

Through E-mail

SDCCL/ENV/2024-25/ F – 45 / 02

Date: 22.11.2024

To,
Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, A wing- 407 & 409,
Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar-382010
Mail Id: iro.gandhingr-mefcc@gov.in

Subject: Submission of Six-Monthly Environmental Clearance compliance report for Expansion of Cement Plant (1.20 MTPA to 3.00 MTPA) and Clinker (1.10 MTPA to 2.21 MTPA) with 8.5 MW WHRS in 48.71 ha by M/s. Shree Digvijay Cement Company Ltd., located at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat for the period of April 2024 to September 2024.

Ref: EC Letter No. IA-J-11011/409/2019-IA-II(IND-I) Dated: 21st April 2023.

Dear Sir,

This has reference to above subject matter, we are herewith submitting the Six-Monthly compliance report of stipulated conditions as laid down in Environmental Clearance for the period of April 2024 to September 2024.

This is for your kind information and record please.

Thanking you,

Yours faithfully,
For Shree Digvijay Cement Co. Ltd.


Authorized Signatory



Cc:

- 1. Member Secretary,**
Gujarat Pollution Control Board, Sector 10-A, Paryavaran Bhavan, Gandhinagar – 382 010
Mail id: membersecretarygpcb@gmail.com, ms-gpcb@gujarat.gov.in
- 2. Regional Officer,**
Gujarat Pollution Control Board, JADA Building, Sardar Patel Bhavan, Kasturba Gandhi Road, Opp. TB Hospital, Jamnagar – 361 005, Mail id: ro-gpcb-jamn@gujarat.gov.in
- 3. Regional Director,**
Central Pollution Control Board,
Parivesh Bhawan, Opp. Ward No. 10 VMC Office Subhanpura, Vadodara – 390 023
Mail Id: prasoon.cpcb@nic.in

Shree Digvijay Cement Company Limited

P.O. Digvijaygram - 361140, Sikka, District – Jamnagar, Gujarat

Environment Clearance No. IA-J-11011/409/2019-IA-II(IND-I) Dated: 21st April 2023.

EC Identification No. EC23A009GJ110379



**KAMAL
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HALF-YEARLY COMPLIANCE STATUS REPORT OF ENVIRONMENTAL CLEARANCE FOR EXPANSION OF CEMENT PLANT (1.20 TO 3.00 MTPA) AND CLINKER (1.10 TO 2.21 MTPA) WITH 8.5 MW WHRS LOCATED IN 48.71 HA, M/S. SHREE DIGVIJAY CEMENT COMPANY LTD., LOCATED AT P.O.: DIGVIJAYGRAM, SIKKA, DISTRICT: JAMNAGAR, GUJARAT.

(Period of Compliance status: 1st April 2024 to 30th September 2024)

SN	Conditions	Compliance Status
A. Specific conditions:		
(i)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted & agreed
(ii)	The PP shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Being Complied. We have been taken following steps for environmental protection for our existing Plant and same measures will be implemented during execution of proposed expansion project: <u>Air Quality Management: -</u> • Silos for storage of Clinker, Fly Ash, Cement. • Covered Conveyer belts for raw material movement. • Fly Ash transportation through bulker. • Mechanical Road sweeping vehicles (For road Cleaning). • Bag filters at the belt transfer points. • APCM are installed in Raw Mill & Kiln, Coal Mill, Cement Mill & Coler ESP. • Retrofit system installed in standby DG.  Clinker Silo Raw Mill Silo Fly Ash Silo  Coal Covered storage shed

Shree Digvijay Cement Company Limited

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Limestone covered storage Shed



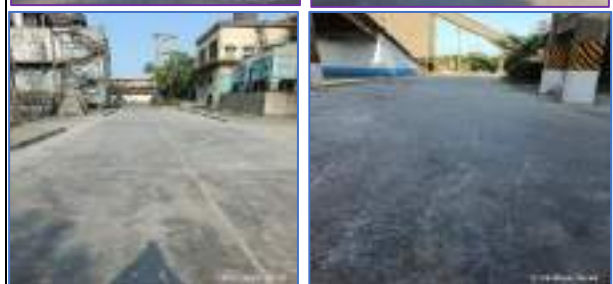
Cement Silos



Closed Conveyor belt for clinker



Closed conveyor belt for Raw materials



Internal Roads



Fly ash transportation through bulker & unloading.



APCM in Raw Mill Bag House & Coal Mill Bag House



Mechanical Road sweeping vehicles utilization for road cleaning

Water Quality Management:

- Developed 3 nos. rainwater harvesting ponds for recharge the ground water table.
- STP for domestic wastewater treatment.
- WTP for WHRS.



Rainwater harvesting ponds

		 STP 300 KLD  WTP installed in WHRS Noise Quality Management: • Acoustically encloser room for compressor house. • Acoustic enclosure for D.G. set. • The regular checking/maintenance of machineries are being done to reduce/control noise generation from/at the sources.
(iii)	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Noted and compliance assured.
(iv)	Sikka (10 m, East to North), Nimaz Colony (20 m, South west), Mungni village (750m, South) and GSECL (TPS) colony (400 m, South East) falls within 10 km radius study area of the project site. Also, there are two schools present adjacent to the project site namely SDDCL Public School (arial 20 m from plant boundary) and SDDCL Pre Primary & Primary School (arial 45 m from plant boundary). Project Proponent shall implement appropriate environmental safeguard measures to minimise the impact including dense vegetation/plantation around the schools. The PP shall also include some of these locations in its environmental monitoring programme.	Being complied. SDCCL has developed greenbelt around the schools and regular plantation is carried out. <i>Photographs are enclosed.</i> 



		
(v)	As committed, PP shall adopt village Digvijaygram and implement Village Adoption program consisting of need-based community development activities, to develop into model village.	Being Complied.
(vi)	A seasonal nala enters through the SSE direction into the plant boundary and exits in south western direction and covers a short distance of 375 m in the south side of plant area. Gulf of Kachchh is at a distance of 0.5 km in the NW direction. The EAC is of the opinion that as submitted a robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Noted and compliance assured along with execution of proposed expansion project.
(vii)	The water requirement of 240 m ³ /day after expansion is proposed to be obtained from ground water. Necessary permissions shall be obtained from the Competent Authority in this regard. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.	Noted and compliance assured.
(viii)	Three tier Green Belt shall be developed in at least 33% of total project area by 2023-24 as per the submitted action plan with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Gap filling of existing plantation shall be undertaken and survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy alongwith windshield inside the plant premises to act as green barrier for air pollution & noise levels towards nearby habitation and schools. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	Being complied. Noted and compliance assured. Green belt development is continuous process. 

Shree Digvijay Cement Company Limited

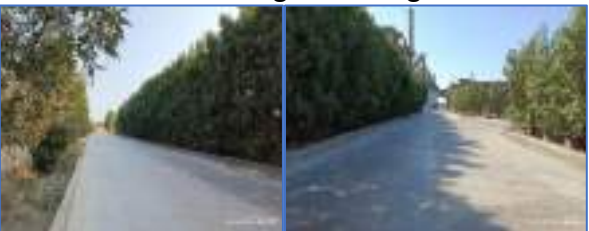
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(ix)	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Being Complied and compliance assured. (Greenbelt development & paving works are continuous progress.  Greening & Paving  Greening & Paving

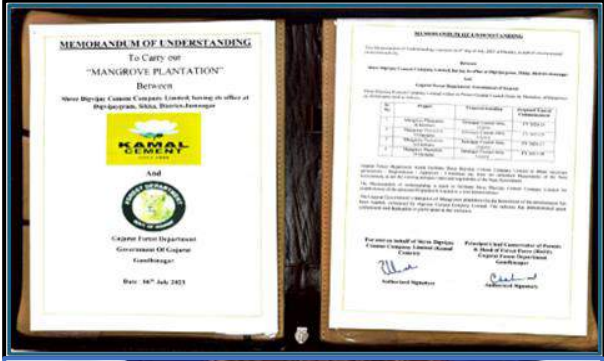
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(x)	PP shall undertake conservation of mangroves as per the submitted action plan.	Noted and compliance assured. MOU with Govt. of Gujarat for Mangrove plantation – 40 ha. Has been signed on 06-07-2023 as a part of Prime Minister's MISHTI (Mangrove Initiative for Shoreline Habitats and Tangible Incomes) scheme, in presence of Hon'ble Minister of Environment, Forest & Climate Change, GoI, New Delhi. Company has deposited Rs.3,77,480/- dated 07.08.2024 as per our MoU with Gujarat Forest Department under MISHTI Programme for Mangrove Plantation dated 06.07.2023 for Mangrove Plantation of 10 Hectare area in the year of 2024-25.  
(xi)	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. MSW waste shall be treated in digester and recovered	Noted and compliance assured. The proposed expansion project is designed as "Zero Liquid Discharge" Plant. WTP is installed at WHRS. STP 300 KLD is installed for domestic effluent treatment.

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	gas shall be used in the canteen.	 WTP installed in WHRS  STP 300 KLD
(xii)	The PP shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.	Being complied We have made 3 nos rainwater harvesting structures inside the company premises as below mentioned. 1. Near Primary School 2. Behind Kalyan Kendra 3. Behind Six Bungalow   
(xiii)	All stockyards shall be having impervious	Noted and compliance assured.

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	flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.	
(xiv)	All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.	Being Complied 
(xv)	Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.	Being complied. Compliance status report of annual Performance monitoring of pollution control equipment report 2023-24 is enclosed as Annexure-1.
(xvi)	Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.	Being complied. Reports enclosed as Annexure-2.
(xvii)	Particulate matter emissions from all the stacks shall be less than 30 mg/Nm3 .	Being Complied Stack PM emission monitoring data (period April-September 2024) is mentioned as below mentioned.

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		<table><tr><th>S. No.</th><th>Location of Stack</th><th>PM (mg/Nm³) (AVG)</th></tr><tr><td>1</td><td>Raw Mill & Kiln</td><td>14.48</td></tr><tr><td>2</td><td>Cement Mill</td><td>11.17</td></tr><tr><td>3</td><td>Coal Mill</td><td>13.17</td></tr><tr><td>4</td><td>Cooler ESP</td><td>14.57</td></tr></table>	S. No.	Location of Stack	PM (mg/Nm ³) (AVG)	1	Raw Mill & Kiln	14.48	2	Cement Mill	11.17	3	Coal Mill	13.17	4	Cooler ESP	14.57
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4	Cooler ESP	14.57															
(xviii)	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.	Being Complied DeSOx system is not applicable as the there is no pyritic sulphur in raw material which is main source of SO₂ emission in cement industry. SNCR (Selective non-catalytic reduction) system and Low NOx burner are installed to reduce the NOx emission and achieved the result below 600 mg/Nm3. SO₂ and NOx average results (period April-September 2024) are mentioned as under. <table><tr><th rowspan="2">S. No.</th><th rowspan="2">Location of Stack</th><th colspan="2">AVG Result</th></tr><tr><th>SO₂ (mg/Nm³)</th><th>NOx (mg/Nm³)</th></tr><tr><td>1</td><td>Raw Mill & Kiln</td><td>17.30</td><td>369.53</td></tr></table>	S. No.	Location of Stack	AVG Result		SO ₂ (mg/Nm ³)	NOx (mg/Nm ³)	1	Raw Mill & Kiln	17.30	369.53					
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1	Raw Mill & Kiln	17.30	369.53														
(xix)	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.	Being complied.															
(xx)	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.	Being Complied We have monitored for find out the source of fluoride emissions in our Raw Mill & Kiln stack and the test result was not detected. Test report is enclosed as Annexure-3. So, no action is required for mitigation of fluoride emissions.															
(xxi)	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Being complied.															
(xxii)	Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented.	Noted and being complied.															
(xxiii)	All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.	Being Complied in existing Plant and compliance assured during execution of proposed expansion project. Compliance status of recommendations made in the risk assessment is enclosed as Annexure: 4.															



(xxiv)	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	Noted and compliance assured.
(xxv)	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Noted and compliance assured. Final recommendation of approved plan will be implemented in association with state forest department along with execution of proposed project.
(xxvi)	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	Being Complied. Already in practice and will continue to comply. The report along with photographs on the measures taken is enclosed as <u>Annexure-5.</u>
(xxvii)	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted	Being complied. Already in practice and will continue to comply. SDCCL has already adopted the clean air practices like installation of mechanical dust collectors, bag houses, electrostatic precipitators, combustion systems, condensers.

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	Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	 Raw Mill Bag House  Coal Mill Bag House  Cement Mill Bag House  Electrostatic Precipitator  SNCR system for NOx reduction  Condenser in WHRS
B. General conditions		
I. Statutory compliance:		
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted & compliance assured.
II. Air quality monitoring and preservation		



i.	The project proponent shall install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 th August, 2014 (Cement) and subsequent amendment dated 9thMay, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement); as amended from time to time; and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being complied. Continuous Emission Monitoring systems are installed in our existing plant for 24x7 monitoring and connected to SPCB & CPCB through online servers. Calibrations are also done through Labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. CEMS (PM & gaseous) calibration report (August 2024) is enclosed as Annexure-6 . CEMS are considered for all the major process stacks of expansion project. 																																								
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Being Complied and submitted the reports in Gujarat Pollution Control Board regularly.																																								
iii.	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.	Being Complied and submitted the reports in Gujarat Pollution Control Board regularly. Average test results are mentioned in below. <table><tr><th>Location</th><th>PM10 µg/M³</th><th>PM2.5 µg/M³</th><th>SO2 µg/M³</th><th>NOx µg/M³</th></tr><tr><td>Permissible Limit (µg/M³)</td><td>100</td><td>60</td><td>80</td><td>80</td></tr><tr><td>On the Terrace of Guest House</td><td>33.96</td><td>15.16</td><td>9.46</td><td>12.6</td></tr><tr><td>Near Loco Shed</td><td>41.6</td><td>17</td><td>10.43</td><td>14.96</td></tr><tr><td>At Village Sikka</td><td>52.5</td><td>23.3</td><td>12.46</td><td>17.01</td></tr><tr><td>Terrace of SDCCL Primary School</td><td>46.3</td><td>21.3</td><td>11.47</td><td>15.45</td></tr><tr><td>Terrace of Custom Office (Jetty)</td><td>45.3</td><td>18.16</td><td>11.67</td><td>13.96</td></tr><tr><td>At Project Area (New GU expansion)</td><td>48.33</td><td>20.67</td><td>11.02</td><td>15.12</td></tr></table>	Location	PM10 µg/M³	PM2.5 µg/M³	SO2 µg/M³	NOx µg/M³	Permissible Limit (µg/M³)	100	60	80	80	On the Terrace of Guest House	33.96	15.16	9.46	12.6	Near Loco Shed	41.6	17	10.43	14.96	At Village Sikka	52.5	23.3	12.46	17.01	Terrace of SDCCL Primary School	46.3	21.3	11.47	15.45	Terrace of Custom Office (Jetty)	45.3	18.16	11.67	13.96	At Project Area (New GU expansion)	48.33	20.67	11.02	15.12
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iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Being Complied. Monthly summary report of continuous stack emission, air quality monitoring, results of manual stack monitoring, manual monitoring of air quality and fugitive emissions are enclosed as Annexure-7 .																																								



v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Being complied in existing plant and compliance assured in expansion project.  <u>Raw Mill Bag House</u>  <u>Coal Mill Bag House</u>  <u>Cement Mill Bag House</u>  <u>Electrostatic Precipitator</u>
vi.	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	Being complied in existing plant and compliance assured in expansion project.
vii.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Being complied in existing plant and compliance assured in expansion project.
viii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Being complied.   
ix.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Being complied.  <u>Fly ash transportation through bulkers.</u>  <u>Covered conveyors.</u>

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x.	Provide wind shelter fence and chemical spraying on the raw material stock piles; and	Being complied in existing plant and compliance assured in expansion project. Wind shelters as covered storage sheds and tarpaulin coverings are being done for all raw material stockpiles. Water sprinklings are being carried out inside storage yards on regular basis.  Limestone covered storage Shed (wind shelter)  Coal covered storage shed (wind shelter)
xi.	Provide Low NOX burners as primary measures and SCR /NSCR technologies as secondary measure to control NOX emissions.	Complied. Low NOx burner and SNCR system are already in place.
xii.	Have separate truck parking area and monitor vehicular emissions at regular	Being Complied. Plant has separate truck parking area.

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	interval.	Company is engaging only valid certified vehicles as per Government Rules & Regulations.
xiii.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.	Being Complied. Covered conveyor belts are provided. Cement is being transported through bulkers, covered trucks / railway transport mode.  Covered conveyors   
xiv.	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.	Being Complied.
III. Water quality monitoring and preservation		
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 the August, 2014 (Cement) and subsequent amendment dated 9thMay, 2016 (Cement) and 10th May, 2016 (in case of Co-	Not applicable as no effluent is being generated while manufacturing of Cement.

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	processing Cement) as amended from time to time; and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall regularly monitor ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Being Complied. The ground quality is monitored twice a year (pre & post – monsoon) as per CGWA guidelines. As per CGWA NOC, one number of piezometer has been installed. The pre-monsoon ground water quality test report is enclosed as Annexure-8.
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Being Complied. Sewage Treatment Plant of 300 KLD is already installed for treatment of domestic wastewater.  STP
iv.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Noted and compliance assured.
v.	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Complied.  Water meters at the inlet
vi.	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Being complied. Our whole system is based on Zero liquid Discharge (ZLD). WTP has been installed in WHRS. STP has been installed for domestic sewerage treatment.
IV. Noise monitoring and prevention		
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-	Being complied. Noise quality test reports are enclosed as Annexure-9.



	monthly compliance report.																									
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Being complied. Already in practice and results are found under the prescribed standards.																								
V. Energy Conservation measures																										
i.	Waste heat recovery system shall be provided for kiln and cooler.	Complied. WHRS has been installed with capacity of 8.5 MW/Hr.																								
ii.	The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	Noted and compliance assured.																								
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Noted and compliance assured. Company is procuring the green energy (wind and solar) power through the Power Purchase Agreement (PPA).																								
iv.	Provide the project proponent for LED lights in their offices and residential areas.	Being complied.																								
VI. Waste management																										
i.	Used refractories shall be recycled as far as possible.	Being complied.																								
VII. Green Belt																										
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.	Being complied. We are utilizing the AFR materials in our system. WHRS has been installed for generating the greener fuel. We are also purchasing wind / solar power (green power) from Grid. Greenbelt has been developed in the plant premises and same is continuing. GHG emissions inventory for the FY 2023-24: <table border="1"> <thead> <tr> <th>Parameter</th><th>Unit</th><th>FY 2023-24</th></tr> </thead> <tbody> <tr> <td>Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)</td><td>Metric tonnes of CO₂ equivalent</td><td>8,67,201</td></tr> <tr> <td>Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)</td><td>Metric tonnes of CO₂ equivalent</td><td>39,923</td></tr> <tr> <td>Total Scope 1 and Scope 2 emissions (kg/tonne)</td><td>Kg CO₂ / t cement</td><td>678</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Parameter</th><th>Unit</th><th>FY 2023-24</th></tr> </thead> <tbody> <tr> <td>Total Scope 3 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)</td><td>Metric tonnes of CO₂ equivalent</td><td>3299.76</td></tr> <tr> <td>Total Scope 3 emissions per tonne of turnover</td><td></td><td>-</td></tr> <tr> <td>Total Scope 3 emission intensity (optional) – the relevant metric may be selected by the entity</td><td>kg CO₂ / t both</td><td>2.5</td></tr> </tbody> </table>	Parameter	Unit	FY 2023-24	Total Scope 1 emissions (Break-up of the GHG into CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , if available)	Metric tonnes of CO ₂ equivalent	8,67,201	Total Scope 2 emissions (Break-up of the GHG into CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , if available)	Metric tonnes of CO ₂ equivalent	39,923	Total Scope 1 and Scope 2 emissions (kg/tonne)	Kg CO ₂ / t cement	678	Parameter	Unit	FY 2023-24	Total Scope 3 emissions (Break-up of the GHG into CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , if available)	Metric tonnes of CO ₂ equivalent	3299.76	Total Scope 3 emissions per tonne of turnover		-	Total Scope 3 emission intensity (optional) – the relevant metric may be selected by the entity	kg CO ₂ / t both	2.5
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Total Scope 3 emission intensity (optional) – the relevant metric may be selected by the entity	kg CO ₂ / t both	2.5																								
ii.	Project proponent shall submit a study report within six months on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon	Noted & compliance assured.																								

Shree Digvijay Cement Company Limited

P.O. Digvijaygram - 361140, Sikka, District – Jamnagar, Gujarat

Environment Clearance No. IA-J-11011/409/2019-IA-II(IND-I) Dated: 21st April 2023.

EC Identification No. EC23A009GJ110379



	offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	
VIII. Public hearing and Human health issues		
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied. Company has implemented HIRA & Disaster Management Plan.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	Being complied. All workforces are provided with all required PPEs and heat resistance PPEs while working near high temperature work zone.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Being complied.
IX. Environment Management		
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Being complied.
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Complied. Company has approved Environmental Policy and enclosed as <u>Annexure-10.</u>
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Being Complied.

X. Miscellaneous		
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	The Environmental Clearance along with environmental conditions and safeguards has been advertised in local newspapers as • "Times of India" dated 26.04.2023 in English Language. • "Sandesh" dated 26.04.2023 in Gujarati Language.   Environmental Clearance along with environmental conditions and safeguards is displayed in Company's website as below mentioned. <u>Environmental-Clearance---Expansion-of-Cement-Plant-Clinker-with-WHRS.pdf</u>
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the environmental clearance have been submitted to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government within the stipulated time. Same is enclosed as <u>Annexure-11</u>.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Being Complied.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Being Complied. All parameters related to Ambient Air & stack emissions are displayed in display board & LED display board. Above are displayed in Company's website along with Six monthly EC compliance report.

Shree Digvijay Cement Company Limited

P.O. Digvijaygram - 361140, Sikka, District – Jamnagar, Gujarat

Environment Clearance No. IA-J-11011/409/2019-IA-II(IND-I) Dated: 21st April 2023.

EC Identification No. EC23A009GJ110379



**KAMAL
CEMENT**
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v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being Complied. The Form-V (2023-24) has been submitted in GPCB and displayed the same in company website. FORM-V-2023-24-CEMENT-PLANT.pdf
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Commencing the land development work has been intimated to Regional Office as well as the Ministry on 28.12.2023 vide our letter No. SDCCL/ENV/2023/24/F-02. Same is enclosed as <u>Annexure-12.</u>
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and compliance assured.
ix.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Noted and compliance assured.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and compliance assured.
xi.	The Regional Office of this Ministry shall	Noted and compliance assured.

Shree Digvijay Cement Company Limited

P.O. Digvijaygram - 361140, Sikka, District – Jamnagar, Gujarat

Environment Clearance No. IA-J-11011/409/2019-IA-II(IND-I) Dated: 21st April 2023.

EC Identification No. EC23A009GJ110379



	monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	
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Yours faithfully,
For **Shree Digvijay Cement Co. Ltd.**


Authorized Signatory



COMPLIANCE STATUS OF ENVIROENMNETAL AUDIT COMPLIANCE / AUDITOR RECOMMENDATIONS

Period: April 2023 to March 2024

Industry: Shree Digvijay Cement Company Limited.

Auditor: Shree M. & N. Virani Science College, Rajkot.

SL NO	ENV. AUDIT COMPLIANCE/AUDITOR RECOMMENDATIONS	COMPLIANCE STATUS
1	The company is advised to go for energy efficient appliances for saving energy.	VFDs, MVDs & SPRSs are being used in place of conventional controlling method for ID fans and FD fans applications. LEDs are being utilized for illumination purposes.
2	Company is sourcing solar / wind (hybrid) energy for plant operation.	Being complied and continuous process
3	The company is advised to see the feasibility to further reduce the PM level emission in the process as well as fuel stack.	We are doing the regular maintenance of all Air Pollution Control equipments to control the PM emissions.
4	The company is advised to reduce the fugitive emission by increasing water spraying as well as increasing dust collection from the road inside the plant premises as well as outside plant premises.	Company is utilizing the water tankers in regular interval to reduce of fugitive emissions and road sweeping machines are deployed on regular basis to clean the roads inside the plant premises and outside plant premises.
5	The company is advised to update the records of environmental parameters properly on the display board.	Record of environmental parameters already exist on the display board as per GPCB guidelines.
6	The company is advised to improve the housekeeping inside the plant premises as well as in the near surrounding areas.	Housekeeping activity is regularly conducted inside plant premises as well as surrounding areas with use of IVC & road sweeping machines.

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

**ISSUED TO:**

M/s. SHREE DIGVIJAY CEMENT CO LIMITED.,
VIA: JAMNAGAR, DIGVIJAYGRAM
JAMNAGAR-361140
INDIA.

Report Number : VLL/VLS/24/05409/001
Issued Date : 2024.07.10
P.O. Number : 4500055766
P.O Date : 08.04.2024

Page 01 of 01

Sample Particulars : **Stack Connected to Raw mill & Kiln**
Co Processing With : **Source Emission Monitoring During Co-Processing of Plastic Waste, Organic Spent Solvents.**

Sample Collection Date : 2024.06.13 Sample Registration Date : 2024.06.20
Analysis Starting Date : 2024.06.20 Analysis Completion Date : 2024.07.09
Test Required : PM, SO₂, NO_x, HCl, HF, CO, O₂, TOC, Hg, Cd+ Tl & its Compounds, and Total Metals.
Sample collected by Vimta Labs Ltd.

TEST REPORT

Sr. No.	Parameters	UoM	Method of Testing	Results	Limits as per MoEF&CC Notification GSR 497(E)
1	Diameter of stack	m	-	4.5	--
2	Area of Stack	m ²	-	15.91	--
3	Flue gas temperature	°C	-	165	--
4	Oxygen as O ₂	%	USEPA method-3a	10.9	--
5	Velocity	m/sec	USEPA method-2	8.12	--
6	Volumetric flow rate	Nm ³ /Sec		86.43	--
7	Particulate Matter as PM	mg/Nm ³	USEPA method-5	21.4	30
8	Sulphur Dioxide as SO ₂	mg/Nm ³	USEPA method -6	17.6	100
9	Oxides of Nitrogen NO _x as NO ₂	mg/Nm ³	USEPA method -7	587	1000
10	Hydrogen Chloride as HCl	mg/Nm ³	USEPA method -26	4.7	10
11	Hydrogen Fluoride as HF	mg/Nm ³	USEPA method -26	0.65	1.0
12	Carbon Monoxide as CO	mg/Nm ³	USEPA method-3a	20.3	100
13	Total Organic Compounds as TOC	mg/Nm ³	USEPA method -40 & MM5(10)	2.9	10
14	Mercury as Hg + their Compound	mg/Nm ³	USEPA method -29	<0.001	0.025
15	Cadmium + Thallium their Compound	mg/Nm ³		<0.001	0.05
16	Total Metals: Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds	mg/Nm ³		0.177	0.05

All the Values are represented at 10% O₂


Dr. Subba Reddy Mallampati
Manager-Environment

Vimta Labs Limited

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Driven by Quality. Inspired by Science.

ISSUED TO:**M/s. SHREE DIGVIJAY CEMENT CO LIMITED.,****VIA: JAMNAGAR, DIGVIJAYGRAM****JAMNAGAR-361140****INDIA.**

Report Number : VLL/VLS/24/05409/02

Issued Date : 2024.07.10

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Page 01 of 01

Sample Particulars : Stack Connected to Raw mill & Kiln
Co Processing With : Source Emission Monitoring During Co-Processing of Plastic Waste, Organic Spent Solvents.

Sample Collection Date : 2024.06.13 Sample Registration Date : 2024.06.20

Analysis Starting Date : 2024.06.20 Analysis Completion Date : 2024.07.09

Test Required : Dioxin & Furans (PCDD & PCDF)

Sample collected by Vimta Labs Ltd. Sample Outsourcing Registration number: AR-24-IR-063660-01

TEST REPORT

Sr. No.	Parameters	UoM	Method of Testing	Results
1	Diameter of stack	m	-	4.5
2	Area of Stack	m ²	-	15.91
3	Flue gas temperature	°C	-	165
4	Oxygen as O ₂	%	USEPA method-3a	10.9
5	Velocity	m/sec	USEPA method-2	8.12
6	Volumetric flow rate	Nm ³ /Sec		86.43
Congeners of PCDD & PCDF		UoM		Results
1	2378-TCDD	ng/Nm ³ , TEQ		0.0004
2	12378-PeCDD			0.0003
3	123478-HxCDD			0.0000
4	123678-HxCDD			0.0001
5	123789-HxCDD			0.0001
6	1234678-HpCDD			0.0000
7	OCDD			0.0000
8	2378-TCDF			0.0001
9	12378-PeCDF			0.0000
10	23478-PeCDF			0.0007
11	123478-HxCDF			0.0013
12	123678-HxCDF			0.0007
13	123789-HxCDF			0.0001
14	234678-HxCDF			0.0003
15	1234678-HpCDF			0.0000
16	1234789-HpCDF			0.0002
17	OCDF			0.0000
Total Dioxins & Furans (ng/Nm ³ , TEQ)				0.0043
Total Furans & Dioxins (ng/Nm ³ , TEQ Corrected to 10% O ₂ Concentration)				0.0042
Limits as per MoEF&CC Notification GSR 497(E)				0.1

Method of Testing: As per USEPA 23 A & 8290


Dr. Subba Reddy Mallampati
Manager-Environment



Royal

Environment Auditing & Consultancy Service

Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Annexure-3

Ref. No. : 114/09/2023-24

Date : 30/09/2023

REPORT OF STACK EMISSION ANALYSIS

Name of Company : Shree Digvijay Cement Co. Limited,
Digvijaygram, At. Sikka,
Taluka & District : Jamnagar.

Test Method : As per IS Standards - 11255_1/3/5

Sr. No.	Particulars	Unit	S - 1
01.	Date of sampling	---	25/09/2023
02.	Time of sampling	Hr	10.00
03.	Duration of Sampling	Mins.	45.00
04.	Stack Attached to	---	Raw Mill & Kiln Exit
05.	Air Pollution Control Measures	---	Bag House
06.	Stack Height	Meter	71
07.	Stack Diameter	Meter	4.5
08.	Type of Fuel Used	---	Coal + AFR
09.	Ambient Temperature	°C	31
10.	Stack Temperature	°C	115
11.	Average Velocity of Flue Gases	M/Sec.	13.4
12.	Isokinetic flow rate for P.M. Sampling	LPM	20
13.	Permissible Limit for Fluoride	mg/Nm ³	---
14.	Measured Concentration of Fluoride	mg/Nm ³	N.D.

Instruments used : Ecotech Stack Sampler, Model No. ESS 100

N.D. = Not Detected

Calibration Done on : 26/12/2022


Royal Environment Auditing & Consultancy Service




Analyst



Royal

Environment Auditing & Consultancy Service

Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 84/10/2023-24

Date : 25/10/2023

REPORT OF STACK EMISSION ANALYSIS

Name of Company : Shree Digvijay Cement Co. Limited,
Digvijaygram, At. Sikka,
Taluka & District : Jamnagar.

Test Method : As per IS Standards - 11255_1/3/5

Sr. No.	Particulars	Unit	S - 1
01.	Date of sampling	---	18/10/2023
02.	Time of sampling	Hr	11.00
03.	Duration of Sampling	Mins.	45.00
04.	Stack Attached to	---	Raw Mill & Kiln Exit
05.	Air Pollution Control Measures	---	Bag House
06.	Stack Height	Meter	71
07.	Stack Diameter	Meter	4.5
08.	Type of Fuel Used	---	Coal + AFR
09.	Ambient Temperature	°C	32
10.	Stack Temperature	°C	120
11.	Average Velocity of Flue Gases	M/Sec.	12.8
12.	Isokinetic flow rate for P.M. Sampling	LPM	20
13.	Permissible Limit for Fluoride	mg/Nm ³	---
14.	Measured Concentration of Fluoride	mg/Nm ³	N.D.

Instruments used : Ecotech Stack Sampler, Model No. ESS 100

N.D. = Not Detected

Calibration Done on : 26/12/2022

Royal Environment Auditing & Consultancy Service



Analyst



Royal

Environment Auditing & Consultancy Service

Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 101/11/2023-24

Date : 28/11/2023

REPORT OF STACK EMISSION ANALYSIS

Name of Company : Shree Digvijay Cement Co. Limited,
Digvijaygram, At. Sikka,
Taluka & District : Jamnagar.

Test Method : As per IS Standards - 11255_1/3/5

Sr. No.	Particulars	Unit	S - 1
01.	Date of sampling	---	20/11/2023
02.	Time of sampling	Hr	10.30
03.	Duration of Sampling	Mins.	45.00
04.	Stack Attached to	---	Raw Mill & Kiln Exit
05.	Air Pollution Control Measures	---	Bag House
06.	Stack Height	Meter	71
07.	Stack Diameter	Meter	4.5
08.	Type of Fuel Used	---	Coal + AFR
09.	Ambient Temperature	°C	32
10.	Stack Temperature	°C	111
11.	Average Velocity of Flue Gases	M/Sec.	13.2
12.	Isokinetic flow rate for P.M. Sampling	LPM	21
13.	Permissible Limit for Fluoride	mg/Nm ³	---
14.	Measured Concentration of Fluoride	mg/Nm ³	N.D.

Instruments used : Ecotech Stack Sampler, Model No. ESS 100
Calibration Done on : 26/12/2022

N.D. = Not Detected



Royal Environment Auditing & Consultancy Service

Analyst

**COMPLIANCE STATUS OF RECOMMENDATIONS MADE IN THE
RISK ASSESSMENT REPORT (EIA/EMP)**

As per EC Specific Conditions (xxiii)

Sr. No.	Risk Mitigation Measures	Status
1.	Design, manufacture and construction of all plant and machineries building are and will be as per national and international codes as applicable in specific cases and laid down by statutory authorities.	Noted & Compliance assured during execution of proposed expansion project.
2.	Provision of adequate access way for movement of equipment and personnel is and shall be kept.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
3.	Minimum two no. of gates for escape during disaster are and shall be provided.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
4.	System of fire hydrants and automatic water sprinkling system for all important transformers.	Compliance assured.
5.	Fire hydrants with fire hoses in all areas where fire can break.	Compliance assured.
6.	Shielded cover is and will be paved on the signal cable to separate from the power cable if they shall be laid together.	Compliance assured.
7.	The design of this project is set with safety measurements such as lighting proof grounding and anti- electric shock.	Compliance assured.
8.	Standard operating procedures (SOPs) for every section and general works.	Being Complied.
9.	Periodic training to the operators.	Being Complied.
10.	Regular inspection, maintenance, and housekeeping for every section of the entire organization.	Being Complied.
11.	Only competent personnel allowed for electrical and maintenance work.	Being Complied.
12.	Energy isolation before the maintenance should be made compulsory.	Being Complied.
13.	Proper communication among workers is necessary. So, effective audible and visual communication devices must be available in working condition.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
14.	Danger signages at the required places must be available.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
15.	The alarm system in every section must be available for emergency situations.	Being Complied.
16.	The use of hand railings while using staircases should bring in culture. The three-point contact concept should be implemented.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
17.	The safety exit and safety evacuation space would meet the requirements of Factories act.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
18.	The different type of fire extinguishers are present and have been proposed at strategic locations in the plant.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.
19.	Personal protective equipment are mandatory and shall be provided.	Complied In existing Plant, Compliance assured during execution of proposed expansion project.

REPORT ON AWARENESS SESSIONS ON BAN OF SUP ITEMS (SINGLE USE PLASTIC)

INTRODUCTION

Single-use plastics pose a significant threat due to their enduring impact on the environment, potential harm to wildlife and ecosystems, their role in depleting valuable resources and contributing to greenhouse gas emissions, as well as the health-related risks they entail. Therefore, reducing the usage of single-use plastics and embracing more sustainable alternatives is imperative to alleviate these detrimental effects and advance our efforts towards a cleaner, healthier, and more sustainable planet.

This is precisely why **Shree Digvijay Cement Co. Ltd (SDCCL)** is wholeheartedly committed to raising awareness about the issues associated with single-use plastics. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. To ensure the compliance of Notification published by Ministry on 12/08/2021, SDCCL is organising the sensitization and awareness programmes among people working within the Project area as well as its surrounding area on the ban of SUP. Some Pictures are given for the reference.



AWARENESS PROGRAM ON SUP BAN WITH SCHOOL CHILDREN



AWARENESS SESSION WITH HOUSEWIVE ON SUP



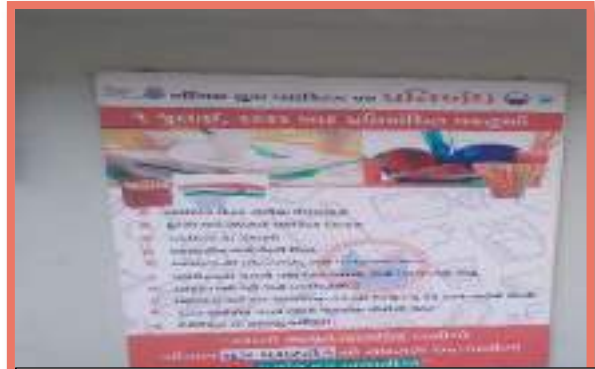
AWARENESS SESSION ON SUP BAN AT PRIMARY SCHOOL, DIGVIJAYGRAM



REPORT ON AWARENESS SESSIONS ON BAN OF SUP ITEMS (SINGLE USE PLASTIC)



AWARENESS DISPLAY BOARD AT CANTEEN AREA INSIDE



AWARENESS DISPLAY BOARD NR. MAIN FACTORY GATE



AWARENESS DISPLAY BOARD NR. BUS STOPPAGE,
DIGVIJAYGRAM



AWARENESS DISPLAY BOARD -
INSIDE THE PLANT



AWARENESS DISPLAY BOARD NR. ADMINISTRATIVE
BUILDING



AWARENESS DISPLAY BOARD AT CANTEEN AREA
OUTSIDE THE PLANT



REPORT ON AWARENESS SESSIONS ON BAN OF SUP ITEMS (SINGLE USE PLASTIC)



AWARENESS DISPLAY BOARD -
AT BHUNGA VILLAGE



AWARENESS DISPLAY BOARD AT SCHOOL, DIGVIJAYGRAM



DISPLAY BOARD - AT GRAM PANCHAYAT



REPORT ON AWARENESS SESSIONS ON BAN OF SUP ITEMS (SINGLE USE PLASTIC)



MONTHLY AWARENESS SESSIONS WITH EMPLOYEES DURING GATE



AWARENESS PROGRAM WITH EMPLOYEES DURING TOOL BOX TALK



AWARENESS PROGRAM WITH EMPLOYEES DURING TOOL BOX TALK



**Calibration Check Monitoring Report
for
(Particulate Matter, Sulphur Dioxide &
Nitrogen Oxides)
CEMS-Continuous Emission Monitoring
System's Report August 2024**



Industry:

SHREE DIGVIJAY CEMENT COMPANY LIMITED

Report Prepared by:

Vimta
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*(QCI/NABET Accredited EIA Consultancy Organization,
NABL (ISO 17025) Certified and MoEF &CC Recognized Laboratory)*

PREFACE

SHREE DIGVIJAY CEMENT COMPANY LIMITED
DIGVIJAYGRAM, SIKKA, JAMNAGAR, GUJARAT-361140

Calibration Check Monitoring Report
for
Particulate Matter (Yearly) & Gaseous (Half Yearly)
Continuous Emission Monitoring System's
Report – August 2024

For and on behalf of VIMTA Labs Limited

Approved by : M. Janardhan

Signed :



Designation : Head & Vice President – Environment

Date :

2024/10/15



This report has been prepared by Vimta Labs Limited with all reasonable skill, care and diligence within the terms of the contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.



**PM and Gaseous -CEMs Calibration Check Monitoring
Report -Shree Digvijay Cement Company. Ltd.**

August- 2024

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1.0 Introduction

Shree Digvijay Cement Company Limited (SDCCL), one of the oldest Cement Plant in the Country, was established in 1944 under the Brand Name "Kamal Cement" at Digvijaygram, Jamnagar, Gujarat. It manufactures Ordinary Portland Cement, Pozzolana Cement, Sulphate Resisting Portland Cement, Blended (Composite) Cement and Oil Well Cement Class 'G' by dry process technology.

2.0 Background

Cement, power, chemical, textile and various other industries are indicators of a country's progress, however all these industries have adverse impact on environment through emission of pollutants. India, like many other countries, has put in place a regulatory regime to control industrial emissions into air. For industries, it is very difficult to follow these regimes due to continuous varying emission level depending on various factors like variation in per day production based on market demand, load, operating hours, season etc., and conventional emission monitoring system represent the emission level of period only.

Continuous emission monitoring system (CEMS) has become a necessity to monitor & regulate emission levels. CEMS refers to the instrumentation and associated computing hardware and software used to measure pollutant levels in exhaust gas from industrial sources at a higher frequency (e.g., once or more per minute). Most PM CEMS device technologies employ indirect measurement principles and therefore require calibration before use. For instance, light scattering CEMS technology, which is commonly used to measure PM emissions, calculates the concentration of pollutants based on changes in the optical properties of stack gas. Calibration (performance & reliability) of CEMS ensures the complete integrity & reliability of data acquired from CEMS.

SHREE DIGVIJAY CEMENT COMPANY LTD, DIGVIJAYGRAM, JAMNAGAR, GUJARAT has Installed Particulate matter CEMS (PM-CEMS) for monitoring of particulate matter emission levels and Gaseous CEMS at Raw Mill & Kiln Stack for SO₂ & NO_x Parameters. Central Pollution Control Board specifications and guidelines for continuous emissions monitoring systems (CEMS) for Particulate Matter (PM) measurement with special reference to

emission trading programs (CPCB/e- PUBLICATION/2013-14) and 1st Revised Guidelines for Continuous emission monitoring systems in September 2018. Standard reference method of Iso-kinetic sampling technique was adopted for comparison study of online data received from PM CEMS.

3.0 Standard Reference Method (SRM)

Particulate matter is drawn Iso-kinetically from the duct/stack and collected in a Micro Glass fiber thimble maintained at duct/stack temperature. The particulate matter, which includes any material that collects in the Filter thimble, is determined gravimetrically after the removal of uncombined moisture. The Iso-kinetic flow rate is calculated from the arrived flue gas velocity inside the duct/stack at respective traverse points, which is calculated based on the measured parameters like temperature, moisture, molecular weight, velocity head at respective traverse points and static head.

4.0 Calibration Procedure

Particulate matter emission level of 4 stacks (stationary source of emission) installed in plant was measured by standard reference method of Iso-kinetic sampling technique. Total Nine measurements were carried out in each stack with changing load of Concern Mills (wherever possible). Micro Glass Fiber Filter thimbles are used for dust collection. And were conditioned at 120°C to constant weighing before & after sampling. Data acquired from PM-CEMs for each stack during Real time of Iso-kinetic sampling was collected. Since in every study each collected data is associated with some inherent error due to various unavoidable factors, therefore, for comparing both data, regression line graph was made between Iso-kinetic data vs. PM-CEMs data. From this root mean square (RMS), percent root mean square percentage error (%RMSPE), regression slope (m) intercept factor (C) regression correlation coefficient (R^2) & was calculated. In this study R^2 represents the fitness of data to liner line equation & percent root mean square error for this study indicates the deviation of PM-CEMs data with reference to standard reference method of Iso-kinetic sampling method. As per CPCB/e-Publication/2013-14 guideline, maximum acceptable limit for %RMSPE is less than 30. If %RMSE is more than 30, then factor of m & C needs to apply in CEMS software to get correct data for emission level.

5.0 Instruments.

For this study, Iso-kinetic sampling train for Particulate Matter was carried out in different stacks in **SHREE DIGVIJAY CEMENT COOMPANY LIMITED, DIGVIJAYGRAM, JAMNAGAR, GUJARAT** by stack sampling kit VSS- 1 of Envirotech Instruments Private Limited. Dust sample was collected in Whatman glass fiber thimbles.

6.0 Gaseous Composition Measurement

The measurement of the O_2 & CO_2 was carried out with the Portable Combustion Flue Gas Analyzer Make of MRU GmbH Model Optima 7 according to USEPA Method 30&34.



FIGURE-1
PORTABLE COMBUSTION GAS ANALYSER

7.0 Exhaust Gas Volume Stream

7.1 Velocity

The velocity profile was measured using S-type Pitot tube according to USEPA-guideline method no.2.

TABLE-1
INSTRUMENT DETAILS FOR VELOCITY MEASUREMENT

Parameter	Instrument and its Specification
S- Type Pitot tube	➤ Envirotech Stack Sampling Kit ➤ Validated with calibration Report
Dynamic pressure	➤ Incline cum vertical manometer, ➤ Envirotech Stack Sampling Kit ➤ Accuracy: ± 1 (%) of measuring range
Static pressure	➤ Incline cum vertical manometer, ➤ Envirotech Stack Sampling Kit ➤ Accuracy: ± 1 (%) of measuring range
Ambient pressure	➤ Digital Barometer, Testo 511, Germany ➤ Range: 300 - 1200 hPa (mbar) ➤ Accuracy: ± 3 hPa

7.2 Exhaust gas temperature

During the whole measuring period the temperature of the exhaust gas was measured in multi- points of the cross-section area of the stack with a K type thermocouple in connection with a display unit, Envirotech Stack Sampling Kit.

TABLE-2
INSTRUMENT DETAILS OF TEMPERATURE MEASUREMENT

Parameter	Device and its Specification
Temperature	Digital Thermo Meter ➤ Range: 0 - 1300 (°C) ➤ Accuracy: $\pm 0.3\% + 1^{\circ}\text{C}$

8.0 Measurement of Particulate Matter (PM).

Envirotech Iso-kinetic Source Sampling Kit Model APM 620 was used to collect dust Sample Iso-kinetically as Per USEPA Method 5 with valid calibration report of Manometer, Orifice Meter, Dry Gas Meter, Sampling Nozzle, Vacuum gauge, Temp Indicator, Pitot tube. Sample was collected in Glass Fiber Filter. Hot gas was dried using silica Gel and cooled less than 20° C before entering to metering Device (Dry Gas Meter). Initial & Final Weight of Filter Thimble was taken at site Laboratory by using Digital Balance.



FIGURE-2

STACK EMISSION MONITORING KIT

9.0 QA /QC for Dust Measurement during sampling.

The instruments used for measurement are duly calibrated as per applicable norms as mentioned in ISO/IEC: 17025.

Calibrated S-type Pitot tube, manometer, digital thermometer, Rota meter, dry gas meter & vacuum gauges were used.

For QA/QC, Leak Check was done before & after sampling of each port hole at pressure of (-15) Inch Hg & was found 100% leak Proof.

Iso-kineticity percentage was in between 90-110 % at Each Port Hole & over all Iso-kineticity Percentage was also in the same range. Field Blank sample was taken care of at site.

10.0 Results & Discussion.

Results obtained from PM-CEMs & Iso-kinetic sampling are summarized in **Table-3&4** and detail data given in **Table-5 to Table-10**.

TABLE-3
SUMMARY OF REGRESSION ANALYSIS

Sr. No	Stack Identity	PD (%)	m	C	R ²
01	Cement Mill	7.0	0.9299	0.0097	0.9999
02	Cooler ESP	7.07	0.9291	8.2447	0.9997
03	Coal Mill	6.21	0.9345	0.0019	0.9999
04	RAW MILL & Kiln	6.61	0.9345	0.0538	0.9999
Nomenclature: PD(%) : Allowable Deviation percentage in comparison with SRM Value M : Regression Slope (correction factor) C : Intercept factor R ² : Correlation Coefficient					

TABLE-4
SUMMARY OF REGRESSION ANALYSIS FOR GASEOUS-CEMs

Sr. No	Stack Identity	Parameters	PD (%)	m	C	R ²
01	Raw Mill & Kiln	NOx	7.12	0.9292	1.643	0.9996
		SO ₂	7.91	0.9209	1.366	0.9999
Nomenclature: PD (%) : Allowable Deviation percentage in comparison with SRM Value M : Regression Slope (correction factor) C : Intercept factor R ² : Correlation Coefficient						

11.0 Conclusion:

From the statistical analysis, it was found that Performance deviation (%) in Comparison with SRM Data and PM-CEMs readings received with real time Monitoring for each stack is less than 10%. Hence, measured readings logged through PM-CEMs Complies the CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Based on present study CDF viz. Regression Slope i.e., correction factor (m) can maintain till next calibration schedule.

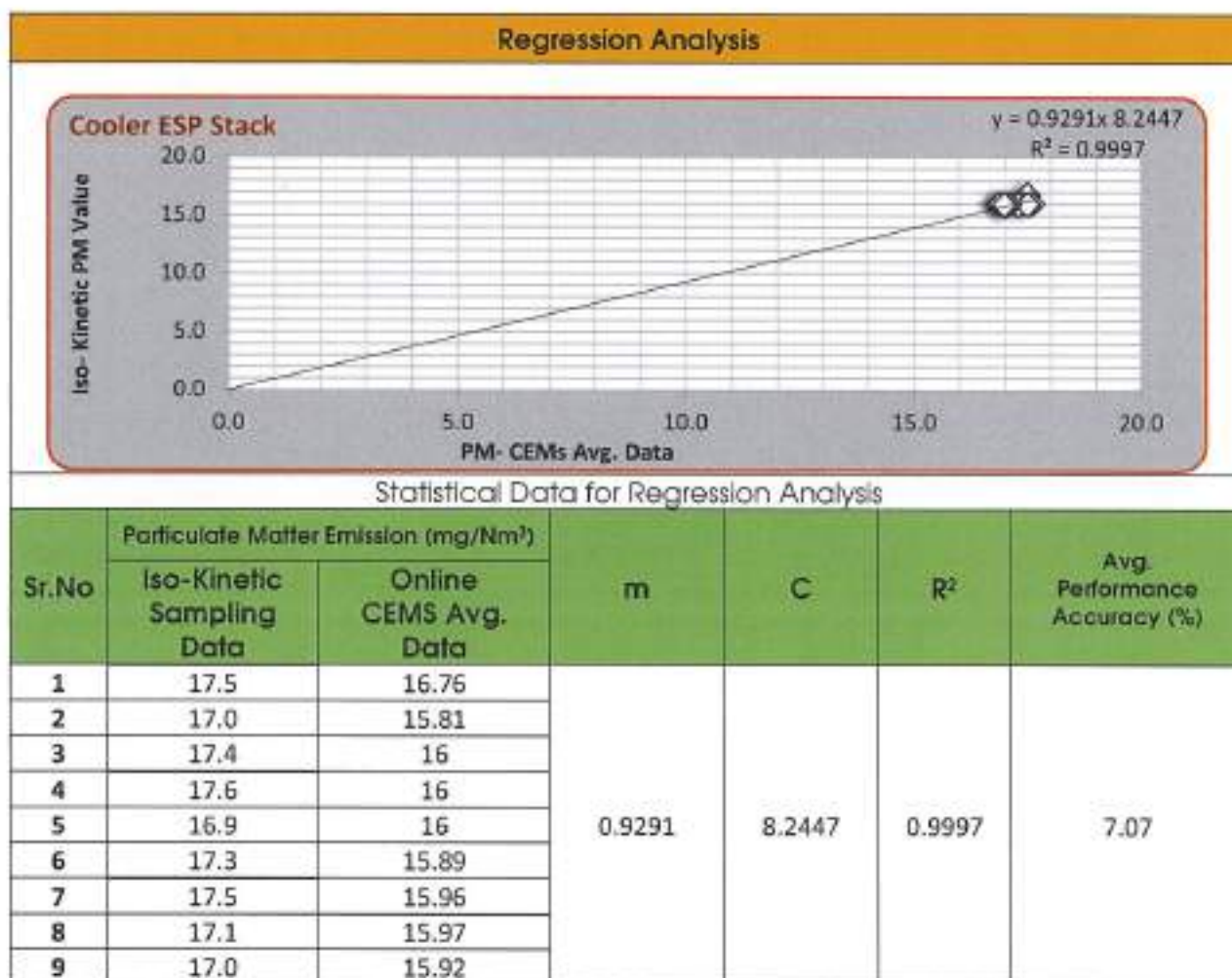
TABLE-5
REGRESSION ANALYSIS OF CEMENT MILL BAG HOUSE STACK



Observation: Installed PM CEMs at Cement Mill Bag House Stack Complies as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of PM-CEMS during comparison study against SRM should be $\leq \pm 10\%$

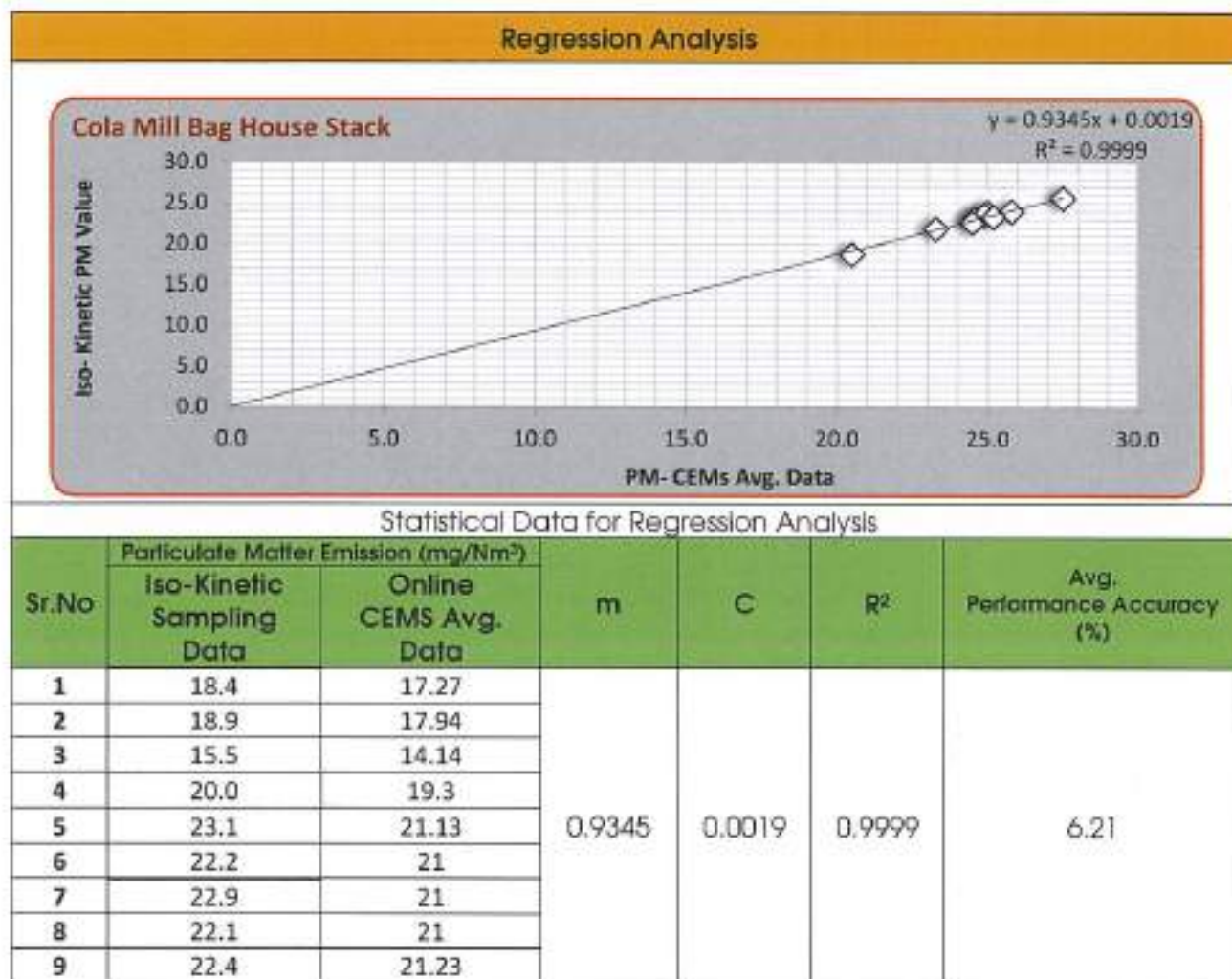
TABLE-6
REGRESSION ANALYSIS OF COOLER ESP STACK



Observation: Installed PM CEMs at Cooler ESP Stack complies as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of PM-CEMS during comparison study against SRM should be $< \pm 10\%$

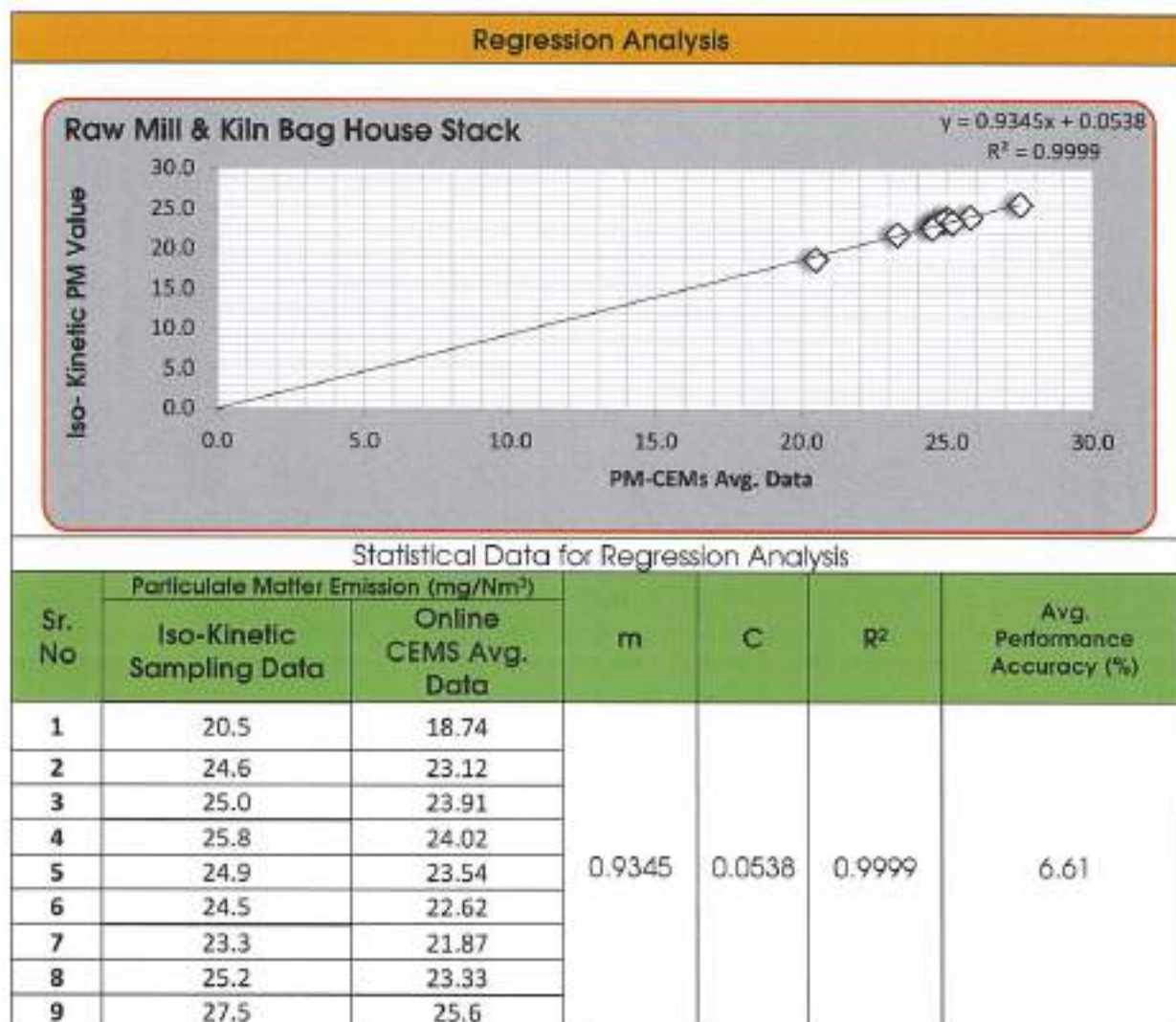
TABLE-7
REGRESSION ANALYSIS OF COAL MILL BAG HOUSE STACK



Observation: Installed PM CEMS at Coal Mill Bag House Stack Complies as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of PM-CEMS during comparison study against SRM should be $\leq \pm 10\%$

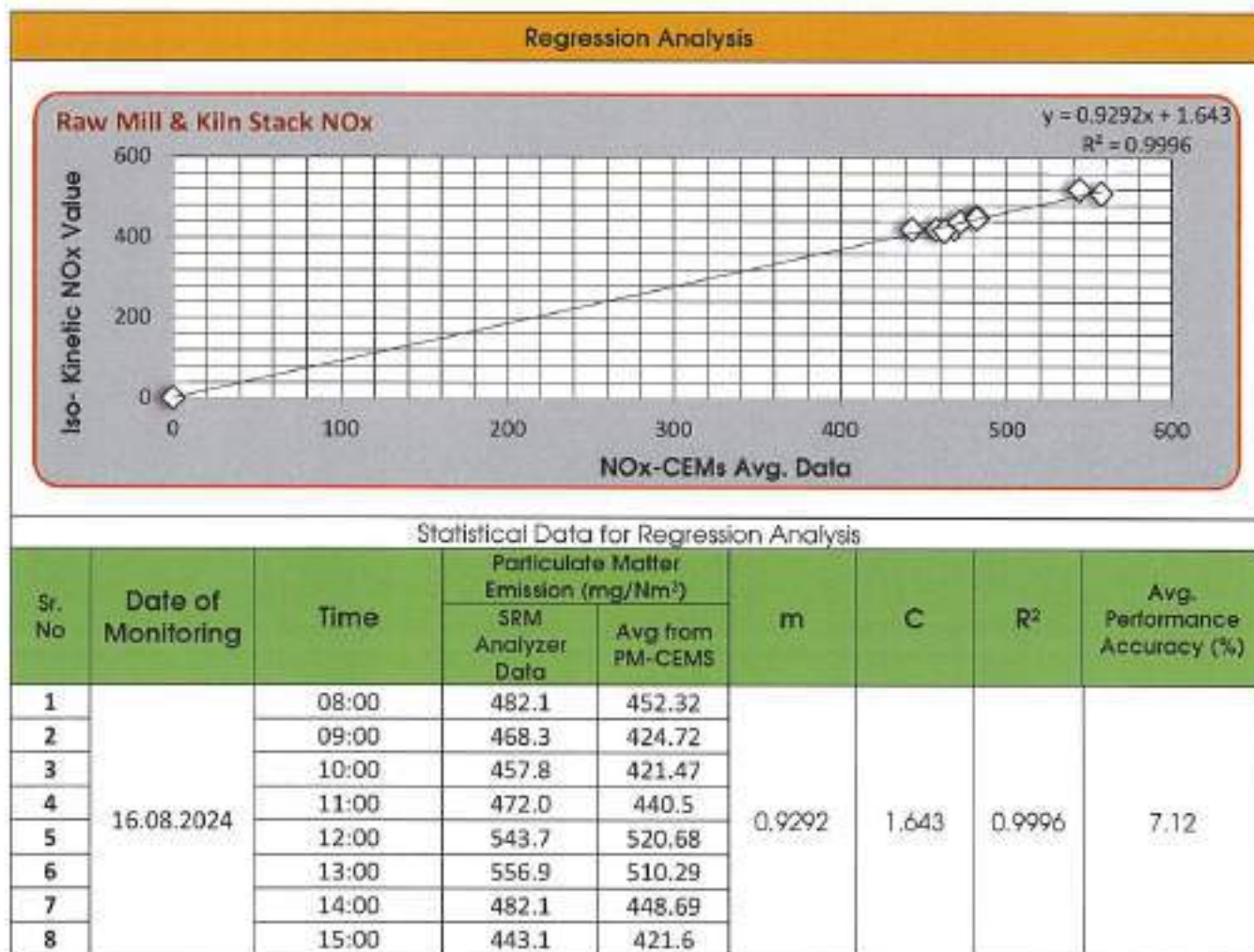
TABLE-8
REGRESSION ANALYSIS OF RAW MILL & KILN BAG HOUSE STACK



Observation: Installed PM CEMs at RAW MILL & KILN BAG HOUSE STACK Complies as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of PM-CEMS during comparison study against SRM should be $\leq \pm 10\%$

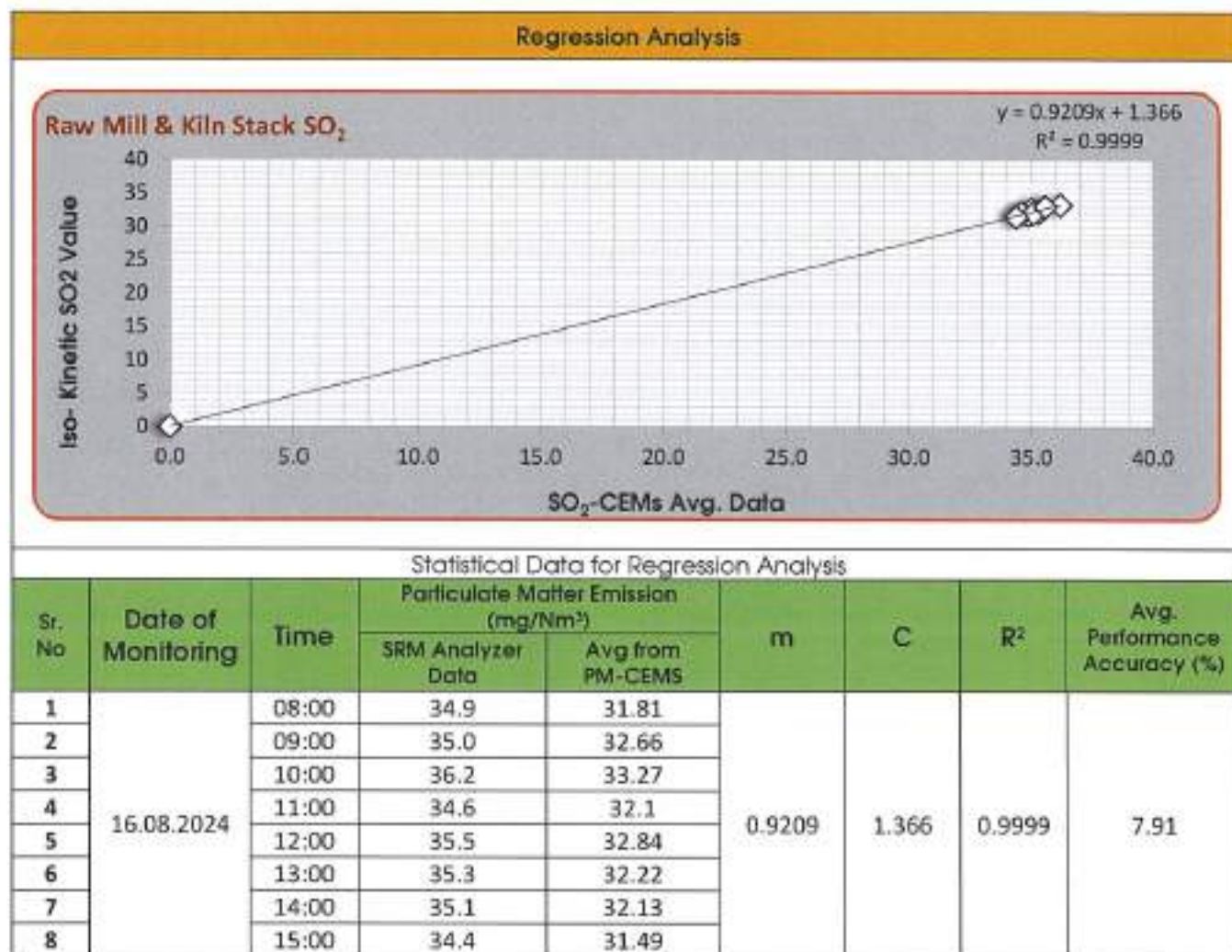
TABLE-9
REGRESSION ANALYSIS OF RAW MILL & KILN STACK-NO_x



Observation: Installed Gaseous CEMs at RAW MILL & KILN STACK-NO_x is complying as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of Gaseous-CEMS during comparison study against SRM should be $\leq \pm 10\%$

TABLE-10
REGRESSION ANALYSIS OF RAW MILL & KILN STACK-SO₂



Observation: Installed Gaseous CEMs at Raw Mill & Kiln Stack- SO₂ is complying as per CPCB 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

Allowable deviation of Performance Accuracy of Gaseous-CEMS during comparison study against SRM should be $\leq \pm 10\%$

12.0 Remark & Compliance:

For better performance and more accuracy in PM & Gaseous CEMS, regular calibration checks of all stacks is recommended as once in every Year for PM-CEMs and once in every six months for Gaseous CEMS as per as per Protocols for Online Continuous Effluent & Emission Monitoring Systems (OCEMS) 06th March 2018. And 1st Revised Guidelines for Continuous Emission Monitoring Systems June 2018.

13.0 References:

- CPCB/e-Publication/2013-14 (Specifications and guidelines for Continuous Emissions Monitoring Systems for PM Measurement with special reference to Emission Trading Programs: Dated 22nd November 2013.
- Revised Guidelines for Continuous Emission Monitoring Systems: Dated June 2018.
- Protocols for Online Continuous Effluent & Emission Monitoring Systems (OCEMS) 06th March 2018
- USEPA Method-1, 2, 3, 4, 5 & 17
- USEPA Method TO 30&34



PM-CEMS Calibration Check Monitoring Report
Shree Digvijay Cement Co. Ltd.

August-2024

14.0 Iso-kinetic Sampling Data

Calcutt Mill Blast House Stage												
Sample No	Date	Time	Load (TPH)	Flue Gas Temp (°C)	Avg Velocity (m/s)	Flow (Nm³/Hr.)	Iso Kinetic Sampling Rate	PM (mg/Nm³)	Average PM (mg/Nm³)	Avg CEMS PM	Percentage Error (%)	Absolute Percentage Error (%)
1	10.08.2024	10:00 to 10:36	160	49	9.7	191628	30	14.9	15.6	13.77	7.58	7.58
2		10:40 to 11:16	160	50	9.8	193572	30	15.7		14.76	5.99	5.99
3		11:22 to 11:58	160	49	9.7	192564	30	16.3		15.2	6.75	6.75
4	13.08.2024	08:20 to 08:55	230	57	10.4	200052	31	18.5	18.1	17.06	7.78	7.78
5		09:00 to 09:35	230	57	10.1	193644	31	17.8		16.84	5.39	5.39
6		09:39 to 10:14	230	58	10.4	200016	31	17.9		16.76	6.37	6.37
7		10:20 to 10:55	222	57	10.4	200412	31	16.5	17.4	15.32	7.15	7.15
8		11:00 to 11:35	222	56	9.8	188892	31	18.2		16.87	7.31	7.31
9		11:40 to 12:15	222	56	9.9	190800	31	17.5		15.98	8.69	8.69

14.0 Iso-kinetic Sampling Data

Chennai ESP (acid) Stack											
Sample No	Date	Time	Flue Gas Temp (°C)	Avg Velocity (m/s)	Flow (Nm ³ /Hr.)	Iso Kinetic Sampling Rate	PM (mg/Nm ³)	Average PM (mg/Nm ³)	Avg CEMS PM	Percentage Error (%)	Absolute Percentage Error (%)
1	10.08.2024	14:20 to 14:59	155	22.6	261648	26	17.5	17.3	16.76	4.23	4.23
2		15:05 to 15:44	155	23.1	267444	26	17.0		15.81	7.00	7.00
3		15:50 to 16:29	155	23.2	268596	26	17.4		16	8.05	8.05
4	12.08.2024	12:00 to 12:40	145	23.2	257852	25	17.6	17.3	16	9.09	9.09
5		12:44 to 13:24	145	24.2	268776	25	16.9		16	5.33	5.33
6		13:30 to 14:10	145	23.1	256572	25	17.3		15.89	8.15	8.15
7		14:15 to 14:51	137	24.1	274068	28	17.5	17.2	15.96	8.80	8.80
8		14:55 to 15:31	137	24.2	275220	28	17.1		15.97	6.61	6.61
9		15:34 to 16:10	137	23.5	267228	28	17.0		15.92	6.35	6.35

Iso-kinetic Sampling Data

Sample No	Date	Time	Load (TPH)	Flue Gas Temp (°C)	Avg Velocity (m/s)	Flow (Nm ³ /Hr.)	Iso Kinetic Sampling Rate	PM (mg/Nm ³)	Average PM (mg/Nm ³)	Avg CEMS PM	Percentage Error (%)	Absolute Percentage Error (%)
1	09.08.2024	16:20 to 16:56	20.35	45	9.9	46344	30	18.4	17.6	17.27	6.1	6.1
2		17:05 to 17:41	20.35	46	9.8	46728	30	18.9		17.94	5.1	5.1
3		17:50 to 18:26	20.35	47	9.6	45575	30	15.5		14.14	8.8	8.8
4	12.08.2024	08:20 to 08:54	21.85	44	10.3	48312	32	20.0	21.8	19.3	3.5	3.5
5		09:00 to 09:34	21.85	46	10.3	48204	32	23.1		21.13	8.5	8.5
6		09:40 to 10:14	22.85	47	10.2	47592	32	22.2		21	5.4	5.4
7	12.10.2024	11:30 to 12:05	25.45	44	10.1	47376	31	22.9	22.5	21	8.3	8.3
8		12:10 to 12:45	25.45	46	10.4	48456	31	22.1		21	5.0	5.0
9		12:52 to 13:27	25.45	46	9.9	43560	31	22.4		21.23	5.2	5.2

Iso-kinetic Sampling Data

Sample No	Date	Time	Load (TPH)	Flue Gas Temp (°C)	Avg Velocity (m/s)	Flow (Nm ³ /Hr.)	Iso Kinetic Sampling Rate	PM (mg/Nm ³)	Average PM (mg/Nm ³)	Avg CEMS PM	Percentage Error (%)	Absolute Percentage Error (%)
1	16.08.2024	08:00 to 08:30	256.28	87	8.6	373500	34	20.5	23.4	18.74	8.6	8.59
2		08:34 to 09:04	256.28	87	8.4	364860	36	24.6		23.12	6.0	6.02
3		09:10 to 09:40	256.28	87	8.7	377892	36	25.0		23.91	4.4	4.36
4	16.08.2024	09:50 to 10:18	274.10	85	9.1	394056	36	25.8	25.1	24.02	6.9	6.90
5		10:22 to 10:50	274.10	85	9.2	397224	38	24.9		23.54	5.5	5.46
6		10:55 to 11:23	274.10	85	9.1	394056	38	24.5		22.62	7.7	7.67
7	13.10.2024	13:00 to 13:28	282.89	86	9.1	394668	36	23.3	25.3	21.87	6.1	6.14
8		13:35 to 14:03	282.89	86	9.3	403344	38	25.2		23.33	7.4	7.42
9		14:10 to 14:38	282.89	86	9.2	398988	38	27.5		25.6	6.9	6.91



15.0 Hourly basis summary data of Gas analysis in Raw Mill & Kiln stack

Date Of Sampling	SRM-NOx mg/Nm3 @ 10%O2	CEMS-NOx mg/Nm3	FE%	SRM-SO2 mg/Nm3 @ 10%O2	CEMS-SO2 mg/Nm3	FE%
16th August 2024 08:00	442.1	452.32	6.2	34.9	31.81	8.9
16th August 2024 09:00	488.3	424.72	9.3	35.0	32.66	6.7
16th August 2024 10:00	457.8	421.47	7.9	36.2	33.27	8.1
16th August 2024 11:00	472.0	440.5	6.7	34.6	32.1	7.2
16th August 2024 12:00	543.7	520.68	4.2	35.6	32.84	7.5
16th August 2024 13:00	556.9	510.29	8.4	35.3	32.22	6.7
16th August 2024 14:00	482.1	448.69	6.9	35.1	32.13	8.5

Monthly summary report of continuous stack emission

TPDS: SICK India Private Limited
 Industry: Shree Digvijay Cement Company Limited
 Period: April 2024 to September 2024

MONTH	RAW MILL & KILN STACK			COAL MILL STACK	COOLER ESP STACK	CEMENT MILL STACK
	PM	SO ₂	NO _X	PM	PM	PM
LIMIT	30 mg/Nm ³	100 mg/Nm ³	1000 mg/Nm ³	30 mg/Nm ³	30 mg/Nm ³	30 mg/Nm ³
Apr-24	3.83	10.13	383.38	13.03	17.02	11.78
May-24	11.09	19.3	380	13.2	16.55	9.85
Jun-24	16.28	19.36	386.17	10.95	12.84	13.66
Jul-24	19.83	15.96	367.88	13.58	13.75	11.69
Aug-24	18.54	20.56	353.53	14.09	13.36	8.11
Sep-24	16.88	17.95	333.63	13.58	13.29	11.91

Online Pollution Monitoring Portal

Site Name: SHREE DIGVIJAY CEMENT CO.LTD

From Date: 2024/04/01 To Date: 2024/09/30

Report Name: Custom Report, SHREE DIGVIJAY CEMENT CO.LTD

Report Created by SDCCCL on 2024-11-08 19:57:38

[illegible]

Ref. No. : RJT/ST/APRIL/2024-25/29

Date : 15/04/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	-----	-----	05/04/2024	05/04/2024	05/04/2024
2.	Time Of Sampling	Hrs.	-----	13.30 to 14.00	14.30 to 15.00	15.30 to 16.00
3.	Stack Attached to	-----	-----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	-----	-----	Bag House	Bag House	ESP
5.	Stack Height	Meter	-----	71	50	22
6.	Stack Diameter	Feet	-----	4.5	2.8	2.4
7.	Ambient Temperature	°C	-----	32	32	33
8.	Stack Temperature	°C	-----	132	76	160
9.	Avg. Velocity of Flue Gases	M/Sec	-----	13.38	11.97	13.84
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	19	20	18
11.	Gaseous Sampling Flow Rate	LPM	-----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	21	14	22
13.	Measured Concentration of SO ₂	PPM	100	12	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	357	BDL	BDL



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/ST/APRIL/2024-25/30

Date : 15/04/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	-----	-----	06/04/2024
2.	Time Of Sampling	Hrs.	-----	11.30 to 12.00
3.	Stack Attached to	-----	-----	Coal Mill
4.	Air Pollution Control Measures	-----	-----	Bag Filter
5.	Stack Height	Meter	-----	31
6.	Stack Diameter	Feet	-----	1.4
7.	Ambient Temperature	°C	-----	30
8.	Stack Temperature	°C	-----	81
9.	Avg. Velocity of Flue Gases	M/Sec	-----	13.38
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	21
11.	Measured Concentration of P.M.	mg/Nm ³	50	25



CCS Enviro Control LLP



Analyst

Ref. No. : RJT/ST/MAY/2024-25/295

Date : 25/05/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	-----	-----	09/05/2024	09/05/2024	09/05/2024
2.	Time Of Sampling	Hrs.	-----	14.15 to 14.45	15.30 to 16.00	16.30 to 17.00
3.	Stack Attached to	-----	-----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	-----	-----	Bag House	Bag House	ESP
5.	Stack Height	Meter	-----	71	50	22
6.	Stack Diameter	Feet	-----	4.5	2.8	2.4
7.	Ambient Temperature	°C	-----	33	34	34
8.	Stack Temperature	°C	-----	126	80	156
9.	Avg. Velocity of Flue Gases	M/Sec	-----	12.80	12.50	13.78
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	18	20	18
11.	Gaseous Sampling Flow Rate	LPM	-----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	17	16	20
13.	Measured Concentration of SO ₂	PPM	100	19	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	296	BDL	BDL



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/ST/MAY/2024-25/296

Date : 25/05/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	-----	-----	10/05/2024
2.	Time Of Sampling	Hrs.	-----	11.00 to 11.30
3.	Stack Attached to	-----	-----	Coal Mill
4.	Air Pollution Control Measures	-----	-----	Bag Filter
5.	Stack Height	Meter	-----	31
6.	Stack Diameter	Feet	-----	1.4
7.	Ambient Temperature	°C	-----	33
8.	Stack Temperature	°C	-----	86
9.	Avg. Velocity of Flue Gases	M/Sec	-----	13.89
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	22
11.	Measured Concentration of P.M.	mg/Nm ³	50	31



CCS Enviro Control LLP



Analyst

Ref. No.: RJT/ST/JUNE/2024-25/304

Date : 22/06/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	-----	-----	14/06/2024	14/06/2024	14/06/2024
2.	Time Of Sampling	Hrs.	-----	15.30 to 16.00	09.15 to 09.45	16.30 to 17.00
3.	Stack Attached to	-----	-----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	-----	-----	Bag House	Bag House	ESP
5.	Stack Height	Meter	-----	70.71	50	35.5
6.	Stack Diameter	Feet	-----	4.5	2.8	2.4
7.	Ambient Temperature	°C	-----	35	34	35
8.	Stack Temperature	°C	-----	121	71	152
9.	Avg. Velocity of Flue Gases	M/Sec	-----	13.20	11.89	14.19
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	19	20	19
11.	Gaseous Sampling Flow Rate	LPM	-----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	15	12	10
13.	Measured Concentration of SO ₂	PPM	100	25	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	412	BDL	BDL



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/ST/JUNE/2024-25/305

Date : 22/06/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	-----	-----	14/06/2024
2.	Time Of Sampling	Hrs.	-----	14.15 to 14.45
3.	Stack Attached to	-----	-----	Coal Mill
4.	Air Pollution Control Measures	-----	-----	Bag Filter
5.	Stack Height	Meter	-----	32
6.	Stack Diameter	Feet	-----	1.4
7.	Ambient Temperature	°C	-----	35
8.	Stack Temperature	°C	-----	81
9.	Avg. Velocity of Flue Gases	M/Sec	-----	13.38
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	22
11.	Measured Concentration of P.M.	mg/Nm ³	50	15



CCS Enviro Control LLP



Analyst

Ref. No. : RJT/ST/JULY/2024-25/418

Date : 27/07/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	-----	-----	18/07/2024	19/07/2024	18/07/2024
2.	Time Of Sampling	Hrs.	-----	15.30 to 16.00	11.30 to 12.00	11.15 to 11.45
3.	Stack Attached to	-----	-----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	-----	-----	Bag House	Bag House	ESP
5.	Stack Height	Meter	-----	70.71	50	35.5
6.	Stack Diameter	Feet	-----	4.5	2.8	2.4
7.	Ambient Temperature	°C	-----	30	31	30
8.	Stack Temperature	°C	-----	136	67	159
9.	Avg. Velocity of Flue Gases	M/Sec	-----	12.96	12.26	15.23
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	18	21	20
11.	Gaseous Sampling Flow Rate	LPM	-----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	25	17	17
13.	Measured Concentration of SO ₂	PPM	100	26	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	408	BDL	BDL



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Analyst

Ref. No. : RJT/ST/JULY/2024-25/419

Date : 27/07/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	-----	-----	14/06/2024
2.	Time Of Sampling	Hrs.	-----	14.15 to 14.45
3.	Stack Attached to	-----	-----	Coal Mill
4.	Air Pollution Control Measures	-----	-----	Bag Filter
5.	Stack Height	Meter	-----	32
6.	Stack Diameter	Feet	-----	1.4
7.	Ambient Temperature	°C	-----	30
8.	Stack Temperature	°C	-----	74
9.	Avg. Velocity of Flue Gases	M/Sec	-----	12.39
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	20
11.	Measured Concentration of P.M.	mg/Nm ³	50	22



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Analyst

Ref. No. : RJT/ST/AUGUST/2024-25/167

Date : 16/08/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	----	----	08/08/2024	07/08/2024	07/08/2024
2.	Time Of Sampling	Hrs.	----	09.45 to 10.15	14.00 to 14.30	11.15 to 11.45
3.	Stack Attached to	----	----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	----	----	Bag House	Bag House	ESP
5.	Stack Height	Meter	----	70.71	50	35.5
6.	Stack Diameter	Feet	----	4.3	2.7	2.3
7.	Ambient Temperature	°C	----	28	31	29
8.	Stack Temperature	°C	----	140	60	151
9.	Avg. Velocity of Flue Gases	M/Sec	----	13.52	12.14	14.64
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	----	18	21	20
11.	Gaseous Sampling Flow Rate	LPM	----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	25	15	16
13.	Measured Concentration of SO ₂	PPM	100	22	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	508	BDL	BDL



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Analyst

Ref. No. : RJT/ST/AUGUST/2024-25/168

Date : 16/08/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	-----	-----	07/08/2024
2.	Time Of Sampling	Hrs.	-----	10.30 to 11.00
3.	Stack Attached to	-----	-----	Coal Mill
4.	Air Pollution Control Measures	-----	-----	Bag Filter
5.	Stack Height	Meter	-----	32
6.	Stack Diameter	Feet	-----	1.4
7.	Ambient Temperature	°C	-----	28
8.	Stack Temperature	°C	-----	67
9.	Avg. Velocity of Flue Gases	M/Sec	-----	11.82
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	20
11.	Measured Concentration of P.M.	mg/Nm ³	50	21



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Analyst

Ref. No. : RJT/ST/SEPTEMBER/2024-25/218

Date : 19/09/2024

Report of Stack Emission Analysis

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 1	Stack # 2	Stack # 3
1.	Date Of Sampling	-----	-----	10/09/2024	11/09/2024	11/09/2024
2.	Time Of Sampling	Hrs.	-----	10.15 to 10.45	09.15 to 09.45	15.45 to 16.15
3.	Stack Attached to	-----	-----	Raw Mill & Kiln Exit	Cement Mill (KCP)	Cooler Exit
4.	Air Pollution Control Measures	-----	-----	Bag House	Bag House	ESP
5.	Stack Height	Meter	-----	70.71	50	35.5
6.	Stack Diameter	Feet	-----	4.3	2.7	2.3
7.	Ambient Temperature	°C	-----	29	30	27
8.	Stack Temperature	°C	-----	132	52	146
9.	Avg. Velocity of Flue Gases	M/Sec	-----	14.31	11.55	14.09
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	-----	20	20	19
11.	Gaseous Sampling Flow Rate	LPM	-----	02	02	02
12.	Measured Concentration of P.M.	mg/Nm ³	30	21	19	16
13.	Measured Concentration of SO ₂	PPM	100	26	BDL	BDL
14.	Measured Concentration for NO _x	PPM	1000	502	BDL	BDL



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Analyst

Ref. No. : RJT/ST/SEPTEMBER/2024-25/219

Date : 19/09/2024

Report of Stack Emission Analysis

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Stack # 4
1.	Date Of Sampling	----	----	10/09/2024
2.	Time Of Sampling	Hrs.	----	13.15 to 13.45
3.	Stack Attached to	----	----	Coal Mill
4.	Air Pollution Control Measures	----	----	Bag Filter
5.	Stack Height	Meter	----	32
6.	Stack Diameter	Feet	----	1.4
7.	Ambient Temperature	°C	----	29
8.	Stack Temperature	°C	----	60
9.	Avg. Velocity of Flue Gases	M/Sec	----	12.14
10.	Isokinetic Flow Rate for P.M. Sampling	LPM	----	21
11.	Measured Concentration of P.M.	mg/Nm ³	50	23



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Analyst

Ref. No. : RJT/AMB/APRIL/2024-25/31

Date : 15/04/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	----	----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	----	----	05/04/24 to 06/04/24	05/04/24 to 06/04/24
3.	Time Of Sampling	Hrs.	----	09.30 to 09.30 AM	10.00 to 10.00 AM
4.	Dominant Wind Direction (From)	----	----	NW	NW
5.	Average Wind Speed	Km/Hrs.	----	4 to 17	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	----	0.5	0.5
7.	Measured Concentration of PM10	µg/M ³	100.00	48	44
8.	Measured Concentration of PM2.5	µg/M ³	60.00	19	20
9.	Measured Concentration of SOx	µg/M ³	80.00	11.3	12.2
10.	Measured Concentration of NOx	µg/M ³	80.00	16.7	17.0
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



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Analyst

Ref. No. : RJT/AMB/APRIL/2024-25/32

Date : 15/04/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	----	----	At Village Sikka	Terrace of SDCCL Primery School
2.	Date Of Sampling	----	----	06/04/24 to 07/04/24	06/04/24 to 07/04/24
3.	Time Of Sampling	Hrs.	----	10.15 to 10.15 AM	10.30 to 10.30 AM
4.	Dominant Wind Direction (From)	----	----	NW	NW
5.	Average Wind Speed	Km/Hrs.	----	3 to 18	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	----	01	01
7.	Measured Concentration of PM10	µg/M³	100.00	60	56
8.	Measured Concentration of PM2.5	µg/M³	60.00	29	26
9.	Measured Concentration of SOx	µg/M³	80.00	13.6	12.3
10.	Measured Concentration of NOx	µg/M³	80.00	18.2	16.1
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/APRIL/2024-25/33

Date : 15/04/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	06/04/24 to 07/04/24
3.	Time Of Sampling	Hrs.	-----	11.00 to 11.00 AM
4.	Dominant Wind Direction (From)	-----	-----	NW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	64
8.	Measured Concentration of PM2.5	µg/M ³	60.00	29
9.	Measured Concentration of SOx	µg/M ³	80.00	11.6
10.	Measured Concentration of NOx	µg/M ³	80.00	17.1
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24



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Analyst

Ref. No. : RJT/AMB/APRIL/2024-25/240

Date : 15/04/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 6
1.	Location of Sampling	----	----	At Project Area**
2.	Date Of Sampling	----	----	05/04/24 to 06/04/24
3.	Time Of Sampling	Hrs.	----	12.15 to 12.15 PM
4.	Dominant Wind Direction (From)	----	----	NW
5.	Average Wind Speed	Km/Hrs.	----	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	----	01
7.	Measured Concentration of PM10	µg/M³	100.00	61
8.	Measured Concentration of PM2.5	µg/M³	60.00	25
9.	Measured Concentration of SOx	µg/M³	80.00	11.0
10.	Measured Concentration of NOx	µg/M³	80.00	16.7
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	----	24

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/MAY/2024-25/298

Date : 25/05/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	----	-----	At Village Sikka	Terrace of SDCCCL PrimerySchool
2.	Date Of Sampling	----	-----	09/05/24 to 10/05/24	10/05/24 to 11/05/24
3.	Time Of Sampling	Hrs.	-----	11.00 AM to 11.00 AM	09.30 AM to 09.30 AM
4.	Dominant Wind Direction (From)	----	-----	NW	NW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01	01
7.	Measured Concentration of PM10	µg/M³	100.00	66	51
8.	Measured Concentration of PM2.5	µg/M³	60.00	32	28
9.	Measured Concentration of SOx	µg/M³	80.00	14.5	13.6
10.	Measured Concentration of NOx	µg/M³	80.00	19.4	15.8
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



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Analyst

Ref. No. : RJT/AMB/MAY/2024-25/297

Date : 25/05/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	----	----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	----	----	09/05/24 to 10/05/24	09/05/24 to 10/05/24
3.	Time Of Sampling	Hrs.	----	09.15 to 09.15 AM	10.00 to 10.00 AM
4.	Dominant Wind Direction (From)	----	----	NW	NW
5.	Average Wind Speed	Km/Hrs.	----	3 to 18	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	----	0.5	0.5
7.	Measured Concentration of PM10	µg/M ³	100.00	52	48
8.	Measured Concentration of PM2.5	µg/M ³	60.00	21	17
9.	Measured Concentration of SOx	µg/M ³	80.00	10.8	11.9
10.	Measured Concentration of NOx	µg/M ³	80.00	14.2	15.8
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/MAY/2024-25/299

Date : 25/05/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	10/05/24 to 11/05/24
3.	Time Of Sampling	Hrs.	-----	11.15 AM to 11.15 AM
4.	Dominant Wind Direction (From)	-----	-----	NW
5.	Average Wind Speed	Km/Hrs.	-----	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	61
8.	Measured Concentration of PM2.5	µg/M ³	60.00	25
9.	Measured Concentration of SOx	µg/M ³	80.00	12.5
10.	Measured Concentration of NOx	µg/M ³	80.00	15.4
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/MAY/2024-25/299

Date : 25/05/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	----	----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	----	----	10/05/24 to 11/05/24
3.	Time Of Sampling	Hrs.	----	11.15 AM to 11.15 AM
4.	Dominant Wind Direction (From)	----	----	NW
5.	Average Wind Speed	Km/Hrs.	----	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	----	01
7.	Measured Concentration of PM10	µg/M³	100.00	61
8.	Measured Concentration of PM2.5	µg/M³	60.00	25
9.	Measured Concentration of SOx	µg/M³	80.00	12.5
10.	Measured Concentration of NOx	µg/M³	80.00	15.4
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	----	24


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Analyst

Ref. No. : RJT/AMB/JUNE/2024-25/307

Date : 22/06/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	----	----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	----	----	14/06/24 to 15/06/24	14/06/24 to 15/06/24
3.	Time Of Sampling	Hrs.	----	10.00 to 10.00 AM	10.30 to 10.30 AM
4.	Dominant Wind Direction (From)	----	----	SW	SW
5.	Average Wind Speed	Km/Hrs.	----	3 to 16	3 to 16
6.	Gaseous Sampling Flow Rate	LPM	----	0.5	0.5
7.	Measured Concentration of PM10	µg/M ³	100.00	41	52
8.	Measured Concentration of PM2.5	µg/M ³	60.00	16	21
9.	Measured Concentration of SOx	µg/M ³	80.00	9.9	10.8
10.	Measured Concentration of NOx	µg/M ³	80.00	14.8	15.6
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/JUNE/2024-25/308

Date : 22/06/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**

Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	----	-----	At Village Sikka	Terrace of SDCCCL PrimerySchool
2.	Date Of Sampling	----	-----	15/06/24 to 16/06/24	15/06/24 to 16/06/24
3.	Time Of Sampling	Hrs.	-----	10.30 AM to 10.30 AM	11.00 AM to 11.00 AM
4.	Dominant Wind Direction (From)	----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 17	3 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01	01
7.	Measured Concentration of PM10	µg/M³	100.00	61	56
8.	Measured Concentration of PM2.5	µg/M³	60.00	28	26
9.	Measured Concentration of SOx	µg/M³	80.00	13.4	12.9
10.	Measured Concentration of NOx	µg/M³	80.00	18.9	17.8
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/JUNE/2024-25/309

Date : 22/06/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	15/06/24 to 16/06/24
3.	Time Of Sampling	Hrs.	-----	11.30 AM to 11.30 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	47
8.	Measured Concentration of PM2.5	µg/M ³	60.00	18
9.	Measured Concentration of SOx	µg/M ³	80.00	10.2
10.	Measured Concentration of NOx	µg/M ³	80.00	14.8
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24



CCS Enviro Control LLP



Analyst

Ref. No. : RJT/AMB/JUNE/2024-25/310

Date : 22/06/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 6
1.	Location of Sampling	----	----	At Project Area**
2.	Date Of Sampling	----	----	14/06/24 to 15/06/24
3.	Time Of Sampling	Hrs.	----	11.00 AM to 11.00 AM
4.	Dominant Wind Direction (From)	----	----	SW
5.	Average Wind Speed	Km/Hrs.	----	3 to 16
6.	Gaseous Sampling Flow Rate	LPM	----	01
7.	Measured Concentration of PM10	µg/M³	100.00	52
8.	Measured Concentration of PM2.5	µg/M³	60.00	24
9.	Measured Concentration of SOx	µg/M³	80.00	11.9
10.	Measured Concentration of NOx	µg/M³	80.00	16.4
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	----	24

Note: ** - New Grinding Unit Expansion


CCS Enviro Control LLP


Analyst

Ref. No. : RJT/AMB/JULY/2024-25/420

Date : 27/07/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	-----	-----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	-----	-----	18/07/24 to 19/07/24	18/07/24 to 19/07/24
3.	Time Of Sampling	Hrs.	-----	09.00 to 09.00 AM	09.30 to 09.30 AM
4.	Dominant Wind Direction (From)	-----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18	3 to 16
6.	Gaseous Sampling Flow Rate	LPM		0.5	0.5
7.	Measured Concentration of PM10	µg/M³	100.00	34	42
8.	Measured Concentration of PM2.5	µg/M³	60.00	14	18
9.	Measured Concentration of SOx	µg/M³	80.00	8.7	9.5
10.	Measured Concentration of NOx	µg/M³	80.00	10.3	14.7
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/JULY/2024-25/421

Date : 27/07/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	-----	-----	At Village Sikka	Terrace of SDCCL Primery School
2.	Date Of Sampling	-----	-----	19/07/24 to 20/07/24	19/07/24 to 20/07/24
3.	Time Of Sampling	Hrs.	-----	10.00 AM to 10.00 AM	10.30 AM to 10.30 AM
4.	Dominant Wind Direction (From)	-----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	4 to 17	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01	01
7.	Measured Concentration of PM10	µg/M ³	100.00	50	47
8.	Measured Concentration of PM2.5	µg/M ³	60.00	21	20
9.	Measured Concentration of SOx	µg/M ³	80.00	11.3	11.7
10.	Measured Concentration of NOx	µg/M ³	80.00	16.8	15.9
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/JULY/2024-25/422

Date : 27/07/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	19/07/24 to 20/07/24
3.	Time Of Sampling	Hrs.	-----	11.00 AM to 11.00 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	4 to 17
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	33
8.	Measured Concentration of PM2.5	µg/M ³	60.00	14
9.	Measured Concentration of SOx	µg/M ³	80.00	8.9
10.	Measured Concentration of NOx	µg/M ³	80.00	13.1
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/JULY/2024-25/423

Date : 27/07/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 6
1.	Location of Sampling	----	----	At Project Area**
2.	Date Of Sampling	----	----	18/07/24 to 19/07/24
3.	Time Of Sampling	Hrs.	----	10.00 AM to 10.00 AM
4.	Dominant Wind Direction (From)	----	----	SW
5.	Average Wind Speed	Km/Hrs.	----	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	----	01
7.	Measured Concentration of PM10	µg/M³	100.00	46
8.	Measured Concentration of PM2.5	µg/M³	60.00	21
9.	Measured Concentration of SOx	µg/M³	80.00	10.6
10.	Measured Concentration of NOx	µg/M³	80.00	14.9
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	----	24

Note: ** - New Grinding Unit Expansion


CCS Enviro Control LLP


Analyst

Ref. No.: RJT/AMB/AUGUST/2024-25/169

Date : 16/08/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	-----	-----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	-----	-----	07/08/24 to 08/07/24	07/08/24 to 08/07/24
3.	Time Of Sampling	Hrs.	-----	08.30 AM to 08.30 AM	08.50 AM to 08.50 AM
4.	Dominant Wind Direction (From)	-----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	2 to 16	2 to 16
6.	Gaseous Sampling Flow Rate	LPM		0.5	0.5
7.	Measured Concentration of PM10	µg/M³	100.00	26	31
8.	Measured Concentration of PM2.5	µg/M³	60.00	11	14
9.	Measured Concentration of SOx	µg/M³	80.00	7.8	8.5
10.	Measured Concentration of NOx	µg/M³	80.00	9.6	12.4
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No.: RJT/AMB/AUGUST/2024-25/170

Date : 16/08/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	-----	-----	At Village Sikka	Terrace of SDCCL Primery School
2.	Date Of Sampling	-----	-----	08/08/24 to 09/08/24	08/08/24 to 09/08/24
3.	Time Of Sampling	Hrs.	-----	10.40 AM to 10.40 AM	11.10 AM to 11.10 AM
4.	Dominant Wind Direction (From)	-----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	-----	01	01
7.	Measured Concentration of PM10	µg/M ³	100.00	40	36
8.	Measured Concentration of PM2.5	µg/M ³	60.00	16	16
9.	Measured Concentration of SOx	µg/M ³	80.00	10.8	10.3
10.	Measured Concentration of NOx	µg/M ³	80.00	15.6	14.8
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24	24



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/AUGUST/2024-25/171

Date : 16/08/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	08/08/24 to 09/08/24
3.	Time Of Sampling	Hrs.	-----	11.50 AM to 11.50 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	26
8.	Measured Concentration of PM2.5	µg/M ³	60.00	11
9.	Measured Concentration of SOx	µg/M ³	80.00	7.6
10.	Measured Concentration of NOx	µg/M ³	80.00	11.3
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24



CCS Enviro Control LLP



Analyst

Ref. No. : RJT/AMB/AUGUST/2024-25/172

Date : 16/08/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
Digvijaygram,
At Sikka,
Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 6
1.	Location of Sampling	-----	-----	At Project Area**
2.	Date Of Sampling	-----	-----	07/08/24 to 08/08/24
3.	Time Of Sampling	Hrs.	-----	09.20 AM to 09.20 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	2 to 16
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M ³	100.00	38
8.	Measured Concentration of PM2.5	µg/M ³	60.00	17
9.	Measured Concentration of SOx	µg/M ³	80.00	9.5
10.	Measured Concentration of NOx	µg/M ³	80.00	13.1
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	24

Note: ** - New Grinding Unit Expansion

CCS Enviro Control LLP



Analyst



Ref. No. : RJT/AMB/SEPTEMBER/2024-25/220

Date : 19/09/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 3	Location # 4
1.	Location of Sampling	-----	-----	At Village Sikka	Terrace of SDCCL Primery School
2.	Date Of Sampling	-----	-----	11/09/24 to 12/09/24	11/09/24 to 12/09/24
3.	Time Of Sampling	Hrs.	-----	10.40 AM to 10.40 AM	11.10 AM to 11.10 AM
4.	Dominant Wind Direction (From)	-----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	-----	01	01
7.	Measured Concentration of PM10	µg/M ³	100.00	38	32
8.	Measured Concentration of PM2.5	µg/M ³	60.00	14	12
9.	Measured Concentration of SOx	µg/M ³	80.00	11.2	9.8
10.	Measured Concentration of NOx	µg/M ³	80.00	13.2	12.3
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	21	21



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/SEPTEMBER/2024-25/221

Date : 19/09/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 5
1.	Location of Sampling	-----	-----	Terrace of CustomOffice (Jetty)
2.	Date Of Sampling	-----	-----	11/09/24 to 12/09/24
3.	Time Of Sampling	Hrs.	-----	11.50 AM to 11.50 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	3 to 18
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M³	100.00	21
8.	Measured Concentration of PM2.5	µg/M³	60.00	12
9.	Measured Concentration of SOx	µg/M³	80.00	8.3
10.	Measured Concentration of NOx	µg/M³	80.00	12.1
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	21



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/SEPTEMBER/2024-25/222

Date : 19/09/2024

Report of Ambient Air Quality Monitoring

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 6
1.	Location of Sampling	-----	-----	At Project Area**
2.	Date Of Sampling	-----	-----	10/09/24 to 11/09/24
3.	Time Of Sampling	Hrs.	-----	09.20 AM to 09.20 AM
4.	Dominant Wind Direction (From)	-----	-----	SW
5.	Average Wind Speed	Km/Hrs.	-----	2 to 16
6.	Gaseous Sampling Flow Rate	LPM	-----	01
7.	Measured Concentration of PM10	µg/M³	100.00	32
8.	Measured Concentration of PM2.5	µg/M³	60.00	12
9.	Measured Concentration of SOx	µg/M³	80.00	10.6
10.	Measured Concentration of NOx	µg/M³	80.00	14.2
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	21

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/AMB/SEPTEMBER/2024-25/223

Date : 19/09/2024

Report of Ambient Air Quality Monitoring

 Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram, At Sikka, Taluka & District: Jamnagar.

Sr.No.	Parameter	Unit	Permissible Limit	Location # 1	Location # 2
1.	Location of Sampling	----	-----	On the Terrace of Guest House	Near Loco Shed
2.	Date Of Sampling	----	-----	10/09/24 to 11/09/24	10/09/24 to 11/09/24
3.	Time Of Sampling	Hrs.	-----	08.30 AM to 08.30 AM	08.50 AM to 08.50 AM
4.	Dominant Wind Direction (From)	----	-----	SW	SW
5.	Average Wind Speed	Km/Hrs.	-----	2 to 16	2 to 16
6.	Gaseous Sampling Flow Rate	LPM	-----	0.5	0.5
7.	Measured Concentration of PM10	µg/M ³	100.00	28	33
8.	Measured Concentration of PM2.5	µg/M ³	60.00	10	12
9.	Measured Concentration of SOx	µg/M ³	80.00	8.3	9.7
10.	Measured Concentration of NOx	µg/M ³	80.00	10.4	14.3
11.	Duration of Sampling for PM10 & PM2.5	Hrs.	-----	21	21



CCS Enviro Control LLP




Analyst

Ref No.: RJT/WP/APRIL/2024-2025/34

Date: 15/04/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Raw Mill Area	Total Dust (SPM)	Dust Sampler	1	1.752	1.752

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	4 - 10	-----		MEET BORSADIYA

Date of Monitoring: 5th April, 2024




CCS Enviro Control LLP

Ref No.: RJT/WP/MAY/2024-2025/304

Date: 25/05/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Coal Mill Area	Total Dust (SPM)	Dust Sampler	1	1.888	1.888

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	3 - 6	-----		MAULIK VYAS

Date of Monitoring: 9th May, 2024




CCS Enviro Control LLP

Ref No.: RJT/WP/JUNE/2024-25/311

Date: 22/06/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Packing Area	Total Dust (SPM)	Dust Sampler	1	2.156	2.156

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	6 - 11	-----		MEET BORSADIYA

Date of Monitoring: 14th June, 2024




CCS Enviro Control LLP

Ref No.: RJT/WP/JULY/2024-25/424

Date: 27/07/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Cement Mill	Total Dust (SPM)	Dust Sampler	1	1.656	1.656

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	05 - 10	-----		MEET BORSADIYA

Date of Monitoring: 18th July, 2024




CCS Enviro Control LLP

Ref No.: RJT/WP/AUGUST/2024-25/178

Date: 16/08/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Coal Mill	Total Dust (SPM)	Dust Sampler	1	1.562	1.562

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	06 - 12	-----		MEET BORSADIYA

Date of Monitoring: 07th August, 2024




CCS Enviro Control LLP

Ref No.: RJT/WP/SEPTEMBER /2024-25/229

Date: 19/09/2024

TEST REPORT OF WORK PLACE MONITORING

F/OPN/08
Issue No:01
Page 1 of 1

FORM No. 37

(Prescribed under Rules 12-B)

**Register containing particulars of monitoring of working environmental required under
Section 7 – A (a) (e)**

1. Name of Company: **Shree Digvijay Cement Co. Limited.**
Digvijaygram, At Sikka, Taluka & District: Jamnagar.

2. Raw Materials, by-products and finished products involving in process:

Raw Materials	Finish Products
Limestone, Gypsum	Cement, Power Generation (CPP) from waste heat

3. Particulars of Sampling:

Sr. No.	Location/Operation Mentioned	Identified Contaminant	Sampling Instrument Used	Air Borne Contamination		Average mg/m ³
				Number of sample	Range mg/m ³	
1.	Near Coal Mill	Total Dust (SPM)	Dust Sampler	1	1.383	1.383

Sr. No.	TWA Concentration (as given in Second Schedule)	Reference Method	Numbers of Workers exposed at the Location being monitored	Remarks	Signature of Person taking samples	Name (in Block letters)
1.	Total Dust (SPM) Max. Limit 10 mg/m ³	IS-5182 (Part-4) :1999	06 - 12	-----		MEET BORSADIYA

Date of Monitoring: 10th September, 2024




CCS Enviro Control LLP



Registered Office:
201-204, 2nd Floor, Sterling Apartments,
Opp. Alfred High School,
Jawahar Road, Rajkot – 360 001.
Tel.: +91 281 2225676, 2226399
E-mail: rjt@cometconserve.com
Website: www.cometconserve.com

Ref No.: RJT/DRI/MAY/2024-2025/306

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSISIssue No:02
Page 1 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Description of Sample	:	Bore well Water from Opp. Pump House	Quantity/No. Of Samples	:	02 lits.
Date of Sampling	:	10/05/2024	Sampling Procedure	:	Grab
Sampling By	:	Maulik Vyas	Purpose	:	--
Sample Receipt Date	:	11/05/2024	Lab ID	:	W-306
Packing/Seal	:	Sealed	Test Parameters & Method	:	APHA-23 rd Edition
Analysis Started on	:	11/05/2024	Analysis Concluded on	:	20/05/2024

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
1.	Colour	Pt. Co. Scale	15	Colourless	APHA-23 rd Edition 2120 B
2.	Odour	-----	Agreeable	Agreeable	APHA-23 rd Edition 2150 B
3.	Taste	-----	Agreeable	Agreeable	APHA-23 rd Edition 2160 B
4.	pH Value	pH Unit	6.5 to 8.5	7.88	APHA-23 rd Edition 4500 H ⁺ B
5.	Total Dissolved Solids (TDS)	mg/L	2000	1440	APHA-23 rd Edition 2540 C
6.	Total Suspended Solids (TSS)	mg/L	---	26	APHA-23 rd Edition 2540 D
7.	Total Solids (TS)	mg/L	---	1466	APHA-23 rd Edition 2540 B
8.	Chloride	mg/L	1000	310	APHA-23 rd Edition 4500 Cl ⁻ B
9.	Sulphate	mg/L	400	225	APHA-23 rd Edition 4500 SO ₄ ⁻² E
10.	Total Hardness (as CaCO ₃)	mg/L	600	480	APHA-23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	200	104	APHA-23 rd Edition 3500 Ca B
12.	Magnesium as Mg	mg/L	100	54	APHA-23 rd Edition 3500 -Mg B
13.	Total Alkalinity (as CaCO ₃)	mg/L	600	360	APHA-23 rd Edition 2320 B
14.	Turbidity	NTU	5.0	< 01	APHA-23 rd Edition 2130 B
15.	Fluorides	mg/L	1.5	0.09	APHA-23 rd Edition 4500 B
16.	Residual Free Chlorine	mg/L	1.0	BDL	Comparison Method
17.	Nitrates	mg/L	45	22	IS : 3025(P-34) : 1988

Ref No.: RJT/DRI/MAY/2024-2025/306

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSIS

Issue No:02
Page 2 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
18.	Copper as Cu	mg/L	1.5	BDL	AAS APHA – 23 rd Edition 3111 B
19.	Mercury as Hg	mg/L	0.001	BDL	AAS APHA – 23 rd Edition 3112 B
20.	Cadmium as Cd	mg/L	0.003	BDL	AAS APHA – 23 rd Edition 3111 B
21.	Selenium as Se	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3114 B
22.	Arsenic as As	mg/L	0.05	BDL	AAS APHA – 23 rd Edition 3112 B
23.	Cyanide as CN	mg/L	0.05	BDL	APHA - 23 rd Edition 4500 CNE
24.	Aluminum as Al	mg/L	0.2	BDL	AAS APHA – 23 rd Edition 3111 B
25.	Lead as Pb	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3111 B
26.	Zinc as Zn	mg/L	15	BDL	AAS APHA – 23 rd Edition 3111 B
27.	Hexavalent Chromium as Cr ⁺⁶	mg/L	---	BDL	APHA – 23 rd Edition 3500 CrB
28.	Boron as B	mg/L	1.0	BDL	APHA – 23 rd Edition 4500 B
29.	E-Coli	MPN/100ml	Absent	Absent	IS: 1622 :1981 Edi 2.4 (2003-05)
30.	Total Coli form	MPN/100ml	Absent	Absent	APHA – 23 rd Edition 9221 B & C



CCS Enviro Control LLP

Analyst

Ref No.: RJT/DRI/MAY/2024-2025/307

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSIS

Issue No:02
Page 1 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Description of Sample	:	Bore well Water from Near Primary Crusher	Quantity/No. Of Samples	:	02 lits.
Date of Sampling	:	10/05/2024	Sampling Procedure	:	Grab
Sampling By	:	Maulik Vyas	Purpose	:	--
Sample Receipt Date	:	11/05/2024	Lab ID	:	W-307
Packing/Seal	:	Sealed	Test Parameters & Method	:	APHA-23 rd Edition
Analysis Started on	:	11/05/2024	Analysis Concluded on	:	20/05/2024

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
1.	Colour	Pt. Co. Scale	15	Colourless	APHA-23 rd Edition 2120 B
2.	Odour	-----	Agreeable	Agreeable	APHA-23 rd Edition 2150 B
3.	Taste	-----	Agreeable	Agreeable	APHA-23 rd Edition 2160 B
4.	pH Value	pH Unit	6.5 to 8.5	6.74	APHA-23 rd Edition 4500 H ⁺ B
5.	Total Dissolved Solids (TDS)	mg/L	2000	1255	APHA-23 rd Edition 2540 C
6.	Total Suspended Solids (TSS)	mg/L	---	20	APHA-23 rd Edition 2540 D
7.	Total Solids (TS)	mg/L	---	1275	APHA-23 rd Edition 2540 B
8.	Chloride	mg/L	1000	166	APHA-23 rd Edition 4500 Cl ⁻ B
9.	Sulphate	mg/L	400	127	APHA-23 rd Edition 4500 SO ₄ ⁻² E
10.	Total Hardness (as CaCO ₃)	mg/L	600	420	APHA-23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	200	88	APHA-23 rd Edition 3500 Ca B
12.	Magnesium as Mg	mg/L	100	49	APHA-23 rd Edition 3500 -Mg B
13.	Total Alkalinity (as CaCO ₃)	mg/L	600	460	APHA-23 rd Edition 2320 B
14.	Turbidity	NTU	5.0	< 01	APHA-23 rd Edition 2130 B
15.	Fluorides	mg/L	1.5	0.16	APHA-23 rd Edition 4500 B
16.	Residual Free Chlorine	mg/L	1.0	BDL	Comparison Method
17.	Nitrates	mg/L	45	18	IS : 3025(P-34) : 1988

Ref No.: RJT/DRI/MAY/2024-2025/307

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSIS

Issue No:02
Page 2 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
18.	Copper as Cu	mg/L	1.5	BDL	AAS APHA – 23 rd Edition 3111 B
19.	Mercury as Hg	mg/L	0.001	BDL	AAS APHA – 23 rd Edition 3112 B
20.	Cadmium as Cd	mg/L	0.003	BDL	AAS APHA – 23 rd Edition 3111 B
21.	Selenium as Se	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3114 B
22.	Arsenic as As	mg/L	0.05	BDL	AAS APHA – 23 rd Edition 3112 B
23.	Cyanide as CN	mg/L	0.05	BDL	APHA - 23 rd Edition 4500 CNE
24.	Aluminum as Al	mg/L	0.2	BDL	AAS APHA – 23 rd Edition 3111 B
25.	Lead as Pb	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3111 B
26.	Zinc as Zn	mg/L	15	BDL	AAS APHA – 23 rd Edition 3111 B
27.	Hexavalent Chromium as Cr ⁺⁶	mg/L	---	BDL	APHA – 23 rd Edition 3500 CrB
28.	Boron as B	mg/L	1.0	BDL	APHA – 23 rd Edition 4500 B
29.	E-Coli	MPN/100ml	Absent	Absent	IS: 1622 :1981 Edi 2.4 (2003-05)
30.	Total Coli form	MPN/100ml	Absent	Absent	APHA – 23 rd Edition 9221 B & C



CCS Enviro Control LLP

Analyst

Ref No.: RJT/DRI/MAY/2024-2025/308

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSIS

Issue No:02
Page 1 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Description of Sample	:	Bore well Water from Near Raw Material Gate	Quantity/No. Of Samples	:	02 lits
Date of Sampling	:	10/05/2024	Sampling Procedure	:	Grab
Sampling By	:	Maulik Vyas	Purpose	:	--
Sample Receipt Date	:	11/05/2024	Lab ID	:	W-308
Packing/Seal	:	Sealed	Test Parameters & Method	:	APHA-23 rd Edition
Analysis Started on	:	11/05/2024	Analysis Concluded on	:	20/05/2024

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
1.	Colour	Pt. Co. Scale	15	Colourless	APHA-23 rd Edition 2120 B
2.	Odour	-----	Agreeable	Agreeable	APHA-23 rd Edition 2150 B
3.	Taste	-----	Agreeable	Agreeable	APHA-23 rd Edition 2160 B
4.	pH Value	pH Unit	6.5 to 8.5	7.14	APHA-23 rd Edition 4500 H ⁺ B
5.	Total Dissolved Solids (TDS)	mg/L	2000	1815	APHA-23 rd Edition 2540 C
6.	Total Suspended Solids (TSS)	mg/L	---	33	APHA-23 rd Edition 2540 D
7.	Total Solids (TS)	mg/L	---	1848	APHA-23 rd Edition 2540 B
8.	Chloride	mg/L	1000	384	APHA-23 rd Edition 4500 Cl ⁻ B
9.	Sulphate	mg/L	400	212	APHA-23 rd Edition 4500 SO ₄ ⁻² E
10.	Total Hardness (as CaCO ₃)	mg/L	600	530	APHA-23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	200	112	APHA-23 rd Edition 3500 Ca B
12.	Magnesium as Mg	mg/L	100	61	APHA-23 rd Edition 3500 -Mg B
13.	Total Alkalinity (as CaCO ₃)	mg/L	600	430	APHA-23 rd Edition 2320 B
14.	Turbidity	NTU	5.0	< 01	APHA-23 rd Edition 2130 B
15.	Fluorides	mg/L	1.5	0.22	APHA-23 rd Edition 4500 B
16.	Residual Free Chlorine	mg/L	1.0	BDL	Comparison Method
17.	Nitrates	mg/L	45	25	IS : 3025(P-34) : 1988

Ref No.: RJT/DRI/MAY/2024-2025/308

Date: 25/05/2024

TEST REPORT OF PHYSICO – CHEMICAL ANALYSIS

Issue No:02
Page 2 of 2

Name of Company: Shree Digvijay Cement Co. Limited,
Digvijaygram, At Sikka,
Taluka & District: Jamnagar.

Sr. No.	Parameters	Unit	Permissible Limits as per IS-10500	Test Results	Test Method
18.	Copper as Cu	mg/L	1.5	BDL	AAS APHA – 23 rd Edition 3111 B
19.	Mercury as Hg	mg/L	0.001	BDL	AAS APHA – 23 rd Edition 3112 B
20.	Cadmium as Cd	mg/L	0.003	BDL	AAS APHA – 23 rd Edition 3111 B
21.	Selenium as Se	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3114 B
22.	Arsenic as As	mg/L	0.05	BDL	AAS APHA – 23 rd Edition 3112 B
23.	Cyanide as CN	mg/L	0.05	BDL	APHA - 23 rd Edition 4500 CNE
24.	Aluminum as Al	mg/L	0.2	BDL	AAS APHA – 23 rd Edition 3111 B
25.	Lead as Pb	mg/L	0.01	BDL	AAS APHA – 23 rd Edition 3111 B
26.	Zinc as Zn	mg/L	15	BDL	AAS APHA – 23 rd Edition 3111 B
27.	Hexavalent Chromium as Cr ⁺⁶	mg/L	---	BDL	APHA – 23 rd Edition 3500 CrB
28.	Boron as B	mg/L	1.0	BDL	APHA – 23 rd Edition 4500 B
29.	E-Coli	MPN/100ml	Absent	Absent	IS: 1622 :1981 Edi 2.4 (2003-05)
30.	Total Coli form	MPN/100ml	Absent	Absent	APHA – 23 rd Edition 9221 B & C




CCS Enviro Control LLP



Analyst

Ref. No. : RJT/NOI/APRIL/2024-25/35

Date : 15/04/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 06/04/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	60.8	56.2
2.	Near Loco Shed	64.1	60.2
3.	Near SDCCL Primary School	62.3	58.1
4.	Near Sikka Village	65.9	62.3
5.	Near Custom Office (Jetty)	63.3	58.6
6.	Near Coal Mill Area	65.8	62.9
7.	Near Waste Heat Recovery Area	68.6	62.3
8.	Near Cooler Area	64.2	62.5
9.	Near Raw Mill Area	65.6	61.1
10.	Near STP Plant	62.7	58.5


CCS Enviro Control LLP


Analyst

Ref. No. : RJT/NOI/MAY/2024-25/305

Date : 25/05/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 10/05/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	61.4	58.3
2.	Near Loco Shed	65.6	59.9
3.	Near SDCCL Primary School	63.1	56.8
4.	Near Sikka Village	67.8	62.7
5.	Near Custom Office (Jetty)	64.2	59.3
6.	Near Coal Mill Area	66.6	63.4
7.	Near Waste Heat Recovery Area	67.5	61.0
8.	Near Cooler Area	65.8	60.9
9.	Near Raw Mill Area	67.2	62.6
10.	Near STP Plant	60.8	56.4
11.	Near Cement Mill Area	68.8	63.8
12.	At Project Area**	67.9	62.4

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/NOI/JUNE/2024-25/312

Date : 22/06/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 14/06/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	59.2	56.3
2.	Near Loco Shed	66.8	60.9
3.	Near SDCCL Primary School	62.4	58.6
4.	Near Sikka Village	66.1	60.5
5.	Near Custom Office (Jetty)	61.5	58.7
6.	Near Coal Mill Area	67.2	65.3
7.	Near Waste Heat Recovery Area	66.7	63.1
8.	Near Cooler Area	67.0	64.8
9.	Near Raw Mill Area	67.9	65.1
10.	Near STP Plant	59.4	56.9
11.	Near Cement Mill Area	68.2	65.3
12.	At Project Area**	66.7	63.2

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/NOI/JULY/2024-25/425

Date : 27/07/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 18/07/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	60.3	57.2
2.	Near Loco Shed	67.5	61.3
3.	Near SDCCL Primary School	61.6	57.8
4.	Near Sikka Village	65.8	60.7
5.	Near Custom Office (Jetty)	62.4	57.3
6.	Near Coal Mill Area	68.9	64.2
7.	Near Waste Heat Recovery Area	66.4	62.7
8.	Near Cooler Area	67.8	63.1
9.	Near Raw Mill Area	66.0	63.5
10.	Near STP Plant	60.3	57.2
11.	Near Cement Mill Area	69.6	64.7
12.	At Project Area**	65.2	62.1

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/NOI/AUGUST/2024-25/177

Date : 16/08/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 08/08/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	59.6	55.3
2.	Near Loco Shed	64.2	60.1
3.	Near SDCCL Primary School	62.6	57.8
4.	Near Sikka Village	63.4	59.2
5.	Near Custom Office (Jetty)	58.7	54.3
6.	Near Coal Mill Area	69.3	62.5
7.	Near Waste Heat Recovery Area	65.1	61.2
8.	Near Cooler Area	68.9	62.3
9.	Near Raw Mill Area	67.4	62.8
10.	Near STP Plant	61.4	57.6
11.	Near Cement Mill Area	70.1	65.2
12.	At Project Area**	66.9	62.1

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

Ref. No. : RJT/NOI/SEPTEMBER/2024-25/230

Date : 19/09/2024

Report of Noise Level Measurement

Name of Company : **Shree Digvijay Cement Co. Limited,**
 Digvijaygram,
 At Sikka,
 Taluka & District: Jamnagar.

Date of Sampling : 10/09/2024

Sr. No.	Location of Sampling	Results in Day Time (6.00 am to 10.00 pm) in dB(A)	Results in Night Time (10.00 pm to 6.00 am) in dB(A)
	Permissible Limits	75.0	70.0
1.	At Guest House	58.4	54.1
2.	Near Loco Shed	63.6	59.7
3.	Near SDCCL Primary School	61.2	58.3
4.	Near Sikka Village	64.9	60.6
5.	Near Custom Office (Jetty)	57.3	55.8
6.	Near Coal Mill Area	70.5	63.6
7.	Near Waste Heat Recovery Area	66.2	62.2
8.	Near Cooler Area	67.7	63.4
9.	Near Raw Mill Area	66.1	61.9
10.	Near STP Plant	62.6	58.3
11.	Near Cement Mill Area	71.3	66.9
12.	At Project Area**	67.3	63.2

Note: ** - New Grinding Unit Expansion



CCS Enviro Control LLP




Analyst

CORPORATE ENVIRONMENTAL POLICY**UNIT – SHREE DIGVIJAY CEMENT COMPANY LIMITED**

As an integral part of our business philosophy and governance practices, Shree Digvijay Cement Co. Ltd. (Company) is committed to contribute towards ensuring a clean and sustainable environment by continually improving Company's environmental performance.

To achieve this goal, we proactively commit ourselves to:

- Conduct all Company's operations in an environmentally responsible manner, in compliance with the applicable environmental legislations and governance practices.
- Continuously assess our environmental impacts and measure and improve our environmental performance by adopting best practices for prevention and control of pollution.
- Minimize the impact on various components of the environment, particularly on Air, Water, Land and Natural Resources through conscious and concerted efforts.
- Invest in research and development of environmentally sustainable products and technologies which have low ecological footprint over their life cycle.
- Make continuous efforts to increase the use of non carbonaceous raw material, renewable energy and fuels and co-processing of wastes to reduce our greenhouse gases footprint.
- Implement and continually improve the Environmental Management System (EMS) across all our operations.

Date : 21.04.2018
Place : Digvijaygram


Chief Executive Officer
and Whole Time Director



Phone: +91 180 234 4232-76
Fax: +91 200 234 4002

SHREE DIGVIJAY CEMENT CO. LTD.

CIN (20040101)MAYN0101000

Regd. Office: Post Digvijaygram

Dist: SBC Nagar | State: | PIN:

E-mail: info.sbc@votorantim.com

Web: www.digvijaycement.com



**KAMAL
CEMENT**

SINCE 1944

24th April'2023

SDCCL /CP/Expansion/2022-23/5

Member Secretary,
Gujarat Pollution Control Board
Paryavaran Bhavan
Sector – 10 – A,
Gandhinagar - 382010

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

Dear Sir,

This is to inform that the Ministry of Environment, Forest & Climate Change, Impact Assessment Division, Government of India, New Delhi – 110003 has accorded Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat vide Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023.

A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,

For, Shree Digvijay Cement Company Limited

Authorised Signatory

24/04/23
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

CC : **Unit Head (Jamnagar),** Gujarat Pollution Control Board, Paryavaran Bhavan, Sector – 10 – A, Gandhinagar - 382010



SINCE 1944

24th April'2023

SDCCL /CP/Expansion/2022-23/5

Member Secretary,
Gujarat Pollution Control Board
Paryavaran Bhavan
Sector - 10 - A,
Gandhinagar - 382010

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

Dear Sir,

This is to inform that the Ministry of Environment, Forest & Climate Change, Impact Assessment Division, Government of India, New Delhi - 110003 has accorded Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat vide Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023.

A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,

For, Shree Digvijay Cement Company Limited

Authorised Signatory

27/04/23
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

✓ **EC : Unit Head (Jamnagar), Gujarat Pollution Control Board, Paryavaran Bhavan, Sector - 10 - A, Gandhinagar - 382010**



SDCCL /CP/Expansion/2022-23/9

24th April'2023

Regional Assistant Labour Commissioner (C)

Shram Bhavan,
4th Floor, Nr.Gun House,
Khanpur,
Ahmedabad – 380001, Gujarat

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

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We request you to take note of the above information and record.

Thanking you,

Yours Faithfully,

For, Shree Digvijay Cement Company Limited

Authorised Signatory



CC:

- (1) Assistant Labour Commissioner (C), Kothi Compound, Opp. Civil Hospital, Rajkot
- (2) Labour Enforcement Officer, Kothi Compound, Opp. Civil Hospital, Rajkot

Beegda J.
26/04/2023



SDCCL /CP/Expansion/2022-23/3

24th April'2023

Prant Officer (Jamnagar Rural)

Jilla Seva Sadan,
Saru Section Road,
Jamnagar - 361002

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

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A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,

Yours Faithfully,

For, Shree Digvijay Cement Company Limited


Authorised Signatory

✓ CC : Mamlatdar (Jamnagar Rural), Jilla Seva Sadan, Saru Section Road, Jamnagar - 361002



SDCCL /CP/Expansion/2022-23/7

24th April'2023

President
Jilla Panchayat
Jilla Panchayat Office
Jamnagar - 361008,
Gujarat

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

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A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,
For, Shree Digvijay Cement Company Limited


Authorised Signatory



SDCCL /CP/Expansion/2022-23/8

24th April'2023

Asst. Director Industrial Safety and Health
Sweet House, Indira Road,
Opp. Hotel Bansi,
Jamnagar - 361008,
Gujarat

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

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We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,
For, Shree Digvijay Cement Company Limited

Authorised Signatory

Handwritten signature
26/04/2023
કલાર્ક
ડેપુટી ડાયરેક્ટર
ઇન્ડસ્ટ્રીયલ સેફ્ટી એન્ડ હેલ્થની કચેરી
જામનગર



SDCCL /CP/Expansion/2022-23/11

24th April'2023

The PCCF & HOFF,
Block A, 1st Floor,
Aranya Bhavan,
Opp, St. Xaviers School,
Near Ch-3 Circle, Sector-10/A,
Gandhinagar - 382010.

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

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A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,
For, Shree Digvijay Cement Company Limited

Authorised Signatory

24/4/2023
Deepak Chavhan
Principal Chief Conservator of Forests
Gujarat State, Aranya Bhavan,
Gandhinagar-382010

CC: DCF – MNP, Marine National Park, Vansankul, Ganjivada, Nr. Nagnath Gate, Jamnagar
DCF – Forest, Vansankul, Ganjivada, Nr. Nagnath Gate, Jamnagar



SDCCL /CP/Expansion/2022-23/12

24th April'2023

The Regional Officer,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
A wing- 407 & 409,
Aranya Bhawan,
Near CH-3 Circle, Sector-10 A,
Gandhi Nagar -382010.

Sub.: Intimation regarding Grant of Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.

Ref.: Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023 of MoEF & CC, New Delhi.

Dear Sir,

This is to inform that the Ministry of Environment, Forest & Climate Change, Impact Assessment Division, Government of India, New Delhi – 110003 has accorded Environment Clearance to Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS of Shree Digvijay Cement Company Limited, located in 48.71 Ha, at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat vide Environment Clearance Letter No. F.No.IA-J-11011/409/2019-IA-II (IND-I) dated 21.04.2023.

A copy of Environment Clearance letter is attached herewith for your kind perusal and information please.

We request you to take note of the above information and record.

Thanking you,
Yours Faithfully,
For, Shree Digvijay Cement Company Limited

Authorised Signatory





SDCCL/ENV/2023/24/ F – 02

Date: 28/12/2023

To,
Deputy Director General of forests (C),
Ministry of Environment, Forests & Climate Change
Integrated Regional Office, A Wing – 407 & 409,
Aranya Bhavan, Near CH – 3 Circle, Sector 10 – A, Gandhinagar 382010

Mail Id : iro.gandhinagar_mefcc@gov.in

Subject: Intimation regarding the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
(B. General Conditions/ X. Miscellaneous / (vii.))

Ref: EC letter no. F. No. IA-J-11011/409/2019-IA-II(IND-I) dated 21st April, 2023
EC Identification No. EC23A009GJ110379
[Expansion of Cement Plant (1.20 MTPA to 3.00 MTPA) & Clinker (1.10 MTPA to 2.21 MTPA) with 8.5 MW WHRS in 48.71 ha, M/s. Shree Digvijay Cement Co. Ltd., located at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat.]

Dear Sir/Madam,

With reference to the above subject, we would like to inform you that as per our EC letter no. F. No. IA-J-11011/409/2019-IA-II(IND-I) dated 21st April, 2023/ B. General Conditions/ X. Miscellaneous / (vii.), we will start the land development work of the expansion project with effect from 29th December 2023.

The start of production operation by the project will be communicated in due course.

This is for your kind information and record please.

Thanking you,

Yours faithfully,
For Shree Digvijay Cement Co. Ltd.

R Krishna Kumar
Authorized Signatory



8/1/2024
GUJARAT POLLUTION CONTROL BOARD
Sardar
Jamnagar

**SHREE DIGVIJAY
CEMENT CO. LTD.**

Registered Office & Works
Post- Digvijaygram 361140, Jamnagar,
Gujarat, India.
CIN L26940GJ1944PLC000749

+91 288 234 4272-75
+91 288 234 4092
info@digvijaycement.com
www.digvijaycement.com



Cc: Ministry of Environment, Forest and Climate Change
I.A. Division- Industry Sector,
Indira Paryavaran Bhawan,
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

MEMBER SECRETARY,
Gujarat Pollution Control Board
Sector 10-A, Paryavaran Bhavan
Gandhinagar – 382 010

The Regional Officer
Gujarat Pollution Control Board, JADA Building,
Sardar Patel Bhavan, Kasturba Gandhi Road, Opp. TB Hospital,
Jamnagar – 361 005

**SHREE DIGVIJAY
CEMENT CO. LTD.**

® Registered Office & Works
Post- Digvijaygram 361140, Jamnagar,
Gujarat, India.
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☎ +91 288 234 4272-75
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