



By Email

Pachdi/MoEF/HYC/A/302/2557

Date: 27.11.2021

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

Subject: Submission of 6 monthly compliance report of the conditions as laid down Environmental Clearance vide letter No J-11015/240/2016-IA. II (M), dated 16/10/2020 in respect of **Pachhtardi Limestone Mines**, pertaining to Shree Digvijay Cement Co Ltd. for the period of **April 2021 to September 2021**.

Sir/Madam,

As required, we are submitting herewith Point wise compliance status to various stipulations, as laid-down in Environmental Clearance letter No. J-11015/240/2016-IA. II (M), dated 16/10/2020 with supporting documents, is being enclosed with the following Annexure:

- | | |
|--|---|
| 1. Environment Statement in Form V | : Annexure A |
| 2. Ambient Air Quality Reports | : Annexure B |
| 3. Noise Level | : Annexure C |
| 4. Environment Yearly Expenses Statement | : Annexure D NA as the mines is yet to start. |

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

Thanking you,

Yours faithfully,
For SHREE DIGVIJAY CEMENT CO. LTD.

Anil Kumar Nigam
Sr. General Manager (Mines)

Enclosures - As Above

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

PACHHTARDI LIMESTONE MINE

STATUS OF COMPLIANCE

Period: April- 2021 to September 2021

Point wise compliance status to various stipulations as laid down in the Environmental Clearance letter No. J-11015/240/2016-IA. II (M) dated 16.10.2020:

SI	CONDITIONS	COMPLIANCE STATUS
A.	Specific conditions:	
i.	The Project proponent shall undertake the plantation in 7.5 m width all along the boundary of the mining lease including stone parapet walls of 1.5' X 5' dimension shall all along the ML boundary and avenue plantation on either side of the village road within the first year of the commencement of mining operations with a native, broad leaved tree sapling of not less than 12 feet height and maintenance of the same shall be carried.	Noted. It shall be complied immediately on commencement of Mining operations.
ii.	The project proponent shall take all precautions to see that there is no impact on school function till it is shifted to new agreed premises in a time bound manner within 2 years from the date of opening of mine. A safe distance of 300 meters should be maintained from the school, in which there should not be mining. In the mining area adjacent to 300 meters boundary, mining should be carried out without use of explosives and with controlled mining activities, so that the school activities are not affected due to noise, vibration and dust. Construction of new school building should be started as early as possible and all efforts should be made to see that school in new premises as agreed by Panchayat begins immediately after that.	Noted. Shall take precautions. Noted. Safe distance shall be maintained as well as precautions /measures shall be taken to avoid any disturbance to normal functioning of the School activities. Noted. Construction of new school building shall be started as early as possible.
iii.	No drilling and blasting shall be carried. Mining shall be carried, as proposed by the PP, by using Surface Miner with loader combination or by Ripper dozer and Excavator combination.	There shall not be carried any drilling and blasting.

SI	CONDITIONS	COMPLIANCE STATUS
iv.	The project proponent shall implement the conservation plan for Schedule-I species reported namely, Indian Peafowl, Leopard, monitor lizard in consultation with State Forest Department including the recommendations of the Chief wildlife warden.	Noted and shall be complied.
v.	The project proponent shall implement the measures suggested in the EIAIEMP report inter alia, including Dust control measures, Garland drains, plantation along the boundary and avenue plantation, Reclamation / Rehabilitation of mined out area, etc.	Noted. Shall be implemented as soon as mining starts.
vi	The project proponent undertakes the activities proposed under Corporate Environmental Responsibility (CER) as per the guidelines of Ministry's OM dated 1st May, 2018.	Noted.
B.	Standards conditions:	
I	Statutory compliance	
1)	This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Noted.
2)	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Noted.
3)	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Noted.
4)	The Project Proponent shall follow the mitigation measures provided in MoEF& CC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Noted.
5)	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal	Copy of clearance letter was handed over to all concerned Panchayat.

SI	CONDITIONS	COMPLIANCE STATUS
6)	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	SPCB displayed the copy of EC as per procedure.
7)	The project authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF& CC Regional Office for compliance and record.	We have advertised in two local newspapers dated 22.10.2020 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) Divya Bhaskar - Rajkot edition.
	 The image shows two documents. On the left is a 'PUBLIC NOTICE' from the Ministry of Environment, Forest and Climate Change, Government of India, New Delhi. It informs that the Ministry has accorded Environmental Clearance to the Pachhadi Limestone Mining Project of Shree Digvijay Cement Company Limited. The notice includes details about the project location (Pachhadi, Taluka: Bharwad, District: Devbhumi Dwarka) and the date of the letter (16-10-2020). It also states that a copy of the clearance letter is available with the Gujarat Pollution Control Board and can be seen at the website of the Ministry of Environment, Forest and Climate Change. On the right is a newspaper advertisement from 'જામનગર 22-10-2020' (Jamnagar 22-10-2020). The ad is titled 'જાહેર સુચના' (Public Notice) and contains the same information as the public notice, mentioning the project and the availability of the clearance letter.	
8)	The Project Proponent shall inform the MoEF &CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Noted.
9)	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/201901PCI/I,	Noted. Shall be done.

SI	CONDITIONS	COMPLIANCE STATUS
	dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site	
10)	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEF & CC/ Central Pollution Control Board.	Noted.
III.	Water quality monitoring and preservation	
11)	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF & CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro- geological study of the area	No intersection of water table at any stage. NOC from CGWA has been obtained.
12)	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department I State Pollution Control Board.	Noted.
13)	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be	Noted.

SI	CONDITIONS	COMPLIANCE STATUS
	provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEF& CC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis	
14)	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-2001211/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Noted.
15)	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF& CC annually.	Shall be done.
16)	Industrial wastewater (workshop and wastewater from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Noted.
17)	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Noted.

SI	CONDITIONS	COMPLIANCE STATUS
IV.	Noise and Vibration Monitoring and Prevention.	
18)	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Noted.
19)	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.	Noted.
20)	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.	Noted.
V.	Mining plan	
21)	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).	Review of Mining Plan has been approved on 28.01.2021. We shall adhere to approved mining plan,
22)	They shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.	Noted.
VI	Land Reclamation	
23)	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be	Noted.

SI	CONDITIONS	COMPLIANCE STATUS
	kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	
24)	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Noted.
25)	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly	Noted.
26)	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	Noted.
VII.	Transportation	
27)	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing	Noted

SI	CONDITIONS	COMPLIANCE STATUS
	village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport]	
28)	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	Noted
VIII	Green Belt	
29)	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan	Noted
30)	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered the density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Noted
31)	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are	Noted

SI	CONDITIONS	COMPLIANCE STATUS
	coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	
IX.	Public Hearing and Human Health	
32)	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic wastewater should be treated with STP in order to avoid contamination of underground water.	Noted
X	Corporate Environment Responsibility	
33)	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF& CC annually along with audited statement	Noted
XI.	Miscellaneous	
34)	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF& CC.	Noted
35)	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work	Noted. Copy of Notice of opening of mines shall be sent.
36)	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & it concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Six Monthly reports are being submitted in Hard copies as well as via email to RO, MoEF, Bhopal and GPCB.

SI	CONDITIONS	COMPLIANCE STATUS
37)	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF& CC.	Separate Environmental Management Cell' with suitable qualified manpower already set-up under the control of a Senior Executive.
38)	The concerned Regional Office of the MoEF& CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF& CC officer(s) by furnishing the requisite data / information / monitoring reports.	Noted. Full co-operation shall be extended to the authorities / officials by providing data information/ monitoring report etc.
39)	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Noted.
25.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
26.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act, 1986.	Noted.
27.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	Noted.
28.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

FORM V

Environment Audit Report for the financial year ending the 31st March 2021

PART – A

1. Name & Address of the Owner/
Occupier of the Industry
Operation or process : **Shree Digvijay Cement Co. Ltd.
Pachhtardi Limestone Mine
Survey No.78/P (Old) & 141 & 208 (New),
Village- Pachhtardi, Taluka- Bhanvad,
Distt. Devbhoomi Dwarka (Gujarat)**
2. Industry Category :
Primary: (STC Code) **Mining Industry**
Secondary: (SIC Code)
3. Production Capacity : **3.5 Lakh tons/Annum**
4. Year of Establishment :
5. Date of the last Environmental
Statement submitted : **NA**

PART – B

Water & Raw Material Consumption

(i) * Water consumption MP / day

Process	:	0
Cooling	:	0
Domestic (Drinking)	:	0 L
Dust Suppression	:	0 L
Plantation	:	0 L

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

Name of products	Process water consumption per unit of product	
	During previous Financial Year 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	Nil	Nil
2	Ammonium nitrate		Nil	Nil
3	Detonating Fuse		Nil	Nil
4	Safety Fuse		Nil	Nil
5	Detonator		Nil	Nil
6	Cord Relays		Nil	Nil
7	HSD		0 L	0 L
8	Lubricant oil		0 L	0 L
9	Grease		0 Kg	0 Kg

PART – C

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

	Pollutants	Qty. of pollutants discharged (Kg/Day)	Concentration of pollutants in discharges (Mg/Nm ³)	Percentage of variation from prescribed standard with reasons
(a)	Water	Nil.		
(b)	Air	Enclosed Annexure-1		
		--	--	--
		--	--	--
		--	--	--

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

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

PART – D

Hazardous Wastes

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

Hazardous Wastes		Total Quantity (Kg.)	
		During the previous Financial Year (2019-20)	During the current Financial Year (2020-21)
(a)	From Process (Used Oil from Machines)	0 L	0 L
(b)	From pollution control facilities	-	-

PART – E

(Solid Wastes)

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

PART – F

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

The used oil when ever taken out of machine at oil change time, it shall be collected in an empty barrel. This oil shall be 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 shall plant trees in the mines.

PART – H

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

Following control measures were being used for reducing dust in mines.

Use of Ripper Dozer – Use of Eco-friendly Ripper Dozer

Machine shall be used shortly at Pachhtardi Mines which is having following advantages:

1. It is an Eco-friendly machine.
2. Machine is provided with AC Cabin which protects the operator from dust, noise & heat
3. Mined out floor is shall be in perfectly level and under - footing condition is extremely good.
4. The road conditions become very good which ultimately reduce the diesel consumption of dumpers / trucks plying on the road. Hence the generation of noxious fumes is also reduced.

Other measures -

5. Dust suppressed on haul road by water sprinkling.
6. Fumes and smoke emissions from HEMM controlled by regular maintenance and timely overhaul of engines.
7. Tarpaulin covering on the transporting vehicle before leaving the mine site.
8. AAQ monitoring is done on regular basis. Contract awarded to Royal Environment Auditing and Consultancy Services, Rajkot and reports shall be 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 shall be done in mines in this monsoon period.

2. Sense of creating & maintaining clean environment among the employees, keeping slogan boards on environment etc.

Date: 22.05.2021

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



Name: MALAYA KUMAR ROUT
Designation: Manager (Mines)
Address: Shree Digvijay Cement Co. Ltd.
P.O. Digvijaygram- 361140
(Via) Jamnagar, Gujarat



Royal

Environment Auditing & Consultancy Service

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

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

Annexure - B

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	08/04/2021	08/04/2021	09/04/2021	09/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	1 to 12	1 to 12	1 to 12	1 to 12
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	35	38	23	32.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	55	50	42	49.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.5	13.5	12.2	12.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	22.2	19.3	21.9

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

Calibrate Done on : 17/05/2020

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	09/04/2021	09/04/2021	10/04/2021	10/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 18	3 to 18	3 to 18	3 to 18
05.	Average flow rate during sampling	m3/minutes	1.20	1.20	1.20	1.20
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	40	38	34	37.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	70	77	58	68.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.5	13.8	12.2	13.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.5	22.3	24.0

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

Calibrate Done on : 17/06/2020

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

Date: 30/04/2021

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

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

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	09/04/2021	09/04/2021	10/04/2021	10/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	6 to 15	6 to 15	6 to 15	6 to 15
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	48	42	35	41.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	77	88	65	76.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.3	15.5	13.2	14.3
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.4	20.3	23.3

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

Calibrate Done on : 17/06/2020

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	09/04/2021	09/04/2021	10/04/2021	10/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km/Hrs.	3 to 14	3 to 14	3 to 14	3 to 14
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	36	38	32	35.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	74	87	65	75.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	16.2	11.5	13.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	26.7	22.5	24.8

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

Calibrate Done on : 17/06/2020

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	36	30	33.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	54	56	50	53.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	16.1	17.3	11.5	15.0
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	23.3	19.5	22.4

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

Calibrate Done on : 17/06/2020



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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05.	Average flow rate during sampling	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	34	35	33	34.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	62	73	58	64.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.2	15.3	11.4	13.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.5	20.3	19.5	20.4

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

Calibrate Done on : 17/08/2020

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140,

District : Jamnagar,

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km/Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05.	Average flow rate during sampling	m ³ /minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	40	35	36	37.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	77	73	66	72.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.2	12.4	15.5	14.0
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	22.2	23.3	20.5	22.0

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

Calibrate Done on : 17/06/2020

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

Date: 30/04/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	23/04/2021	23/04/2021	24/04/2021	24/04/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	44	40	42	42.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	64	72	58	64.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	14.2	12.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	24.3	23.3	24.3

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	10/05/2021	10/05/2021	11/05/2021	11/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km/Hrs.	2 to 12	2 to 12	2 to 12	2 to 12
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	33	36	25	31.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	57	52	44	51.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.6	12.4	11.6	12.5
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	20.1	18.5	20.7

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 18	2 to 18	2 to 18	2 to 18
05.	Average flow rate during sampling	m3/minutes	1.10	1.10	1.10	1.10
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	38	42	38	38.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	72	75	60	69.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	14.1	12.7	13.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	25.4	23.8	24.2

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	5 to 15	5 to 15	5 to 15	5 to 15
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	46	40	38	41.3
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	75	66	63	74.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.1	16.4	12.3	14.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.1	23.5	21.1	22.9

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	11/05/2021	11/05/2021	12/05/2021	12/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	4 to 14	4 to 14	4 to 14	4 to 14
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	36	35	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	72	85	63	73.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	15.1	13.8	13.8
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	27.5	21.4	24.1

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

Calibrate Done on : 17/09/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NE	NE	NE	NE
04.	Average Wind Speed	Km/Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	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	34	36	34.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	52	54	58	54.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	15.1	18.2	12.5	15.3
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.4	21.1	18.4	21.0

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	---	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	32	38	35	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60	71	56	62.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	13.5	14.1	12.5	13.4
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	20.4	21.5	21.3	21.1

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	38	33	34	35.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	75	71	68	71.3
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.5	14.3	14.8	13.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	21.3	20.5	21.6	21.1

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

Calibrate Done on : 17/06/2020

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

Date: 31/05/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	---	21/05/2021	21/05/2021	22/05/2021	22/05/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	----	NW	NW	NW	NW
04.	Average Wind Speed	Km./Hrs.	2 to 13	2 to 13	2 to 13	2 to 13
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	42	44	45	43.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	60	70	55	61.7
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.6	13.1	15.3	13.7
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	23.5	25.8	21.1	23.5

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

Calibrate Done on : 17/06/2020

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Ref. No. 593/06/2021-22

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	11/06/2021	11/06/2021	12/06/2021	12/06/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	SW	SW	SW	SW
04.	Average Wind Speed	Km./Hrs.	3 to 12	3 to 12	3 to 12	3 to 12
05.	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	35	34	29	32.7
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	59	54	46	53.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	12.8	13.4	12.5	12.9
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	25.3	21.1	19.4	21.9

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

Calibrate Done on : 17/06/2020

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Ref No : SP4/06/2021-22

Date : 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	14/06/2021	14/06/2021	15/06/2021	15/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	3 to 18	3 to 18	3 to 18	3 to 18
05	Average flow rate during sampling	m3/minutes	1.20	1.20	1.20	1.20
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	40	38	38.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	70	73	62	68.3
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.8	13.6	12.1	12.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	20.6	21.1	22.7	21.5

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

Calibrate Done on : 17/06/2020

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

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	----	14/06/2021	14/06/2021	15/06/2021	15/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	4 to 15	4 to 15	4 to 15	4 to 15
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	48	42	36	42.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	73	84	61	72.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.2	14.6	13.5	14.1
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.2	21.5	23.8	22.8

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

Calibrate Done on : 17/06/2020

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Ref No: 596/06/2021-22

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	---	14/06/2021	14/06/2021	15/06/2021	15/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	5 to 14	5 to 14	5 to 14	5 to 14
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	38	33	35.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	68	81	60	69.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.5	14.2	12.7	12.8
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	22.7	25.7	18.5	22.3

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

Calibrate Done on: 17/06/2020

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

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Buffer Zone = 1. Pachhtar Village			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01.	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
02.	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03.	Dominant Wind Direction (From)	—	SE	SE	SE	SE
04.	Average Wind Speed	Km./Hrs.	1 to 13	1 to 13	1 to 13	1 to 13
05.	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06.	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07.	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08.	Measured Concentration of PM 2.5	µg/m ³	34	38	30	34.0
09.	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10.	Measured Concentration of PM 10	µg/m ³	58	50	54	54.0
11.	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12.	Measured Concentration of SO ₂	µg/m ³	11.5	12.6	13.8	12.6
13.	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14.	Measured Concentration of NO ₂	µg/m ³	24.3	20.6	14.8	19.9

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

Calibrate Done on : 17/06/2020

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Ref. No : 655/06/2021-22

Date : 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar

Sr. No.	Particulars	Unit	Core Zone = 1. Near Weigh Bridge			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05	Average flow rate during sampling	m3/minutes	1.10	1.20	1.20	1.17
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	30	36	38	34.7
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	58	68	54	60.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	14.6	15.2	11.4	13.7
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.3	22.6	23.1	22.3

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

Calibrate Done on : 17/06/2020

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Ref No: 656/06/2021-22

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 2. Near Loading area			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	—	24/06/2021	24/06/2021	25/06/2021	25/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	—	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	36	31	38	35.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	73	69	64	68.7
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	15.5	13.4	15.7	14.9
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	23.1	21.6	22.5	22.4

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

Calibrate Done on: 17/06/2020

Royal Environment Auditing & Consultancy Service

Jagdish
Analyst



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Ref No: 657/06/2021-22

Date: 30/06/2021

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

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sr. No.	Particulars	Unit	Core Zone = 3. Mines Office			Average Result of 24 Hrs.
			1 st 8:00 Hrs.	2 nd 8:00 Hrs.	3 rd 8:00 Hrs.	
01	Date of sampling	---	24/06/2021	24/06/2021	25/06/2021	25/06/2021
02	Duration of Sampling	Hrs.	8.00	8.00	8.00	24.00
03	Dominant Wind Direction (From)	---	SW	SW	SW	SW
04	Average Wind Speed	Km./Hrs.	3 to 13	3 to 13	3 to 13	3 to 13
05	Average flow rate during sampling	m3/minutes	1.20	1.10	1.10	1.13
06	Average flow rate for Gas sampling	LPM	2.0	2.0	2.0	2.0
07	Permissible Limits of PM 2.5	µg/m ³	60	60	60	60
08	Measured Concentration of PM 2.5	µg/m ³	40	42	47	43.0
09	Permissible Limits of PM 10	µg/m ³	100	100	100	100
10	Measured Concentration of PM 10	µg/m ³	62	68	59	63.0
11	Permissible Limits of SO ₂	µg/m ³	80	80	80	80
12	Measured Concentration of SO ₂	µg/m ³	11.5	12.3	13.6	12.5
13	Permissible Limits of NO ₂	µg/m ³	80	80	80	80
14	Measured Concentration of NO ₂	µg/m ³	21.6	28.5	20.6	23.6

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

Calibrate Done on: 17/06/2020

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Annexure - C

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

Date: 30/04/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Shree Digvijay Cement Company Limited

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/04/2021

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

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

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

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

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

Calibration done on : 12/09/2020



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

Date: 31/05/2021

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

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 11/05/2021

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

CPCB Standards

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

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

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

Calibration done on : 12/09/2020

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

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Ref. No. 597/06/2021-22

Date: 30/06/2021

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

Digvijaygram - 361 140.

District : Jamnagar.

Sampling Date : 10/06/2021

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

CPCB Standards

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

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

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

Calibration done on : 12/09/2020

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

Royal Environment Auditing & Consultancy Service

Jagdish
Analyst