



By E-mail

Gop/MoEF/HYC/C/302/2380

Date- 28-05-2021

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

Subject: Submission of Compliance Report of the conditions as laid down in the Environmental Clearance letter no. J-11015/47/2005-IA. II (M) dated 07.10.05-in respect of Gop (Composite) Limestone Mines for the half year period **Oct-2020 to March-2021**

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 2020-2021 | : | 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:

1. 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

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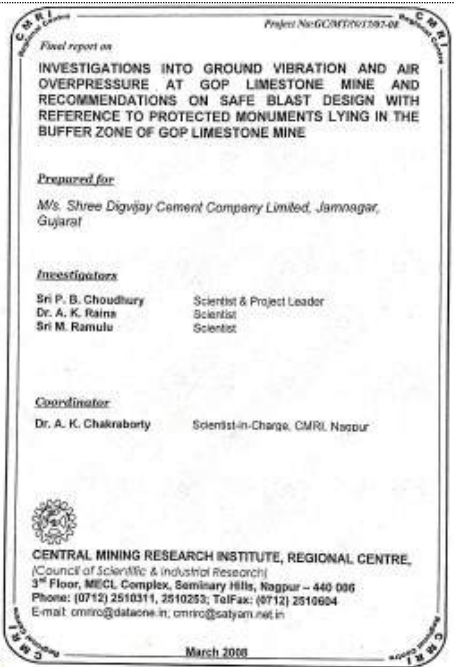
SHREE DIGVIJAY CEMENT CO. LTD.

GOP (COMPOSITE) LIMESTONE MINE

SIX MONTHLY COMPLIANCE STATUS

October 20 to March 21

S. NO.	CONDITIONS	COMPLIANCE STATUS																								
A. Specific Conditions																										
(i)	The production capacity of this mine shall not exceed 0.25 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 individually.	Production during October 20 to March 21 is 162944.588 MT from Gop (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 20 to March 21 and its capacities are as under- <table><tr><th>Name of Mine</th><th>EC Capacity in Million Tons</th><th>Production in Million Tons</th><th>Remarks</th></tr><tr><td>Gop</td><td>0.25</td><td>0.162</td><td rowspan="5">Within the EC Limit</td></tr><tr><td>Pachhtar</td><td>1.00</td><td>0.458</td></tr><tr><td>Chorbedi</td><td>0.90</td><td>0.068</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>0.688</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	0.162	Within the EC Limit	Pachhtar	1.00	0.458	Chorbedi	0.90	0.068	Mokhana	0.70	0.000	Bhogat	EC not granted	0.000	Total	2.85 (Limited to 2.20)	0.688	
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(ii)	The recommendations of the Expert Committee on Historical Religious Monuments constituted under the District Collector shall be complied with to ensure that the mining does not have adverse impacts on the Sun temple and Gop Nath temple. The compliance report shall be submitted regularly to the MOEF Regional Office, Bhopal and to the GSPCB.	As per the recommendation of Expert committee on Historical Religious Monuments No blasting within 1km of Sun Temple and within 500m of Gopnath Temple is performed. At present there is No Blasting in the Mine at all since 2015. The Compliance reports are being submitted Half Yearly to MOEF Regional Office, Bhopal and to the GPCB.																								
(iii)	A study to be carried out by a specialized agency such as the CMRI shall be commissioned to determine the ground vibrations during blasting operations and the precautionary and safety measures recommended shall be implemented for the safety of the monuments located in the buffer zone.	A study has been carried out by CMRI, Nagpur in the March-2008 to determine the ground vibrations during blasting operations; and the precautionary and safety measures as recommended have been implemented for safety of monuments located in the buffer zone.																								
		Now the drilling & Blasting has been eliminated by the use of Ripper –Dozer and Excavator combination , an Eco-Friendly mining machinery.																								

		
(iv)	Timing of primary blasting shall be stipulated and specified. The notice displaying such timing shall be displayed in local language for the benefit of local population.	Complied as directed. Timing of Primary Blasting stipulated during 12 to 2 pm. Notice displaying the timing is fixed at the Mines Entry. However, there is no Drilling and Blasting since 2015. 
(v)	Drainage plan in mining area shall be so designed to make most effective use of water resources.	Check dam and bunds are provided to store rain water in the mined-out area. Water drains through natural channels into these ponds to meet the year- long demand of cattle of the region besides recharging Ground water. 
(vi)	No river water should be used for water spraying in the mining area and on the Katchha roads.	No river water is used for water spraying in the mining area. Water from outside is purchased and sprinkled through Tanker.
(vii)	First Aid facilities shall be provided at convenient locations. Emergency and First Aid Training shall be imparted to all the operating staff at all levels and	A First Aid Facility is provided at pit head in the mine. Company's Doctor & Officers holding First Aid Certificate are imparting training to all operating staff. Free medical and Ambulance facilities are provided to local villagers in

	to local affected villages.	the area.
		
(viii)	Socio-economic plan should be prepared in consultation with local community and the plan should be implemented in a phased manner and published at local level in Gram Sabha.	Socio-economic plan is prepared in consultation with local community and the Plan is being implemented in a phased manner.
(ix)	Catch drains and siltation ponds of appropriate size and check dams should be constructed to arrest silt and sediment flows from the mining operations. The drains should be regularly de-silted and maintained properly. Garland drain (size, gradient & length) shall be constructed for both mine pit and for the waste dump. Sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed	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). Pits and Drains are marked in Surface Plan and details of these pits have been submitted vide our Email dated 20.03.2020 as Annexure 1. Size of the Sump (Pit) is capable to receive and store 2355487.50 Ltrs of water with average rainfall of 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. Details of Drains & Siltation Pits have been submitted vide our Email dated 20.03.2020 as Annexure 2
		
(x)	Drills should be wet operated or with dust extractors.	We are not operating drills.
(xi)	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	Drilling and Blasting is not being performed. It has been stopped now. Blasting when being performed earlier was conducted during 12 to 2pm with control measures to arrest fly rocks and control ground vibrations. No Blasting carried out within 500 m distance from Gopnath Temple and 1km Distance from Sun Temple.

	should be implemented. No blasting shall be carried out within 500 m distance from Gop Nath Temple and 1 KM distance from the Sun Temple.											
(xii)	Plantation shall be done over the lease area 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 is being done within and outside lease area. We have done year wise plantation in mines area as per mining plan. A table with year wise plantation details is given below: <table><tr><th>Year & Nos.</th><th>Nos. of trees</th></tr><tr><td>Upto 2018-19</td><td>8970</td></tr><tr><td>2019-20</td><td>2959</td></tr><tr><td>2020-21</td><td>4870</td></tr><tr><td>Total</td><td>16799</td></tr></table> We have planted 4870 Nos of plants in the year 2020-21 against the target of 2000 Nos plants as per our Email 20.03.2020 regarding development of greenbelt over the next 10 years.	Year & Nos.	Nos. of trees	Upto 2018-19	8970	2019-20	2959	2020-21	4870	Total	16799
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Upto 2018-19	8970											
2019-20	2959											
2020-21	4870											
Total	16799											
												
(xiii)	Ground water shall not be encountered during mining operations. Prior approval of the MOEF and CGWA shall be taken for mining below ground water.	The Ground Water table is in the range of 17-20m belowground level (bgl) (Pre-Monsoon) and 6-12m bgl (Post-Monsoon). Depth of deposit lies well above Water Table at 5-6 mtrs (BGL). So, there is no chance of encountering Ground Water during Mining Operations.										
(xiv)	Rain water harvesting measures shall be taken up in consultation with the Regional Office, CGWB to recharge and augment groundwater in the area.	Rainwater harvesting measures being done with channelization of rain water inside the excavated pits in the area. Thus, the entire precipitation water of the lease area being taken inside the pits for ground water recharge in the area. A study from reputed consultant and ex-Director of CGWB is carried out for systematic Rain Water Harvesting in Gop Mines. The report with proposals is submitted to Regional Office, CGWB, Ahmedabad along with application for Ground Water abstraction. As per proposal: 1. Old mine pits are created which serves as recharge ponds. Additionally 2. Circular pits in plantation area are also being made. 3. Artificial Recharge structure at proposed Mines Office is also created. In this regard we have also requested guidance and expertise from Regional Director, C.G.W.B. Ahmedabad.										



**COMPREHENSIVE REPORT ON
RAIN WATER HARVESTING / RECHARGE PROPOSAL**

FOR
SHREE DIGVIJAY CEMENT COMPANY LTD
(VOTORANTIM CIMENTOS)
AT
GOP LIMESTONE MINE
TALUKA: JAMJODHPUR
DISTRICT: JAMNAGAR
STATE: GUJARAT

Report Prepared by:-
Dr N.Varadaraj, M.Tech,
P.G. Diploma(Hons)., Ph.D
Krishna Geo Ventures Private Limited
2A, TVH Maharya Flats, 340, Velachery main road,
Velachery, Chennai- 090 042
PHONE: 04287 - 221011, Cell: 919444912928
Email: krishnageo@gmail.com; nvpvtprva@krishna.co.in; geo_services2064@yashoo.co.in

(xv)	A final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.	The validity of Mining Lease is up to 31.03.2030. Balance life of Mine is envisaged as 11 Years @ present rate of production. So Final Closure is anticipated by 2030; accordingly, Final Mine Closure plan will be submitted by 2025 i.e. before 5 years of anticipated closure.
(xvi)	Consent to operate shall be obtained from the SPCB before expanding mining operations.	Consent to Operate has been renewed vide order no AWH 106505, valid up to 20/02/2025 vide letter no PC/CCA-JMN-46(3)/ID-30566, dated 03.02.2020



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
 Sector-10-A, Gandhinagar 382 010
 Phone : (079) 23222425
 (079) 23232152
 Fax : (079) 23232156
 Website : www.gpcb.gov.in

G.Y.S.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1986 and Authorisation under rule 13(a) & 13(c) of the Hazardous and other Waste (Management and) Transboundary Movement) Rules/2008 framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application dated No. 1999/2 dated 25/10/2009 for the Removal of Consolidated Consent and Authorisation (CC & A) of this Board under the provisions/terms of the aforesaid acts. Consents & Authorisation are hereby granted as under:

CONSENTS AND AUTHORISATION

(Under the provisions under of the aforesaid environmental acts)

M.V. GOSWAMI & CO. LTD (GOSWAMI PORTLAND CEMENTS)

PLANT NO. 2 IND-301/17

VILL. GRIFFITHNAGAR,

GDSP - 301105.

TAL. DABHOI DIST. DABHOI.

Consent Order No.: A/98-306505 dated of issue: 04/05/2010.

The consent is valid up to 20/05/2015 for use of outlet for the discharge of trade effluent & control in due to operation of industrial plant for manufacture of clinker following terms/conditions.

Sl. No.	Product	Total Capacity
1	CLINKER (SHRUBH)	25,000 MT/Year

Specific Conditions:

The applicant shall strictly observe & comply with various Environment stipulations mentioned in the Governmental Consents issued by MOEF vide its letter no. J-110015-147/2009 (A.II) dated 07/10/2009.

Specific Conditions for Mining:

Conditions for Mining Dump:

- The initial dump should have maximum slope of 37 degree and an overall slope not exceed 28 degree.
- The external dump should have provision of retaining wall at suitable locations of required height with proper batter to drain run water in the gulland down.
- The level-filled areas should be leveled to match with adjoining ground level.
- The completed dump and the back-filled areas should be afforested in a planned way to increase their stability.

Conditions for Stockpiles (Dumps):

- The top soil, fines or drilling mud blasting should be stacked at designated area surrounded by environment to prevent erosion.
- The stockpiles and top soil dumps should be stabilized by phytosodion and hedges with wire mesh/ netting.
- Physo-sodion waste management should be done on surface plan in the same trend area for the 1st year, 10th year, 15th year 20th year, 25th year and 30th year.

Conditions for Transportation:

- Industry shall take adequate measures to control erosion due to loading, unloading of materials and movement of vehicles.

Conditions for Material Handling:

- Industry shall take necessary measures to control dust emission due to operation of mining activity. The water waste management should be as per the approved mine plan.



Clean Gujarat Green Gujarat
 ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

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.	No change is made in Mining Technology and scope of working.				
(ii)	No change in the calendar plan including excavation, quantum of limestone and waste should be made.	Similarly 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
		2020-21	Limestone	247611	246873.766	
(iii)	Data on ambient air quality (RPM and SPM) should be regularly submitted once a year to the Ministry including its Regional Office (WZ) at Bhopal and the Gujarat State Pollution Control Board /Central Pollution Control Board once in six months.	Data of ambient air quality (RPM & SPM) are regularly submitted half yearly on or before 1 st June and 1 st December to MOEF including Regional Office (WR) Bhopal and GPCB, Gandhinagar. Data of Ambient air Quality Survey conducted during the half year period Oct-20 to March-21 is enclosed as Annexure –B				
(iv)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, wagon loading, dump	Fugitive dust emissions from all the sources are controlled by regularly water spraying on haul roads, loading sites etc. being complied.				

	trucks (loading & unloading) should be provided and properly maintained.																												
(v)	Adequate measures should be taken for control of noise levels in the work environment.	Regularly monitoring the noise level. Data of Noise level for the period of Oct-20 to March-21 is 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 program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance program of the workers is being taken periodically to observe any contractions due to exposure to dust. Initial (IME) and Periodical Medical Examination (PME) of all the work persons is done at statutory intervals. Initial / Periodical Medical Examination is being carried out for following parameters as per Form O under rule 29 B of Mines Rules 1955 for all employees General Development: Height, Weight, Eye, Ears, Respiratory System, Circulatory System, Nervous System, Locomotor System, Hydrocele Any other abnormality. Urine, Skiagram of Chest, Cardiological Assessment, Neurological Assessment, ILO-Chest Radiograph, Spirometry, Audiometry, Pathological Test (Blood Sugar – Fasting & Post Prandial) So far not a single case is detected for dust borne disease.																											
(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 8 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>375319</td></tr> <tr> <td>2</td><td>2014-15</td><td>123321</td></tr> <tr> <td>3</td><td>2015-16</td><td>131240</td></tr> <tr> <td>4</td><td>2016-17</td><td>199408</td></tr> <tr> <td>5</td><td>2017-18</td><td>321289</td></tr> <tr> <td>6</td><td>2018-19</td><td>224666</td></tr> <tr> <td>7</td><td>2019-20</td><td>187086</td></tr> <tr> <td>8</td><td>2020-21</td><td>976350</td></tr> </tbody> </table> Expenditure for environmental protection measures is attached as Annexure D.	S.No.	Year	Recurring Yearly Expenditure	1	2013-14	375319	2	2014-15	123321	3	2015-16	131240	4	2016-17	199408	5	2017-18	321289	6	2018-19	224666	7	2019-20	187086	8	2020-21	976350
S.No.	Year	Recurring Yearly Expenditure																											
1	2013-14	375319																											
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5	2017-18	321289																											
6	2018-19	224666																											
7	2019-20	187086																											
8	2020-21	976350																											
ix)	The Regional Office (WZ) of this Ministry located at Bhopal shall monitor compliance of the stipulated	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																											

	conditions. The project authorities should extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data / information/ monitoring reports.	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 Environmental Clearance letter was handed over to all concerned Panchayat vide letter dated 13.12.2005
(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 provides copies of the same to anyone requesting for the same.	SPCB displayed the copy of EC as per procedure.
(xii)	The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in vernacular language of the locality concerned, within 7 days of the issue of clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at web site of the Ministry of Environment and Forests at http://envfor.nic.in .	We have advertised in two local newspapers dated 10.12.2005 in respect of Environmental Clearance having been accorded to our Limestone Mines, by the MoEF New Delhi. The publication has appeared in the – (1) Times of India – Ahmedabad Edition (2) Phoolchhab – Rajkot edition.

FORM V

Annexure A

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

1. Name & Address of the Owner/
Occupier of the Industry
Operation or process : **Shree Digvijay Cement Co. Ltd.
GOP (Composite) Limestone Mine
Survey No.50 /17, Village-Gop/Jeenavari,
Taluka-Jamjodhpur, Distt. - Jamnagar
(Gujarat)**
2. Industry Category :
Primary: (STC Code) : **Mining Industry**
Secondary: (SIC Code)
3. Production Capacity : **0.25 Million TPA**
4. Year of Establishment : **01.06.1978 & 17.06.86**
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)	:	20 KL
Dust Suppression	:	2.64 KL
Plantation	:	0.51 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 2019-20	During current Financial Year 2020-21
	LIMESTONE	Not Applicable	Not Applicable

(ii) Raw material consumption

S. No.	Name of raw materials	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year 2019-20	During the current financial year 2020-21
1.	Explosives	Limestone	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		0.0 L	80512 L
8	Lubricant oil		0.0 L	1509 L
9	Grease		0.0 Kg	233.5 Kg

PART – C

Pollution discharged to Environment/unit of output

(Parameter as specified in the consent issued)

	Pollutants	Qty. of pollutants discharged (Kg/Day)	Concentration of pollutants in discharges (Mg/Nm ³)	Percentage of variation from prescribed standard with reasons
(a)	Water	9 KL goes to ground through septic tank and soak pit,		
(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	During the current Financial Year
(a)	From Process (Used Oil from Machines)	0 Litres	10 Litres
(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-utilised within the unit		
	ii) Sold		
	iii) Disposed		

PART - F

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

The used oil when taken out of machine at oil change time, it is collected in an empty barrel. This oil is reused for external lubrication of running moving parts of loading machine and lubrication system of drill machine.

Not applicable; as described above in Part - E.

PART - G

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

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

PART - H

Additional measures investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Following control measures were contemplated for reducing dust in mines.

1. Dust suppressed on haul road by water sprinkling.
2. Fumes and smoke emissions from HEMM controlled by regular maintenance and timely overhaul of engines.
3. Tarpaulin covering on the transporting vehicle before leaving the mine site.
4. 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, Bhopal.

PART - I

Any other particulars for improving the quality of the environment

Following are various measures taken by us: -

1. Plantation has been done in mines.
2. Sense of creating & maintaining clean environment among the employees are being created by celebrating Mines Environment and Mineral Conservation Week every year and Environment Day and other such functions time to time on Environment, keeping slogan boards on environment etc.

Date: 22.05.2021



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

Name: 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, Bis. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph. +91 281 2360585 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Ref. No. :692/03/2020-21

Date : 31/03/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone GOP MINES : MARCH 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Nr. Office Area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	10/03/2021	10/03/2021	11/03/2021	11/03/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 16	3 to 16	3 to 16	3 to 16
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32	29	33	31.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	52	50	49	50.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	11.5	12.6	12.1	12.1
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	17.2	17.5	19.7	18.1

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

Calibrate Done on : 17/06/2020

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Ref No : 792/03/2020-21

Date: 31/03/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone GOP MINES : MARCH 2021 (2nd time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Nr. Office Area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	23/03/2021	23/03/2021	24/03/2021	24/03/2021
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 17	2 to 17	2 to 17	2 to 17
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	31	32	36	33.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	51	53	52	52.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	15.6	14.3	16.5	15.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.2	20.7	20.6	20.8

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

Calibrate Done on : 17/06/2020

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Ref. No: 582/02/2020-21

Date: 27/02/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone GOP MINES : FEBRUARY 2021 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Nr. Office Area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	12/02/2021	12/02/2021	13/02/2021	13/02/2021
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 16	2 to 16	2 to 16	2 to 16
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	35	32	36	34.3
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	55	53	52	53.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.8	13.7	15.6	14.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	19.3	20.8	22.6	20.9

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

Calibrate Done on: 17/06/2020

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Ref. No: 692/02/2020-21

Date: 25/02/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Buffer Zone GOP MINES : FEBRUARY 2021 (2nd time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Nr. Office Area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	22/02/2021	22/02/2021	23/02/2021	23/02/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	NE	NE	NE	NE
04	Average Wind Speed	Km./Hrs.	3 to 18	3 to 18	3 to 18	3 to 18
05	Average flow rate during sampling	m3/minutes	1.10	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	33	34	38	35.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	53	55	54	54.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	16.7	15.5	17.6	16.6
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	20.4	22.8	21.7	21.6

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

Calibrate Done on : 17/06/2020

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Ref. No. 490/01/2020-21

Date: 31/01/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : JANUARY 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	—	15/01/2021	15/01/2021	16/01/2021	16/01/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	31	33	32	32.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	57	56	58	57.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	16.2	14.7	16.5	15.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.4	22.7	24.6	23.6

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

Calibrate Done on : 17/06/2020

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Ref No. 491/01/2020-21

Date: 31/01/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : JANUARY 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	---	15/01/2021	15/01/2021	16/01/2021	16/01/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05	Average flow rate during sampling	m ³ /minutes	1.10	1.20	1.10	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	45	42	44	43.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	63	62	61.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	16.3	17.3	16.6	16.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.5	22.5	24.7	22.9

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

Calibrate Done on : 17/06/2020

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Ref. No. 590/01/2020-21

Date: 24/01/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : JANUARY 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	—	22/01/2021	22/01/2021	23/01/2021	23/01/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	NE	NE	NE	NE
04	Average Wind Speed	Km./Hrs.	3 to 15	3 to 15	3 to 15	3 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	38	35	39	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	57	54	55.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	15.2	15.7	17.4	16.1
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.5	23.6	24.3	23.5

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

Calibrate Done on : 17/06/2020

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Ref No : 591/01/2020-21

Date : 24/01/2021

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : JANUARY 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	—	22/01/2021	22/01/2021	23/01/2021	23/01/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	NE	NE	NE	NE
04	Average Wind Speed	Km./Hrs.	3 to 15	3 to 15	3 to 15	3 to 15
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	38	35	36.3
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	60	58	56	58.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	18.3	16.2	17.4	17.3
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.5	22.7	24.6	23.6

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

Calibrate Done on : 17/06/2020

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Ref. No. :390/12/2020-21

Date: 31/12/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : DECEMBER 2020 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

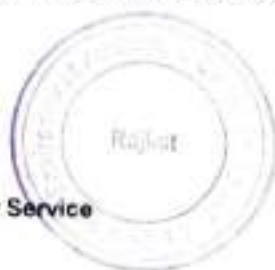
District : Jamnagar.

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	—	18/12/2020	18/12/2020	19/12/2020	19/12/2020
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.	1 to 11	1 to 11	1 to 11	1 to 11
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	33	35	34	34.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	55	54	56	55.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	17.3	15.8	15.4	16.2
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.5	21.6	23.7	22.6

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

Calibrate Done on : 17/06/2020

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Ref. No. 39/12/2020-21

Date: 31/12/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : DECEMBER 2020 (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	---	18/12/2020	18/12/2020	19/12/2020	19/12/2020
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.	1 to 11	1 to 11	1 to 11	1 to 11
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	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	43	40	42	41.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	56	61	64	60.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	15.4	16.2	15.7	15.8
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.6	21.4	23.6	22.5

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

Calibrate Done on : 17/06/2020

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Ref. No : 490/12/2020-21

Date : 31/12/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : DECEMBER 2020 (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	----	24/12/2020	24/12/2020	25/12/2020	25/12/2020
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 11	2 to 11	2 to 11	2 to 11
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	34	33	37	34.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	53	55	52	53.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	12.5	14.6	16.5	14.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.6	22.5	23.4	22.5

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

Calibrate Done on : 17/06/2020

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Ref. No : 491/12/2020-21

Date: 31/12/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : DECEMBER 2020 (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	---	24/12/2020	24/12/2020	25/12/2020	25/12/2020
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 11	2 to 11	2 to 11	2 to 11
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	34	36	37	35.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	56	54	56.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	17.2	17.3	16.2	16.9
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.4	21.6	23.5	22.5

Instrument used: 1) Ecotech RDS, Model No. AAS - 217BL. Gaseous Sampling Kit- AAS 108 & PM 2.5 Sampler AAS 127.

Calibrate Done on: 17/06/2020

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Ref. No. 290/11/2020-21

Date: 30/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : NOVEMBER 2020 (1st time)

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/11/2020	11/11/2020	12/11/2020	12/11/2020
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	SE	SE	SE	SE
04.	Average Wind Speed	Km./Hrs.	2 to 11	2 to 11	2 to 11	2 to 11
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	36	33	34.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	56	53	55	54.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	16.4	16.2	14.5	15.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.6	22.7	24.8	23.7

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

Calibrate Done on : 17/06/2020

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Ref. No. 291/11/2020-21

Date: 30/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : NOVEMBER 2020 (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	---	11/11/2020	11/11/2020	12/11/2020	12/11/2020
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	SE	SE	SE	SE
04	Average Wind Speed	Km./Hrs.	2 to 11	2 to 11	2 to 11	2 to 11
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	42	39	41	40.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	55	60	63	59.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.5	15.3	16.8	15.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.4	22.5	24.7	22.9

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

Calibrate Done on: 17/06/2020

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Ref. No. 390/11/2020-21

Date: 30/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : NOVEMBER 2020 (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	---	25/11/2020	25/11/2020	26/11/2020	26/11/2020
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	-----	SE	SE	SE	SE
04	Average Wind Speed	Km./Hrs.	3 to 11	3 to 11	3 to 11	3 to 11
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	34	35	35.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	53	55	53	53.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	13.6	15.7	15.6	15.0
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.7	21.7	22.5	22.3

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

Calibrate Done on : 17/06/2020

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Ref No : 391/11/2020-21

Date : 30/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : NOVEMBER 2020 (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	---	25/11/2020	25/11/2020	26/11/2020	26/11/2020
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	SE	SE	SE	SE
04	Average Wind Speed	Km./Hrs.	3 to 11	3 to 11	3 to 11	3 to 11
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	33	34	38	35.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	59	57	55	57.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	18.3	18.4	17.1	17.9
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.5	22.4	24.6	23.5

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

Calibrate Done on : 17/06/2020

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Ref. No. 290/10/2020-21

Date: 05/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : OCTOBER 2020 (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	—	29/10/2020	29/10/2020	30/10/2020	30/10/2020
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 11	2 to 11	2 to 11	2 to 11
05	Average flow rate during sampling	m ³ /minutes	1.10	1.20	1.20	1.20
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	34	36	37	35.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	55	53	51	53.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	12.5	18.8	14.5	14.6
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.8	20.6	21.4	21.9

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

Calibrate Done on : 17/06/2020

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Ref. No: 291/10/2020-21

Date: 05/11/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : OCTOBER 2020 (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	---	29/10/2020	29/10/2020	30/10/2020	30/10/2020
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 11	2 to 11	2 to 11	2 to 11
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.20
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	38	35	37	36.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	60	54	57.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.3	15.5	17.3	15.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	20.2	22.5	24.4	22.4

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

Calibrate Done on: 17/06/2020

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Ref. No: 190/10/2020-21

Date: 17/10/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : OCTOBER 2020 (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	—	12/10/2020	12/10/2020	13/10/2020	13/10/2020
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 11	3 to 11	3 to 11	3 to 11
05	Average flow rate during sampling	m ³ /minutes	1.20	1.10	1.10	1.10
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	38	35	36.3
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	55	53	55.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.6	17.1	15.4	15.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.7	21.8	23.6	22.7

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

Calibrate Done on: 17/06/2020

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Ref. No. : 181/10/2020-21

Date : 17/10/2020

REPORT OF AMBIENT AIR QUALITY MONITORING : Core Zone GOP MINES : OCTOBER 2020 (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	—	12/10/2020	12/10/2020	13/10/2020	13/10/2020
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 11	3 to 11	3 to 11	3 to 11
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.10
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	40	37	39	38.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	57	62	55	58.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.4	16.2	18.1	16.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	22.3	23.6	25.8	23.9

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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Annexure C

Ref. No. : 698/03/2020-21

Date: 31/03/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/02/2021

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)	83.5	80.3	72.3
02.	Hyundai - 140 Excavator	86.3	84.2	71.6
03.	Tata - 200 Excavator	83.4	81.5	70.2
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04.	Dozer D - 8R	85.6	81.5	72.4
05.	Hyundai - 140 (LC - 9)	84.3	81.2	71.2
06.	Tata - 200 Bracker	86.1	80.4	70.2
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07.	Temporary Discontinued - Not Running during visit	---	---	---

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

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

Calibration is Done On : 12/09/2020

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Ref. No. : 697/03/2020-21

Date: 31/03/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/03/2021

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	50.3	40.3
02.	Chorbedi Mines Adm. Building	46.7	34.0
03.	Pachhtar and Pachhtardi Mines Adm. Building	49.3	33.7

CPCB Standards

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

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

Instruments used : Sound level meter, model : SL- 4001. (Lutron Make)

Calibration done on : 12/09/2020

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

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Ref No : 597/02/2020-21

Date: 27/02/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/02/2021

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	53.2	42.4
02	Chorbedi Mines Adm. Building	48.9	36.7
03	Pachhtar and Pachhtardi Mines Adm. Building	51.2	35.8

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 SL- 4001 (Lutron Make)

Calibration done on : 12/09/2020

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

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Ref No: 598/02/2020-21

Date: 27/02/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 12/02/2021

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)	84.6	81.4	73.2
02.	Hyundai - 140 Excavator	87.2	85.3	72.5
03.	Tata - 200 Excavator	84.5	82.4	71.3
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04.	Dozer D - 8R	86.5	82.6	73.5
05.	Hyundai - 140 (LC - 9)	85.2	82.1	72.1
06.	Tata - 200 Bracker	87.2	81.5	71.3
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07.	Temporary Discontinued - Not Running during visit	---	---	---

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

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

Calibration is Done On: 12/09/2020

Royal Environment Auditing & Consultancy Service

Analyst



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Ref No : 496/01/2020-21

Date: 31/01/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 13/01/2021

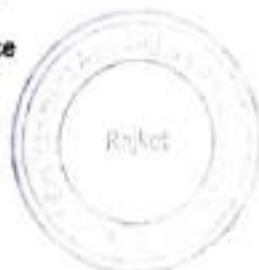
Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBA		
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
01	Dozer D8 - N (CAT)	80.4	82.5	71.5
02	Hyundai - 140 Excavator	83.5	81.3	74.5
03	Tata - 200 Excavator	80.5	84.1	70.5
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04	Dozer D - 8R	82.5	84.1	72.3
05	Hyundai - 140 (LC - 9)	81.4	84.7	74.2
06	Tata - 200 Bracker	83.5	80.2	70.5
CHORBEDI MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07	Temporary Discontinued - Not Running during visit	---	---	---

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

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

Calibration done on : 12/09/2020

Royal Environment Auditing & Consultancy Service



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Analyst

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Ref No : 497/01/2020-21

Date : 31/01/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 13/01/2021

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	44.2
02	Chorbedi Mines Adm. Building	49.8	37.6
03	Pachhtar and Pachhtardi Mines Adm. Building	50.3	38.5

CPCB Standards

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

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

Instruments used : Sound level meter, model : SL-4001 (Lutron Make)

Calibration done on : 12/09/2020

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



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Ref No : 397/12/2020-21

Date: 31/12/2020

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 17/12/2020

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	53.4	43.1
02.	Chorbedi Mines Adm. Building	48.9	39.5
03.	Pachhtar and Pachhtardi Mines Adm. Building	51.2	41.5

CPCB Standards

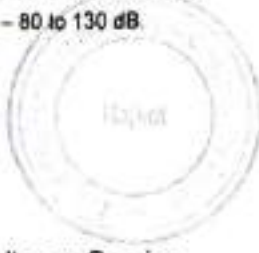
Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

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

Instruments used: Sound level meter, model : SL- 4001, (Lutron Make)

Calibration done on : 12/09/2020

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



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Ref. No : 398/12/2020-21

Date: 31/12/2020

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 17/12/2020

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBA		
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
01	Dozer D8 - N (CAT)	81.5	81.5	70.3
02	Hyundai - 140 Excavator	84.3	82.2	75.2
03	Tata - 200 Excavator	81.4	85.2	71.2
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04	Dozer D - 8R	83.4	85.2	70.2
05	Hyundai - 140 (LC - 9)	82.5	85.8	75.3
06	Tata - 200 Bracker	84.5	81.2	71.4
CHORBEDI MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07	Temporary Discontinued - Not Running during visit	---	---	---

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

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

Calibration done on : 12/09/2020

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Ref. No. : 297/11/2020-21

Date: 30/11/2020

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 11/11/2020

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01.	GOP Mines Adm. Building	52.5	44.2
02.	Chorbedi Mines Adm. Building	49.8	38.4
03.	Pachhtar and Pachhtardi Mines Adm. Building	52.3	40.6

CPCB Standards

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

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

Instruments used : Sound level meter, model : SL- 4001. (Lutron Make)

Calibration done on : 12/09/2020

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



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Ref No. 298/11/2020-21

Date: 30/11/2020

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

Distnct : Jamnagar

Sampling Date : 11/11/2020

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBA		
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
01	Dozer D8 - N (CAT)	82.4	82.4	71.2
02	Hyundai - 140 Excavator	85.2	83.1	70.5
03	Tata - 200 Excavator	82.5	80.4	72.3
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04	Dozer D - 8R	84.5	80.4	71.3
05	Hyundai - 140 (LC - 9)	83.4	80.3	70.2
06	Tata - 200 Bracker	85.4	82.5	72.5
CHORBEDI MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07	Temporary Discontinued - Not Running during visit	---	---	---

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

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

Calibration done on : 12/09/2020

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Ref No : 198/10/2020-21

Date: 17/10/2020

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140,

District : Jamnagar.

Sampling Date : 12/10/2020

Sr. No.	Location of Sampling	dB(A)		
Permissible Limits for 8:00 Hrs.		90 dBA		
GOP MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
01.	Dozer D8 - N (CAT)	83.5	80.3	72.3
02.	Hyundai - 140 Excavator	86.3	84.2	71.4
03.	Tata - 200 Excavator	83.4	81.5	70.2
Pachhtar and Pachhtardi Mines		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
04.	Dozer D - 8R	85.6	81.5	72.4
05.	Hyundai - 140 (LC - 9)	84.3	81.2	71.2
06.	Tata - 200 Bracker	86.3	80.4	70.4
CHORBEDI MINES		Inside Cabin	15 Mtr. Away from m/c.	50 Mtr. Away from m/c.
07.	Temporary Discontinued - Not Running during visit	---	---	---

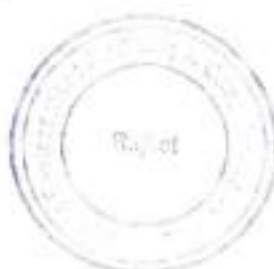
Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

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

Calibration done on : 12/09/2020

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Ref No: 197/10/2020-21

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REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date: 12/10/2020

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 06:00 AM to 10:00 PM	Night Time 10:00 PM to 06:00 AM
01	GOP Mines Adm. Building	51.6	43.1
02	Chorbedi Mines Adm. Building	48.7	39.5
03	Pachhtar and Pachhtardi Mines Adm. Building	51.1	41.5

CPCB Standards

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

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

Instruments used: Sound level meter, model: SL-4001 (Lutron Make)

Calibration done on: 12/09/2020

Range: (A) - 30 to 80 dB, (B) - 50 to 100 dB, (C) - 60 to 120 dB



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Analyst

GOP (COMPOSITE) LIMESTONE MINES
YEARLY EXPENDITURE STATEMENT
FOR ENVIRONMENT MANAGEMENT
 For the period of 2020-21

S. NO.	WORK	Expenditure in Rs From April 20 to March 21
1	Ambient Air & Noise Monitoring	39300
2	Water Sprinkling on haul roads	180000
3	Purchasing of Sapling	40750
4	Purchasing of Soil	20000
5	Plantation charge	438300
6	Recurring Expenses for Security and Maintenance of Plantation	258000
	Total	976350

