/02/2022	26/02/2022	26/02/2022	26/02/2022
02.	Duration of Sampling	Hrs.	6.00	6.00	6.00	24.00
03.	Dominant Wind Direction (From)	—	NW	NW	NW	NW
04.	Average Wind Speed	Km/Hrs	3 to 14	3 to 14	3 to 14	3 to 14
05.	Average flow rate during sampling	m ³ /minutes	1.10	1.20	1.18	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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34.1	29.8	30.9	31.5
09.	Permissible Limits of PM 10	µg/m ³	160	160	160	160
10.	Measured Concentration of PM 10	µg/m ³	47.5	52.3	49.7	49.8
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.1	15.8	16.3	13.1
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	17.5	16.6	19.3

Instrument used: 1) EcoTech RDS, Model No. AAS - 217BL, Gaseous Sampling Kit: AAS 106 & PM 2.5 Sampler AAS 127

Calibrate Done on: 27/12/2021

Royal Environment Auditing & Consultancy Service



Abhishek

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shirsali-7, Bk. Bal Aash, Gondal Road, RAJKOT - 360 002.

Ph. +91 281 2368685 • Email : royalenvironment@vsnl.com • admin@royalconsultancy.com

Ref. No. 2001/01/2021-22

Date: 28/02/2022

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GHORBEDI MINES : FEBRUARY 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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	26/02/2022	26/02/2022	26/02/2022	26/02/2022
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/h (m/s)	3 to 14	3 to 14	3 to 14	3 to 14
05.	Average flow rate during sampling	m ³ /min/sec	1.20	1.10	1.15	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/m ³	80	80	80	80
08.	Measured Concentration of PM 2.5	µg/m ³	30.4	36.1	34.3	33.6
09.	Permissible Limits of PM 10	µg/m ³	180	180	180	180
10.	Measured Concentration of PM 10	µg/m ³	65.6	69.1	62.8	65.8
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.5	8.7	16.9	13.0
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	19.4	22.9	18.2	20.2

Instrument used : 1) Ecotech RDS Model No. AAS - 217BL. Gaseous Sampling Kit-AAS 102 & PM 2.5 Sampler AAS 127

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivaji-7, B/2, Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2369885 ■ E-mail: royaleenvironment@live.com ■ admin@royalconsultancy.com

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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	08/03/2022	08/03/2022	08/03/2022	08/03/2022
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/m ³	50	50	50	50
08.	Measured Concentration of PM 2.5	µg/m ³	26.5	31.9	31.5	30.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	54.3	57.6	60.8	57.6
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.3	12.4	11.9	12.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	17.5	14.8	22.5	18.3

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

Calibrate Done on : 27/12/2021

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Adish

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalli-7, B/s. Bel Adalat, Gondal Road, RAJKOT - 360 002

Ph. -91 281 2360885 • E-mail: royaleenvironment@live.com • admin@royalconsultancy.com

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.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	08/03/2022	08/03/2022	08/03/2022	08/03/2022
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	m ³ /minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	l./min	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	30.8	31.8	29.7	30.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	54.6	52.8	57.7	55.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	11.3	12.7	9.4	11.2
13.	Permissible Limits of NO ₂	µg/m ³	60	60	60	60
14.	Measured Concentration of NO ₂	µg/m ³	16.2	20.7	21.7	19.5

Instrument used : 1) EcoLab RDS, Model No. AAS - 247BL. Gas analyser Sampling Kit-AAS 109 & PM 2.5 Sampler AAS 127

Calibration Done on: 27/12/2021

Royal Environment Auditing & Consultancy Service

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivaji-7, B-1, Bal Ambika, Gondal Road, RAJKOT - 360 002

Ph. +91 281 2380395 • Email : royalemailrajkot@gmail.com • admin@royalconsultancy.com

Ref. No. -4050403/2021-22

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.
Dist. Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 6:00 Hrs.	2 nd 8:00 Hrs.	3 rd 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 10	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	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	33.6	31.6	32.9	32.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	46.2	54.9	44.0	48.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.2	13.7	12.9	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.5	19.4	17.3	19.4

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

Calibrate Done on : 27/12/2021

Royal Environment Auditing & Consultancy Service



Asish

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, 3/4 Bai Adar, Gondal Road, RAJKOT - 360 002

Ph. +91 28: 2300685 - E-mail: royalenviro@rediffmail.com - admin@royalenviro.com

Ref No. : RC/51/03/2021-22

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 - 381 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone - 2 Near Loading Place			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 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 15	1 to 15	1 to 16	1 to 16
05.	Average flow rate during sampling	m ³ /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/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32.2	34.5	30.9	32.8
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	55.2	57.6	55.4	58.4
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.4	9.8	11.4	11.5
13.	Permissible Limits of NO ₂	µg/m ³	60	60	60	60
14.	Measured Concentration of NO ₂	µg/m ³	17.8	21.6	20.6	20.0

Instrument used : 1) Ecotech RDS, Model No. AAS - 2178L Gasous Sampling Kit AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on : 27/12/2021

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Ashish

Analyst



Ref. No. : 797/10/2021-22

Date: 30/10/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140,

District : Jamnagar,

Sampling Date : 07/10/2021

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	42.1
02.	Chorbedi Mines Adm. Building	50.0	34.6
03.	Pachhtar and Pachhtardi Mines Adm. Building	52.8	37.4

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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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

Ph: +91 281 2380696 ■ E-mail: royalsenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 798/10/2021-22

Date: 30/10/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 07/10/2021

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	77.8	69.5
02.	Hyundai - 140 Excavator	86.7	78.8	73.5
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	87.3	75.5	68.9
04.	Hyundai - 140 (LC - 9)	88.3	82.4	78.8
05.	Tata - 200 Excavator	85.2	82.4	79.6
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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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivaji-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

Ph. +91 281 2360665 • E-mail : royalenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 897/11/2021-22

Date: 30/11/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/11/2021

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	52.3	44.3
02.	Chorbedi Mines Adm. Building	48.6	37.5
03.	Pachhtar and Pachhtardi Mines Adm. Building	51.2	46.6

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 : IL-006719. (SIGMA)

Calibration done on : 30/09/2021

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2380695 • E-mail: royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No : 898/11/2021-22

Date: 30/11/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/11/2021

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)	81.8	74.3	65.8
02.	Hyundai - 140 (LC - 9)	84.7	76.7	71.3
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	86.5	77.2	67.5
04.	Hyundai - 140 Excavator	85.7	80.4	74.3
05.	Tata - 200 Excavator	83.9	79.3	73.6
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 : IL-006719. (SIGMA)

Calibration done on : 30/09/2021

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Ashish

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivdik-7, Bk. Bel Astat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 291 2360685 • E-mail: royalemironment@live.com • admin@royalconsultancy.com

Ref. No. : 997/12/2021-ZZ

Date: 27/12/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/12/2021

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	49.7	40.1
02.	Chorbedi Mines Adm. Building	45.1	35.3
03.	Pachhtar and Pachhtardi Mines Adm. Building	47.9	41.8

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

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 : IL-006719, (SIGMA)

Calibration done on : 31/09/2021

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalei, Gondal Road, RAJKOT - 360 002.

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

Ref. No. : 998/12/2021-22

Date: 27/12/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/12/2021

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)	77.4	78.6	69.2
02.	Hyundai - 140 (LC - 9)	79.1	81.7	66.8
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New) - Not Running during visit	---	---	---
04.	Hyundai - 140 Excavator - Not Running during visit	---	---	---
05.	Tata - 200 Excavator - Not Running during visit	---	---	---
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Dozer D8 - N (CAT)	80.6	78.4	70.5
07.	Hyundai - 140 (LC - 9)	81.3	79.8	72.6

Instruments used : Sound level meter, model : IL-008719. (SIGMA)

Calibration done on : 30/09/2021

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Ashish
Analyst

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

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360665 ■ E-mail: royalsenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 197/01/2021-22

Date: 01/02/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT**Name of company : Shree Digvijay Cement Company Limited**

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 08/01/2022

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	52.1	42.3
02.	Chorbedi Mines Adm. Building	48.5	39.8
03.	Pachhtar and Pachhtardi Mines Adm. Building	50.3	43.1

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 : Limit 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

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Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bai Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2380695 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 198/01/2021-22

Date: 01/02/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 08/01/2022

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)	75.7	72.9	66.5
02.	Hyundai - 140 (LC - 9)	81.4	77.6	68.6
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	80.6	76.2	70.9
04.	Hyundai - 140 Excavator	77.8	71.4	65.6
05.	Tata - 200 Excavator	81.1	78.5	71.2
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Dozer D8 - N (CAT)	78.2	75.8	70.6
07.	Hyundai - 140 (LC - 9)	80.4	76.5	69.8

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

Calibration done on : 30/09/2021

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shree R-7, B/o. Bal Adalat, General Road, RAJKOT - 361 002.

Ph: +91 291 2360695 • E-mail: royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 297/02/2021-22

Date: 28/02/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 09/02/2022

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	50.8	41.7
02.	Chorbedi Mines Adm. Building	48.1	35.4
03.	Pachhlar and Pachhtardi Mines Adm. Building	52.6	40.2

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 : IL-008719. (SIGMA)

Calibration done on : 30/08/2021



Royal Environment Auditing & Consultancy Service

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shikhar-7, B/s. Bal Adalal, Gondal Road, RAJKOT - 360 002.

Ph: +91 281 2380695 • E-mail: royalenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 298/02/2021-22

Date: 28/02/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 381 140.

District : Jamnagar.

Sampling Date : 09/02/2022

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)	72.3	69.7	61.5
02.	Hyundai - 140 (LC - 9)	78.1	74.6	63.2
Pachhar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer BD 355 Dozer(New)	77.6	73.9	68.1
04.	Hyundai - 140 Excavator	79.6	69.4	60.2
05.	Tata - 200 Excavator	83.2	75.7	67.6
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Dozer D8 - N (CAT)	80.1	74.0	60.3
07.	Hyundai - 140 (LC - 9)	78.5	72.9	65.7

Instruments used : Sound level meter, model : IL-00671A (SIGMA)

Calibration done on : 30/09/2021

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Ashish

Analyst

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

303/304, Shivalik-7, B/s. Bal Adalal, Gondal Road, RAJKOT - 360 002

Ph : 91 291 2360695 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 397/03/2021-22

Date: 31/03/2022

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT**Name of company : Shree Digvijay Cement Company Limited****Digvijaygram - 361 140.****District : Jamnagar.****Sampling Date : 09/03/2022**

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	53.6	42.8
02	Chorbedi Mines Adm. Building	49.2	33.6
03.	Pachhtar and Pachhtardi Mines Adm. Building	50.9	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

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 : IL-006719, (SIGMA)

Calibration done on : 30/09/2021



Royal Environment Auditing & Consultancy Service

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, Bk. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360696 • E-mail: royaleenvironment@ae.com • admin@royalconsultancy.com

Ref. No : 398/03/2021-22

Date: 31/03/2022

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 381 140.

District : Jamnagar.

Sampling Date : 08/03/2022

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		80 dBA		
CHORBEDI MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
01.	Dozer D8 - N (CAT)	70.6	68.5	60.3
02.	Hyundai - 140 (LC - 9)	76.9	72.5	65.9
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
03.	Dozer RD 355 Dozer(New)	79.5	71.5	66.2
04.	Hyundai - 140 Excavator	76.2	67.5	62.4
05.	Tata - 200 Excavator	81.6	72.9	64.8
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
06.	Dozer D8 - N (CAT)	81.5	76.4	64.5
07.	Hyundai - 140 (LC - 9)	76.9	71.2	67.0

Instruments used : Sound level meter, model : IL-00671B (SIGMA)

Calibration done on : 30/09/2021

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Ashish
Analyst

CHORBEDI (COMPOSITE) LIMESTONE MINES
HALF YEARLY EXPENDITURE STATEMENT
FOR ENVIRONMENT MANAGEMENT
From October 21 to March 22

S. NO.	WORK	Expenditure in Rs
1	Ambient Air & Noise Monitoring	38880
2	Water Sprinkling on haul roads	115400
3	Purchasing of Sapling	0
4	Purchasing of Soil	0
5	Plantation charge	0
6	Recurring Expenses for Security and Maintenance of Plantation	79735
	Total	234015

