



By Email

CHO/MoEF/HYC/A/302/2238

Date-20-11-2020

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 (MP)

Subject: Submission of 6 Monthly Compliance Report of the conditions as laid down in the Environmental Clearance letter No J-11015/47/2005-IA.II (M), dated 07/10/2005, in respect of **Chorbedi (Composite) Limestone Mines**, pertaining to Shree Digvijay Cement Co Ltd for the Period of **April 20 to Sep 20**.

Respected Sir/Madam,

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 2019-20 | : | 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
Manager (Mines)

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
Apr-20 to Sep-20

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 Apr-20 to Sep-20 is NIL 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 Apr-20 to Sep-20 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>0.084</td><td rowspan="4">Within the EC Limit</td></tr><tr><td>Pachhtar</td><td>1.00</td><td>0.227</td></tr><tr><td>Chorbedi</td><td>0.90</td><td>0.000</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><td></td></tr><tr><td>Total</td><td>2.85 (limited to 2.20)</td><td>0.311</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	0.084	Within the EC Limit	Pachhtar	1.00	0.227	Chorbedi	0.90	0.000	Mokhana	0.70	0.000	Bhogat	EC not granted	0.000		Total	2.85 (limited to 2.20)	0.311	
Name of Mine	EC Capacity in Million Tons	Production in Million Tons	Remarks																								
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Total	2.85 (limited to 2.20)	0.311																									
(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 then.																									
(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	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.																									

S. NO.	CONDITIONS	COMPLIANCE STATUS										
	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 of silt material. Sedimentation pits should be constructed at the corners of the garland drains.	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 Ltrs 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.										
												
(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 as per EC condition is under progress & required area will be afforested during life of mine. We have done year wise plantation in mines area. A table with year wise plantation details is given below: <table><tr><th>Year Nos. of</th><th>Nos of Saplings planted</th></tr><tr><td>Upto 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>Total</td><td>11121</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 4141 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	Nos of Saplings planted	Upto 2018-19	5880	2019-20	1100	2020-21	4141	Total	11121
Year Nos. of	Nos of Saplings planted											
Upto 2018-19	5880											
2019-20	1100											
2020-21	4141											
Total	11121											

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 alongwith 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. 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)	Rain water 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 Rain Water 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										
(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. <table><tr><th>Year</th><th>Mineral</th><th>Proposed Production as per approved Mining Plan in MT</th><th>Actual Production in MT</th><th>Remarks</th></tr><tr><td>2020-21</td><td>Limestone</td><td>400000</td><td>0.0</td><td></td></tr></table>	Year	Mineral	Proposed Production as per approved Mining Plan in MT	Actual Production in MT	Remarks	2020-21	Limestone	400000	0.0	
Year	Mineral	Proposed Production as per approved Mining Plan in MT	Actual Production in MT	Remarks								
2020-21	Limestone	400000	0.0									
(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.)	Noted. Monitoring of Ambient Air Quality and Noise is being done on monthly basis by the Unistar Environment & Research Labs Pvt Ltd, a recognized Environmental laboratory under the EPA-1986. A copy of test report for the period of April -20 to Sep-20 is being attached for your kind reference as Annexure B, wherein parameters of PM10 are also within prescribed limit.										
(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 areas is being practiced.										
(v)	Adequate measures should be taken for control of noise levels in the work environment.	Regularly monitoring the noise level being done by a NABL accredited Lab. Data of Noise level is given below Copy enclosed as Annexure C.										
(vi)	Industrial waste water, 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 Corgo, 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										

S. NO.	CONDITIONS	COMPLIANCE STATUS																								
		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).	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 border="1"> <thead> <tr> <th>S.No.</th><th>Year</th><th>Recurring Yearly Expenditure</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> </tbody> </table> Expenditure for environmental protection measures for the period is enclosed as Annexure D.	S.No.	Year	Recurring Yearly Expenditure	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
S.No.	Year	Recurring Yearly Expenditure																								
1	2013-14	303784																								
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4	2016-17	311700																								
5	2017-18	437775																								
6	2018-19	472097																								
7	2019-20	417950																								
(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.																								
(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	SPCB displayed the copy of EC as per procedure.																								

S. NO.	CONDITIONS	COMPLIANCE STATUS
	Centre and Collector's Office/Tehsildar's Office for 30 days and provide copies of the same to anyone requesting for the same.	
(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 .	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.

FORM V

Environment Audit Report for the period of 2019-20

PART - A

- | | |
|---|--|
| 1. Name & Address of the Owner/
Occupier of the Industry
Operation or process | Shree Digvijay Cement Co. Ltd.
Chorbedi (Composite) Limestone Mine
Survey No.1, Village-Chorbedi
Taluka- Lalpur, Distt. - Jamnagar
(Gujarat) |
| 2. Industry Category :
Primary: (STC Code)
Secondary: (SIC Code) | Mining Industry |
| 3. Production Capacity : | 0.9 Million TPA |
| 4. Year of Establishment : | 07.11.1983 |
| 5. Date of the last Environmental
Statement submitted : | 11.05.2020 |

PART - B

Water & Raw Material Consumption

(i) * Water consumption M³ / day

Process	: 0
Cooling	: 0
Domestic (Drinking)	: 2.00 KL
Dust Suppression	: 3.90 KL
Plantation	: 0.53 KL

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

	Name of products	Process water consumption per unit of product	
		During the previous year	During the current Year
	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 year	During the current Year
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 - L/ Ton		140770 L/0.46	111670 L/0.36
10.	Lubricant oil - L/ Ton		2368 L/0.008	2040 L/0.007
11.	Grease - Kg/Ton		558 Kg/0.002	519 Kg/0.002

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	Annexure Enclosed		
		--	--	--

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

PARAMETER	TIME WEIGHTED AVG	Concentration in Ambient Air	
		Industrial, residential, rural and other area	Ecologically Sensitive area (notified by Central Govt.)
Particulate Matter In Microgram/M ³	24 hours	100	100
	Annual	60	60
SO ₂ in Microgram/M ³	24 hours	80	80
	Annual	50	20
NO _x in Microgram/M ³	24 hours	80	80
	Annual	40	30

PART - D

Hazardous Wastes

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

	Hazardous Wastes	Total Quantity	
		During the previous year	During the current Year
(a)	From Process (Used Oil from Machines)	0.110 KL	0.120 KL
(b)	From pollution control facilities	NA	NA

PART - E

(Solid Wastes)

		Total Quantity	
		During the previous year	During the current 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 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 Unistar, Vapi and reports are submitted to GPCB, Gandhinagar, MOEF, New Delhi and Regional Office of MOEF, 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.

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

Name: Shyam Narayan Singh

Designation: Manager (Mines)

Address: Gop Mines Colony, Moti
Gop, Distt. - Jamnagar -
Gujarat

MoEF&CC (GOI) Recognized Environmental
 Laboratory under the EPA-1986 (12.01.2020 to 17.03.2023)

 QC/NABET Accredited QA
 Consultant Organization

 GPCB Recognized Environmental
 Auditor (Schedule-II)

 ISO 9001:2015
 Certified Company

 ISO 45001:2018
 Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	URA/20/06/A-SDC002	Report Issue Date:	16/06/2020
Sample ID No.	URA/ID/A-20/06/002	Work Order No.	4500042141
Name & Add. of Customer	M/s. Shree Digvijay Cement Co. Ltd. Digvijaygram - 361140, Jamnagar (Gujarat)		
Dates of Sampling	09/06/2020	Date of Testing	11/06/2020
Sampling Procedure:	CPCB Guideline		
Location of Sampling / Monitoring	Chorbadi Mines (Near Security Office)		

Details of Master Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust Sampler	1254-DTG-2008 3490-DTG-2008	01/08/2019	31/07/2020
UERL/AIR/FPS/08	Fine Particulate Sampler	173-DTB-2010	01/08/2019	31/07/2020

General Sampling / Monitoring Observation as per CPCB Guideline

Sr. No.	Description	Unit of measurement	8 Hours Observation Reading		
			1 st	2 nd	3 rd
1.	Flow Rate of PM ₁₀	m ³ /min	1.26	1.26	1.23
2.	Volume of Air Sampled for PM ₁₀	m ³	604	604	590
3.	Volume of Air Sampled for PM _{2.5} (24 Hrs.)	m ³	24.04		
4.	Flow Rate for Gas	L/min	0.2	0.2	0.2
5.	Volume of Air Sample for Gas	L	96	96	96

Environmental Conditions during testing : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%
Test Parameter Results

Sr. No.	Test Parameter	Unit	8 Hours Monitoring Result			Average (24 Hours)	Specific Value	Test Method
			1 st	2 nd	3 rd			
1.	PM ₁₀	µg/m ³	92	80	72	81	100	IS - 5182, Part - 23
2.	SPM	µg/m ³	348	292	253	297	--	IS - 5182, Part - 23
3.	PM _{2.5}	µg/m ³	27	20	18	22	60	UERL/AIR/SOP/11
4.	Sulphur Dioxide	µg/m ³	18.6	23.2	16.3	19.3	80	IS - 5182, Part - 2
5.	Nitrogen Dioxide	µg/m ³	26.1	21.7	20.6	22.8	80	IS - 5182, Part - 6
6.	Carbon Monoxide	mg/m ³	BDL	BDL	BDL	BDL	2.0	IS - 5182, Part - 10

Note: BDL: Below Detection Limit.

Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

 Acael
 (Chemist)/(Supervisor)

 (Acael)
 Page No.: 1 of 1

Tested By:

 (Chemist) / (Sr. Chemist)
 (Acael)

Authorized By:

 (Manager - Operations)
 (Acael)

UERL/AIR/F-05/03

MoEF&CC (GOI) Recognized Environmental
 Laboratory under the EPA-1986 (12.01.2000 to 17.03.2023)

 QC-NABET Accredited QA
 Consultant Organization

 CPCB Recognized Environmental
 Auditor (Schedule-II)

 ISO 9001:2015
 Certified Company

 ISO 45001:2018
 Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	URA/20/06/A-SDC001	Report Issue Date:	16/06/2020
Sample ID No.	URA/ID/A-20/06/001	Work Order No.	4500042141
Name & Add. of Customer	M/s. Shree Digvijay Cement Co. Ltd. Digvijaygram - 361140, Jamnagar (Gujarat)		
Dates of Sampling	08/06/2020	Date of Testing	10/06/2020
Sampling Procedure:	CPCB Guideline		
Location of Sampling / Monitoring	Chorbadi Mines (Near Security Office)		

Details of Master Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/01	Respirable Dust Sampler	1254-DTG-2008 3490-DTG-2008	01/08/2019	31/07/2020
UERL/AIR/FPS/08	Fine Particulate Sampler	173-DTB-2010	01/08/2019	31/07/2020

General Sampling / Monitoring Observation as per CPCB Guideline

Sr. No.	Description	Unit of measurement	8 Hours Observation Reading		
			1 st	2 nd	3 rd
1.	Flow Rate of PM ₁₀	m ³ /min	1.26	1.28	1.28
2.	Volume of Air Sampled for PM ₁₀	m ³	604	614	614
3.	Volume of Air Sampled for PM _{2.5} (24 Hrs.)	m ³	24.04		
4.	Flow Rate for Gas	L/min	0.2	0.2	0.2
5.	Volume of Air Sample for Gas	L	96	96	96

Environmental Conditions during testing : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

Test Parameter Results

Sr. No.	Test Parameter	Unit	8 Hours Monitoring Result			Average (24 Hours)	Specific Value	Test Method
			1 st	2 nd	3 rd			
1.	PM ₁₀	µg/m ³	88	74	67	76	100	IS - 5182, Part - 23
2.	SPM	µg/m ³	267	210	124	200	--	IS - 5182, Part - 23
3.	PM _{2.5}	µg/m ³	25	19	14	19	60	UERL/AIR/SOP/11
4.	Sulphur Dioxide	µg/m ³	17.8	19.3	14.5	17.2	80	IS - 5182, Part - 2
5.	Nitrogen Dioxide	µg/m ³	24.4	20.5	17.1	20.6	80	IS - 5182, Part - 6
6.	Carbon Monoxide	mg/m ³	BDL	BDL	BDL	BDL	2.0	IS - 5182, Part - 10

Note: BDL: Below Detection Limit.

Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

 Acaid
 (Chemist)/(Supervisor)

 (C.V.)
 Page No.: 1 of 1

Tested By:

 (Chemist) / (Sr. Chemist)
 (C.V.)

Authorized By:

 (Manager - Operations)
 (C.V.)

UERL/AIR/F-05/03

MoEF&CC (GOI) Recognized Environmental
Laboratory under the EPA-1986 (12.01.2020 to 17.03.2023)

QC-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001:2015
Certified Company

ISO 45001:2018
Certified Company

WORK PLACE NOISE LEVEL MONITORING REPORT

Test Report No.:	URA/20/06/WN-SDC001	Date Of Report:	16/06/2020
Name & Add. Of Industries	M/s. Shree Digvijay Cement Co. Ltd. Digvijaygram - 361140, Jamnagar (Gujarat)		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/08/2019	31/07/2020

1) Chorbedi (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level – dB (A)		
		Inside Cabin	15 Mtr. away from m/c.	50 Mtr. away from m/c.
" Temporary Discontinued – No Operation"				

2) Pachhter (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level - dB (A)		
		Inside Cabin	15 Mtr. away from m/c.	50 Mtr. away from m/c.
08/06/2020	Dozer D - 8R	89.2	83.7	74.3
08/06/2020	Hyundai - 140 (LC - 9)	89.1	83.8	73.6
08/06/2020	Tata - 200 Bracker	88.7	82.9	74.1

3) Gop (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level - dB (A)		
		Inside Cabin	15 Mtr. away from m/c.	50 Mtr. away from m/c.
08/06/2020	Dozer D8 - N (CAT)	89.4	84.1	74.9
08/06/2020	Hyundai - 140 Excavator	88.9	83.5	73.4
08/06/2020	Tata - 200 Excavator	89.4	84.2	74.1

Note:

Permissible Limit:

TWA (Time Weighted Average) 8 Hrs: 90 dB (A)

Prepared By

Aracel

Page 1 of 1

Authorized By
Hardef

UERL/AIR/F-20/01

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 QCINABET Accredited EA
 Consultant Organization

 GPCB Recognized Environmental
 Auditor (Schedule-II)

 ISO 9001:2015
 Certified Company

 ISO 45001:2018
 Certified Company

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	URA/20/06/AN-SDC001	Date Of Report:	16/06/2020
Name & Add. Of Industries	M/s. Shree Digvijay Cement Co. Ltd. Digvijaygram - 361140, Jamnagar (Gujarat)		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/08/2019	31/07/2020

1) Pachhtar (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level - dB (A)	
		Day Time	Night Time
08/06/2020	Pachhtar Village	62.3	48.1
09/06/2020	Pachhtar Village	60.5	47.9

2) Chorbedi (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level - dB (A)	
		Day Time	Night Time
08/06/2020	Chorbedi Village	62.7	50.3
09/06/2020	Chorbedi Village	64.5	52.7

3) Gop (Composite) Limestone Mines.

Date of Monitoring	Name of Site	Noise Level - dB (A)	
		Day Time	Night Time
09/06/2020	Gop Village	61.7	53.9
09/06/2020	Jeenawari Village	64.8	56.5
10/06/2020	Gop Village	62.4	54.2
10/06/2020	Jeenawari Village	65.2	56.7

Note:
Permissible Limit:

Day Time: 75> dB (A) Night Time: 70> dB (A)

Prepared By


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Authorized By


UERL/AIR/F-18/01



Annexure D

CHORBEDI (COMPOSITE) LIMESTONE MINES

YEARLY EXPENDITURE STATEMENT

FOR ENVIRONMENT MANAGEMENT

For the Period of 2019-20

S. No.	WORK	Expenditure in Rs		Grand Total
		From April 19 to Sep 19	From October 19 to March 20	
1	Ambient Air & Noise Monitoring	21600	41400	63000
2	Water Sprinkling on haul roads	79050	105600	184650
3	Plantation charges	80000	0	80000
4	Recurring Expenses for Security and Maintenance of Plantation	36300	54000	90300
	Total	216950	201000	417950


Signature
Shyam Narayan Singh
Manager - Mines

**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