

Ref. No. JK/Jharli/PC-01/949

Dated - 25th November, 2022

To,
The Member Secretary
State Level Environment Impact
Assessment Authority, Bay No. 55-58
1st floor, Paryatan Bhawan
Sector-2 Panchkula, Haryana-21
E mail: env@hry.gov.in

Sub: Submission of the Six Monthly Compliance Report of stipulated conditions in the Environmental Clearance granted for Clinker Grinding Unit of Capacity 2.0 MTPA of M/s. J.K. Cement Works at Jharli, Jhajjar Haryana for the period: **April, 2022 to Sept. 2022.**

Ref: - EC granted by SEIAA vide letter No. SEIAA/HR/2013/647 dated 04.09.2013.

Dear Sir,

This is context to the above subject & reference, we are submitting herewith the Six Monthly Compliance Report of stipulated conditions in Environmental Clearance granted by SEIAA, Panchkula (Haryana) for Clinker Grinding Unit of Capacity 2.0 MTPA of M/s. J.K. Cement Works at Jharli, Jhajjar Haryana for the period: **April, 2022 to Sept., 2022** as per the above reference EC letter. In compliance with MoEF & CC O.M. dated 18.07.2022 we are also submitting a report on measures taken for spread awareness on Single Use Plastic Ban in project area as well as surrounding area along with photographs.

As per MoEF & CC notification vide No.: S.O. 5845(E) dated 26.11.2018 regarding to submit the Environment Clearance Compliance Report in soft copy only and in compliance to the same, we are hereby submitting the EC Compliance through e-mail for your kind reference and record please.

We trust, your good self will find the same in order.

Thanking you,

Yours faithfully,



Kapil Agrawal
Unit Head

J.K. Cement Works
Jharli, Jhajjar (Haryana)-124106

Encl. As above.

- C.C. : 1. The Member Secretary, HSPCB, Panchkula, Haryana E mail: hspcbms@gmail.com
2. The Regional Officer, HSPCB, SCF No. 42 & 43, Shopping Centre, Sector-6, Huda, Bahadurgarh, 124507 Bahadurgarh, Haryana E mail: hspcbrobdh@gmail.com
3. The Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh - 160030, Chandigarh, Haryana E mail: ronz.chd-mef@nic.in
4. The Regional Director, CPCB Regional Office, Zonal Office (North), Bharat Sanchar Nigam Limited, Chandi Path, Sector 49, Chandigarh, 160047
E mail: gurnamsingh.cpcb@nic.in, sdave.cpcb@nic.in.

Corporate Office

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JK SUPER
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Registered Office: Kamla Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 91-512-2399854 www.jkcement.com



J.K. Cement Ltd. At Village- Jharli, Tehsil Matanhail, District-Jhajjar(HR)
(EC No. SEIAA/HR/2013/647 dated 04-09-2013)



Six monthly EC compliance report for the period from April 2022 to September 2022 Dated:25.11.2022

Part A. - Specific Conditions

Sr. No.	Condition	Reply																																																	
1.	Particulate emission shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system viz. Bag House filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Chandigarh, SEIAA Haryana, HSPCB, Panchkula and CPCB regularly.	<p>Being Complied.</p> <p>Bag house and bag filters has been provided at various points and Particulate emission is being maintained well within prescribed limit. Ambient air, fugitive and stack emissions monitoring reports is being submitted regularly to the Ministry's Regional Office at Chandigarh, SEIAA Haryana, HSPCB, Panchkula and CPCB. Copy of Monitoring reports are enclosed as Annexure-1.</p> <p>Six monthly (April 2022-September 2022) Ambient air monitoring Average report is given below:- Results are in (µg/M³)</p> <table><tr><th>Location</th><th>PM2.5</th><th>PM10</th><th>NO_x</th><th>SO2</th></tr><tr><td>L1</td><td>34.9</td><td>55.2</td><td>21.0</td><td>9.2</td></tr><tr><td>L2</td><td>34.9</td><td>54.7</td><td>20.3</td><td>9.4</td></tr><tr><td>L3</td><td>35.0</td><td>55.7</td><td>20.6</td><td>9.6</td></tr><tr><td>L4</td><td>35.3</td><td>54.8</td><td>21.6</td><td>8.8</td></tr></table> <p>Location:- L1- Near Gate-1, L2- Near Gate -2, L3- Near railway line side and L4- Near Wagon tippler</p> <p>Six monthly (April 2022-September 2022) Cement Mill Stack monitoring Average report is given below:- Results are in (Mg/NM³)</p> <table><tr><th>Location/Month</th><th>Cement Mill</th></tr><tr><td>April 2022</td><td>1.02</td></tr><tr><td>May 2022</td><td>0.99</td></tr><tr><td>June 2022</td><td>1.01</td></tr><tr><td>July 2022</td><td>4.02</td></tr><tr><td>August 2022</td><td>4.59</td></tr><tr><td>September 2022</td><td>5.10</td></tr></table> <p>Six monthly (April-September 2022) Fugitive emission monitoring Quarterly Average report is given below:- Results are in (µg/M³)</p> <table><tr><th>Location</th><th>SPM</th></tr><tr><td>Packing Area</td><td>512.7</td></tr><tr><td>Fly Ash Silo</td><td>603.4</td></tr><tr><td>Unloading Area</td><td>536.0</td></tr><tr><td>Near Cement Mill</td><td>621.4</td></tr></table>	Location	PM2.5	PM10	NO _x	SO2	L1	34.9	55.2	21.0	9.2	L2	34.9	54.7	20.3	9.4	L3	35.0	55.7	20.6	9.6	L4	35.3	54.8	21.6	8.8	Location/Month	Cement Mill	April 2022	1.02	May 2022	0.99	June 2022	1.01	July 2022	4.02	August 2022	4.59	September 2022	5.10	Location	SPM	Packing Area	512.7	Fly Ash Silo	603.4	Unloading Area	536.0	Near Cement Mill	621.4
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J.K. Cement Ltd. At Village- Jharli, Tehsil Matanhail, District-Jhajjar(HR)
(EC No. SEIAA/HR/2013/647 dated 04-09-2013)

Six monthly EC compliance report for the period from April 2022 to September 2022 Dated:25.11.2022

2.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 should be followed.	Being Complied. Please refer annexure-1
3.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits by the Ministry and regularly monitored Guidelines/Code of Practice issued by the CPCB should be followed.	Being Complied. Please refer annexure-1
4.	The Company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, vehicular movements, bagging and packing areas etc. All the raw material stock piles shall be covered. A closed clinker stockpile system shall be provided. All conveyers shall be covered with GI sheets. Covered sheds for storage of raw materials shall be provided besides cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	<p>Complied</p> <p>3 nos. Bag houses and 23 nos bag filters at various transfer points, bagging and packing area. To control fugitive emission due to vehicle movement paved road has been constructed and vacuum road sweeping machine is in practiced regularly. Cement, Fly ash and clinker are being stored in silos. Covered shed has been provided for raw material storage. Covered conveyors belt has been provided for the transportation of the raw material. Pneumatic system has been provided for fly ash handling.</p> 
5.	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	<p>Being Complied.</p> <p>Concrete road has been constructed and vacuum road sweeping machine is in practice and water spray is being carried out regularly at loading/unloading area to control fugitive emission. Photographs of paved road and water spray.</p> <p>Ambient air quality parameters are being monitored regularly and result are well within limit. For results please refer annexure-1.</p> 
6.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw	<p>Being Complied.</p> <p>All raw material including fly ash are being transported in the closed containers and no</p>

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	materials including fly ash shall be transported in the closed containers only and should not be overloaded. Vehicular emission should be regularly monitored. The vehicles should have Pollution under Control Certificate.	overloading is permitted Vehicles are allowed only with the Pollution under Control Certificate (PUC) to transport the raw material within the Plant site.																								
7.	Total ground water requirement for the Cement plant shall not exceed 300 m ³ /day and necessary permission for the drawl shall be obtained. All the treated waste water shall be recycled and reused in the process and /or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and "zero" discharge shall be adopted.	Being complied. NOC from Haryana Water Resource Authority has been obtained for withdrawal of ground water. Total water consumption will not have exceeded 95 m ³ /day. Treated waste water is being reused in process and green belt development within the Plant site only. Being a dry process based industry there is no any process waste water generated. Zero Liquid discharge facility is being maintained.																								
8.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Being complied. 11 nos of rain water harvesting pits has been constructed to recharge the ground water table.																								
9.	All the bag filter dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/ re-processors only.	Being complied. All the bag filter dust, clinker dust and cement dust from pollution control devices is being recycled and reused in the process for cement manufacturing. Spent oil and batteries is being sold to authorized recyclers/ re- processors.																								
10.	Green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	Being complied. 33% of total project area is 9.45 ha. Total 9750 plants has been planted till date September-22 with covering 10.7 ha. 																								
11.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the SEIAA Haryana/ RO MoEF, GOI, Chandigarh. Implementation of such program should be ensured accordingly in a time bound manner.	Complied CSR/CER activities are being done regularly in nearby area. Details of CSR/CER expenditure is enclosed as. Annexure-2. CSR Expenditure April-22 to Sept.-22 <table border="1"> <thead> <tr> <th>S. No.</th><th>CSR Head</th><th>Amount in Rs. Lakhs</th></tr> </thead> <tbody> <tr> <td>1</td><td>Drinking Water</td><td>0.69</td></tr> <tr> <td>2</td><td>Educational Charity</td><td>0.60</td></tr> <tr> <td>3</td><td>Environment</td><td>0.08</td></tr> <tr> <td>4</td><td>Livelihood Promotion</td><td>0.21</td></tr> <tr> <td>5</td><td>National Functions</td><td>0.32</td></tr> <tr> <td>6</td><td>Infrastructure Development</td><td>0.33</td></tr> <tr> <td colspan="2">Total</td><td>2.23</td></tr> </tbody> </table>	S. No.	CSR Head	Amount in Rs. Lakhs	1	Drinking Water	0.69	2	Educational Charity	0.60	3	Environment	0.08	4	Livelihood Promotion	0.21	5	National Functions	0.32	6	Infrastructure Development	0.33	Total		2.23
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12.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied.																								

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13.	The Sewage Treatment Plant (STP) of 60 KLD capacity shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula. Project proponent shall implement such as STP technology which does not require filter backwash	Being complied We have installed the STP of 60 KLD capacity for treatment of the sewage to the prescribed standards including odour and treated effluent is being recycled and reused in horticulture to achieve zero exit discharge. STP installation has been certified by M/s Apex Water. Installed STP does not require filter back wash. STP water analysis report is attached as annexure-1
14.	The sludge generated shall be treated and used as manure.	Sludge generated from STP is being used as manure in greenbelt/ plantation.

J.K. Cement Ltd. At Village- Jharli, Tehsil Matanhail, District-Jhajjar(HR)
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Part B.- General Conditions

Sr. No.	Condition	Reply																																			
(i)	The project authority must strictly adhere to the stipulations made by the Haryana State Pollution Control Board and the State Government.	Being Complied																																			
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Haryana	Agreed and Noted No further expansion or modifications in the plant will be carried out without prior approval of the SEIAA, Haryana.																																			
(iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Being Complied Emission from process is being maintained well within prescribed standards notified by Ministry on 19 th May, 1993. For results please refer annexure-1.																																			
(iv)	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM _{2.5} , PM ₁₀ , SO ₂ , NO _x is anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to SEIAA including Regional Office MoEF, GOI at Chandigarh the HSPCB Panchkula once in six months.	Four ambient air quality monitoring stations has been established in consultation with the SPCB and regular monitoring has been carried out for parameter PM _{2.5} , PM ₁₀ , SO ₂ , NO _x . Monitoring reports is being submitted regularly to SEIAA including Regional Office MoEF, GOI at Chandigarh the HSPCB Panchkula once in six months. For results please refer annexure-1.																																			
(v)	The overall noise levels in and around plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Acoustic hood, silencers and enclosures etc. has been provided at various noise generating sources. Regular noise monitoring is being done regularly and results are well within prescribed limit under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time). Monthly average of ambient Noise are as (Day/Night in dB) :- <table><tr><th>Month</th><th>L 1</th><th>L 2</th><th>L 3</th><th>L 4</th></tr><tr><td>April-2022</td><td>65.6/ 55.9</td><td>64.3/ 58.5</td><td>64.1/ 56.4</td><td>67.3/ 57.1</td></tr><tr><td>May-2022</td><td>62.6/ 55.9</td><td>65.8/ 55.6</td><td>66.7/ 57.2</td><td>63.7/ 55.0</td></tr><tr><td>June-2022</td><td>59.8/ 54.3</td><td>64.6/ 54.1</td><td>64.1/ 55.0</td><td>62.4/ 51.4</td></tr><tr><td>July-2022</td><td>60.1/ 55.3</td><td>66.7/ 58.6</td><td>63.4/ 57.5</td><td>63.5/ 53.5</td></tr><tr><td>August-2022</td><td>60.1/ 53.4</td><td>64.8/ 58.6</td><td>65.9/ 56.4</td><td>65.4/ 54.2</td></tr><tr><td>Sept-2022</td><td>59.7/ 53.3</td><td>63.4/ 53.2</td><td>64.2/ 55.0</td><td>61.7/ 51.7</td></tr></table> Location:- L1- Near Gate-1, L2- Near Gate -2, L3- Near railway line side and L4- Near Wagon tippler	Month	L 1	L 2	L 3	L 4	April-2022	65.6/ 55.9	64.3/ 58.5	64.1/ 56.4	67.3/ 57.1	May-2022	62.6/ 55.9	65.8/ 55.6	66.7/ 57.2	63.7/ 55.0	June-2022	59.8/ 54.3	64.6/ 54.1	64.1/ 55.0	62.4/ 51.4	July-2022	60.1/ 55.3	66.7/ 58.6	63.4/ 57.5	63.5/ 53.5	August-2022	60.1/ 53.4	64.8/ 58.6	65.9/ 56.4	65.4/ 54.2	Sept-2022	59.7/ 53.3	63.4/ 53.2	64.2/ 55.0	61.7/ 51.7
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(vi)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is being done on a regular basis and records maintained as per the Factories Act. Total 300 nos of employees have been examined from April 2022																																			


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		to Sept. 2022. Reports are enclosed as annexure-3.																								
(vii)	The company shall develop at least three surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	<p>5 Nos of rain water harvesting pits along with 6 Nos injection well structure has been constructed for recharging the ground water.</p> <p>Photographs of Rainwater harvesting structures:-</p>  																								
(viii)	The Project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programming, drinking water supply and health care etc.	<p>Being Complied</p> <p>Environmental protection measures and safeguards is being implemented as per recommended in EIA/EMP report. Socio- economic developmental activities like community development programmes, educational programming and drinking water supply and health care is being conducted regularly. For FY 2022-23 (up to Sep 22) Details please refer annexure-2.</p> <table><tr><th>S. No.</th><th>CSR Head</th><th>Amount in Rs. Lakhs</th></tr><tr><td>1</td><td>Drinking Water</td><td>0.69</td></tr><tr><td>2</td><td>Educational Charity</td><td>0.60</td></tr><tr><td>3</td><td>Environment</td><td>0.08</td></tr><tr><td>4</td><td>Livelihood Promotion</td><td>0.21</td></tr><tr><td>5</td><td>National Functions</td><td>0.32</td></tr><tr><td>6</td><td>Infrastructure Development</td><td>0.33</td></tr><tr><td colspan="2">Total</td><td>2.23</td></tr></table>	S. No.	CSR Head	Amount in Rs. Lakhs	1	Drinking Water	0.69	2	Educational Charity	0.60	3	Environment	0.08	4	Livelihood Promotion	0.21	5	National Functions	0.32	6	Infrastructure Development	0.33	Total		2.23
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(ix)	As proposed Rs. 748 Lakh shall be earmarked towards capital cost and recurring cost /annum for environment pollution control measures and EMP to implement the conditions stipulated by the SEIAA Haryana, as well. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the SEIAA, Haryana Regional Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.	<p>Complied</p> <p>Status of EMP is given below:</p> <table><tr><th>Sr. No.</th><th>Unit</th><th>Capital Cost (Rs.in Lakhs)</th><th>Total Recurring Cost Rs. (Lacs) from April-22 to Sept. -22</th></tr><tr><td>1.</td><td>APCM (Bag houses, Bag</td><td>560</td><td>8.31</td></tr></table>	Sr. No.	Unit	Capital Cost (Rs.in Lakhs)	Total Recurring Cost Rs. (Lacs) from April-22 to Sept. -22	1.	APCM (Bag houses, Bag	560	8.31																
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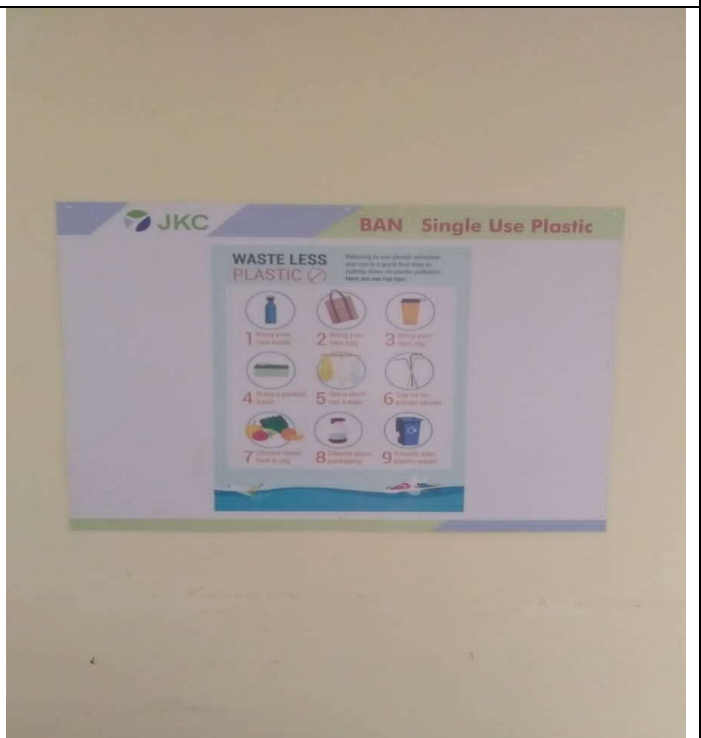
		<table><tr><td></td><td>filters, Road sweeping machines,</td><td></td><td></td></tr><tr><td>2.</td><td>Hazardous Waste shed</td><td>1</td><td>0</td></tr><tr><td>3</td><td>STP</td><td>37</td><td>1.7</td></tr><tr><td>4.</td><td>Monitoring Cost</td><td>10</td><td>1.8</td></tr><tr><td>Total</td><td></td><td>608</td><td>11.81</td></tr></table>		filters, Road sweeping machines,			2.	Hazardous Waste shed	1	0	3	STP	37	1.7	4.	Monitoring Cost	10	1.8	Total		608	11.81
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Total		608	11.81																			
(x)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied. EC Letter has been sent to concerned Panchayat, Zila Parishad/Municipal Corporation, Letter No. JKJharli/Env/135 dated 11 th , September 2013. Urban Local Body and the local NGO vide .EC letter has already been displayed on the Company's Website too.																				
(xi)	The project proponent shall upload the status of the compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA Haryana, Regional Office of the MoEF at Chandigarh and HSPCB, Panchkula. The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	EC compliance report including results of monitored data is being uploaded on the company's website regularly and the same has been submitted to SEIAA, Haryana, Regional Office of MoEF, Chandigarh and HSPCB, Panchkula regularly. Critical sectorial parameters has been monitored and displayed at Main gate of Company in the public domain. 																				
(xii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA Haryana, Regional Office of MoEF, GoI at Chandigarh/HSPCB shall monitor the stipulated conditions.	Half yearly compliance report including monitored data is submitted regularly to SEIAA Haryana, Regional Office of MoEF, GoI at Chandigarh and HSPCB, Panchkula in hard and soft copy. Last half yearly compliance report was submitted vide letter Dated On 21 nd May 2022 Ref No. JKJharli/PC-01/934.																				
(m)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of the compliance if environmental conditions and shall also be sent to SEIAA Haryana and regional office of the MoEF at Chandigarh by e-mail.	Environmental Statement of each financial year being prepared and submitted to the concerned State Pollution Control Board. The same being displayed on the Company's website and sent to SEIAA Haryana and regional office of the MoEF at Chandigarh by e-mail. Environment Statement report for FY 2021-22 has been submitted vide Letter No. JKJharli/PC-01/945 dated 22.09.2022 enclosed annexure 4.																				

J.K. Cement Ltd. At Village- Jharli, Tehsil Matanhail, District-Jhajjar(HR)
(EC No. SEIAA/HR/2013/647 dated 04-09-2013)

Six monthly EC compliance report for the period from April 2022 to September 2022 Dated:25.11.2022

(n)	The project proponent should inform the public that the project has been accorded Environmental Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 Days from the date circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A Copy of Environment Clearance conditions shall also be put on project proponent's website for public awareness. Project authorities 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 and the date of commencing the land development work.	Complied Environment Clearance has been publish in two local News Paper Viz. Dainik Bhaskar (on 09.09.2013) and Haribhoomi (on 10.09.2013) to inform the local public. Copy of EC and EC compliance is being uploaded regularly on company website for public awareness. The date of financial closure is 11.05.2014 and final approval of the project on 04.09.2013 by the concerned authorities SEIAA and the date of commencing the land development work is 31.03.2011. Production start on dated 13.05.2014
(o)	The SEIAA Haryana may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
(p)	The SEIAA Haryana reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted & Agreed.
(q)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act,1986, Hazardous Wastes (Management, Handling & Transboundary movement) Rules,2008 and Public (Insurance)Liability Act,1991 along with their amendments and rules.	Noted & Agreed.
(r)	The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/ NOC from competent Authority is required.	Fire safety equipment and measures has been provided and obtained approval for firefighting scheme from Haryana Fire Service Act, 2009. Copy of the same is enclosed as Annexure-5

SINGLE USE PLASTIC BAN DISPLAYED AT VARIOUS LOCATIONS



J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR PM_{2.5}
(MONTHLY AVERAGE µg/M³)
FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPLER
Apr-22	39.44	33.71	38.98	38.58
	38.57	35.92	30.52	38.58
	36.58	34.56	31.21	36.45
	32.56	37.85	38.65	33.23
	33.18	36.85	35.75	36.42
	37.5	39.78	36.02	37.87
	31.38	34.47	31.54	35.67
	37.71	34.89	38.74	34.69
May-22	33.59	31.05	36.84	33.69
	36.48	35.14	32.56	39.12
	34.25	33.09	35.19	37.57
	32.15	38.14	39.05	35.05
	34.26	37.05	36.58	36.25
	38.97	39.45	39.47	33.58
	31.63	31.36	36.02	30.68
	34.69	35.03	39.84	34.09
Jun-22	36.84	35.29	33.58	39.52
	32.1	31.08	38.79	34.52
	31.56	36.54	38.95	35.46
	33.69	39.46	34.12	31.05
	32.01	33.26	37.96	32.54
	39.41	37.52	36.05	35.69
	33.26	36.57	38.95	32.16
	31.52	37.85	29.87	36.43
Jul-22	35.4	38.86	36.74	36.52
	35.4	34.42	38.17	38.28
	37.42	39.78	37.42	39.35
	39.68	31.72	37.81	39.17
	39.18	39.68	33.42	35.26
	35.61	37.22	34.61	38.21
	35.41	39.31	36.73	38.64
	38.63	38.61	33.42	39.78
Aug-22	31.5	33.5	34.5	25.4
	34.7	32.2	36.4	36.4
	35.38	27.4	35.64	33.65
	30.73	34.58	33.47	36.45
	37.35	28.06	24.62	40.16

	32.47	34.68	29.46	35.64
	37.69	31	34.46	29.46
	26.68	34.56	37.38	37.35
Sep-22	33.3	31.5	32.7	27.4
	36.3	35.3	35.2	37.5
	34.3	28.4	33.6	32.6
	31.6	33.1	35.4	33.1
	38.4	30.4	25.1	41.4
	33.7	36.8	26.6	24.6
	39.2	32.4	33.6	31.1
	33.8	36.1	36.2	38.4
Average	34.9	34.9	35.0	35.3

J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR PM10
(MONTHLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPLER
Apr-22	58.1	54.4	59.1	57.7
	59.3	57.7	55.1	55.2
	52.2	53.2	53.3	55.4
	59.4	56.4	57.5	54.6
	54.6	54.6	55.0	50.6
	58.6	57.4	55.5	56.6
	55.6	54.1	52.6	56.9
	58.6	53.5	56.5	56.6
May-22	52.4	51.5	56.1	55.4
	59.1	54.2	51.5	57.5
	50.2	55.5	50.4	59.9
	51.5	57.5	58.5	56.0
	52.1	59.1	53.9	55.2
	50.1	52.4	57.2	51.5
	56.0	50.3	53.9	59.2
	52.5	54.9	57.1	50.3
Jun-22	59.2	53.8	55.1	59.0
	51.5	52.4	57.2	54.6
	48.8	58.8	55.1	53.9
	53.5	55.4	56.2	52.5
	50.5	57.2	55.1	53.0
	53.5	50.5	54.8	56.1
	58.1	53.1	56.2	56.2
	50.7	56.1	52.1	53.8
Jul-22	55.1	59.8	59.8	52.1
	54.1	56.2	59.2	58.5

Aug-22	55.2	54.8	59.2	58.3
	57.2	57.3	59.1	56.8
	57.4	59.2	59.7	58.1
	57.7	55.6	59.2	58.9
	56.7	57.5	58.2	58.2
	56.4	58.1	57.5	56.4
	52.8	54.8	57.2	48.8
	58.3	54.4	57.2	55.2
	57.2	50.8	55.4	56.5
	55.1	53.7	55.7	52.8
	55.6	53.7	51.5	54.1
	53.8	53.7	54.7	57.3
	58.5	53.9	55.7	47.8
	52.7	53.7	54.6	53.8
Sep-22	56.2	52.6	54.1	46.1
	56.1	53.2	53.7	46.1
	59.6	52.7	54.1	59.2
	56.3	51.4	57.2	58.1
	53.6	56.2	50.5	53.5
	55.4	52.3	48.1	43.1
	60.7	55.4	64.1	57.8
	51.4	52.5	53.6	57.7
Average	55.2	54.7	55.7	54.8

J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR NO2
(MONTHLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPLER
Apr-22	17.2	22.2	19.2	17.9
	15.4	15.9	16.6	18.7
	20.6	18.6	19.8	20.3
	17.5	15.8	18.3	15.8
	19.9	15.3	22.5	14.7
	14.1	17.0	15.4	20.7
	19.7	20.3	19.6	18.4
	18.4	14.4	22.3	22.9
May-22	19.3	20.4	16.4	18.7
	21.1	16.0	13.0	17.6
	18.7	21.7	19.5	16.1
	16.1	22.0	17.4	17.8
	22.6	20.4	18.7	25.5
	16.6	15.5	23.6	23.2
	21.5	17.7	18.0	20.4

Jun-22	19.9	20.6	19.7	23.1
	23.6	21.1	19.3	21.5
	18.8	18.7	20.1	19.7
	16.0	22.0	20.5	21.0
	19.0	24.6	19.8	19.1
	20.7	21.0	20.9	23.7
	18.1	18.0	25.6	21.7
	23.7	19.9	20.1	22.5
Jul-22	21.1	22.2	17.9	25.1
	20.8	24.1	22.4	24.1
	22.6	19.6	22.6	22.9
	21.7	19.5	24.7	22.1
	25.7	23.6	22.9	21.5
	24.1	23.5	24.1	23.7
	21.3	19.2	22.4	20.8
	19.6	21.6	19.7	21.8
Aug-22	22.1	21.7	20.1	23.6
	21.4	25.3	19.4	23.0
	19.0	16.3	20.9	23.2
	23.5	15.4	22.7	21.3
	23.6	20.5	20.9	24.0
	21.5	21.5	22.7	21.6
	23.9	22.5	19.5	23.5
	23.6	20.5	18.9	23.8
Sep-22	21.9	23.9	22.6	21.9
	22.4	27.1	21.6	21.6
	21.5	18.3	21.5	24.5
	25.5	16.4	24.3	23.7
	24.2	21.5	21.5	24.6
	24.2	23.4	21.5	20.7
	25.4	23.3	18.7	24.7
	25.2	22.5	24.1	25.7
Average	22.4	21.7	25.6	20.6
	21.0	20.3	20.6	21.6

J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR SO₂
(MONTHLY AVERAGE µg/M³)
FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPPLER
Apr-22	8.84	12.05	11.58	9.12
	13.14	9.73	12.74	9.12
	9.96	11.78	11.89	9.06
	10.86	9.97	10.06	8.03

	10.23	10.02	13.76	10.45
	9.34	8.23	9.98	10.23
	12.62	15.88	10.13	9.28
	11.28	9.35	13.12	9.16
May-22	9.87	8.4	11.06	12.05
	10.65	7.69	7.98	8.15
	7.36	10.05	11.02	8.75
	9.84	7.98	10.58	10.36
	11.54	11.57	10.62	11.09
	9.84	8.46	9.87	9.52
	11.49	9.52	9.56	11.08
	12.57	10.58	8.69	11.47
Jun-22	6.98	7.52	10.59	9.83
	11.06	11	9.63	7.65
	7.0	12.4	10.9	9.8
	11.08	8.65	9.52	9.85
	9.45	10.84	12.52	9.39
	10.43	9.53	10.52	8.72
	9.87	10.09	8.74	9.38
	10.23	12.07	10.05	10.08
Jul-22	7.26	7.8	8.75	8.4
	8.19	10.05	8.19	9.34
	7.98	9.63	8.62	7.24
	8.74	9.17	8.71	8.21
	10.19	9.83	9.24	8.64
	7.68	7.42	8.64	6.71
	8.71	9.28	7.69	7.41
	9.8	10.63	8.76	9.71
Aug-22	6.83	6.65	7.58	9.34
	7.85	9.86	8.64	8.64
	7.7	8.1	7.4	8.7
	9.11	7.35	9.63	7.86
	9.68	10.21	8.67	7.72
	8.56	6.28	9.86	6.4
	7.94	8.73	8.31	9.65
	8.67	8.67	7.89	8.56
Sep-22	6.5	6.3	7.3	6.2
	7.2	8.5	8.2	6.2
	7.0	8.5	8.0	8.0
	8.0	8.2	7.7	7.3
	8.8	9.9	9.3	8.1
	7.5	7.1	10.2	7.6
	8.2	9.3	9.3	8.1
	8.2	8.1	7.4	7.6
Average	9.2	9.4	9.6	8.8

J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA
(YEARLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (April-Sept-22)

Sr.No.	Location	PM 2.5	PM 10	NO2	SO2
1	NEAR GATE NO 1	34.9	55.2	21.0	9.2
2	NEAR GATE NO 2	34.9	54.7	20.3	9.4
3	Railway Line Side	35.0	55.7	20.6	9.6
4	Near Wagon Tripler	35.3	54.8	21.6	8.8



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/01 Report No.: VEL/A/2204/09/001
Name & Address of the Party: M/s JK Cement Works Format No.: 7.8 F-01
Mohan Bari Road Jharli - 124106 Party Reference No.: NIL
Distt - Jhajjar (HARYANA) Reporting Date: 13/04/2022
Period of Analysis: 09/04/2022 to 13/04/2022
Receipt Date: 09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/04/2022 to 05/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 44.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.44	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.22	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.84	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJULINDOLIA
(Checked By)



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/05
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/09/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2022
Period of Analysis: 09/04/2022 to 13/04/2022
Receipt Date: 09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 07/04/2022 to 08/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 26.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.71	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.23	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.05	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJU INDOLIA
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Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/09/002
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2022
Period of Analysis: 09/04/2022 to 13/04/2022
Receipt Date: 09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/04/2022 to 05/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 44.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.98	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.15	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.58	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJULINDOLIA
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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/06
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/09/006
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2022
Period of Analysis: 09/04/2022 to 13/04/2022
Receipt Date: 09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 07/04/2022 to 08/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 26.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.85	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.12	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJU ANDOLIA
(Checked By)
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/03	Report No.:	VEL/A/2204/09/003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	13/04/2022
		Period of Analysis:	09/04/2022 to 13/04/2022
		Receipt Date:	09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/04/2022 to 05/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 44.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.30	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	13.14	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/09/007
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/04/2022
Period of Analysis: 09/04/2022 to 13/04/2022
Receipt Date: 09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 07/04/2022 to 08/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 26.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.92	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.65	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.73	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number:	VEL/JKCW/A/04	Report No.:	VEL/A/2204/09/004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	13/04/2022
		Period of Analysis:	09/04/2022 to 13/04/2022
		Receipt Date:	09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/04/2022 to 05/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 44.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	30.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.62	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.74	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJU INDOLIA
(Checked By)
Sr. Analyst





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/08	Report No.:	VEL/A/2204/09/008
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	13/04/2022
		Period of Analysis:	09/04/2022 to 13/04/2022
		Receipt Date:	09/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 07/04/2022 to 08/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 26.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182& CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.17	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.67	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.12	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/09
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/009
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/04/2022 to 12/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 28.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.96	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/13
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/013
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	34.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.78	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/10
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/010
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 11/04/2022 to 12/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.21	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.34	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.75	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.89	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/014
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.31	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.06	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/11
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/011
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 11/04/2022 to 12/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.37	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.86	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/015
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.85	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.78	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.97	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure

End of Report

ANJULINDOLIA
(Checked By)
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/012
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 11/04/2022 to 12/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.65	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.34	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.06	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/16/016
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.23	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.58	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.78	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.03	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/017
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/04/2022 to 19/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.23	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/21
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/021
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 21/04/2022 to 22/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	36.85	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.56	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.34	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.02	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/18
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/018
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 18/04/2022 to 19/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.75	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.95	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	13.76	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/22
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/022
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 21/04/2022 to 22/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.56	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	14.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.45	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/A/19
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/019
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/04/2022 to 19/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.50	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.56	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	14.12	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.34	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number:	VEL/JKCW/A/23	Report No.:	VEL/A/2204/23/023
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/04/2022
		Period of Analysis:	23/04/2022 to 27/04/2022
		Receipt Date:	23/04/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 21/04/2022 to 22/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.98	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.23	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/20
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/020
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/04/2022 to 19/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.02	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.48	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.98	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/A/24
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/23/024
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/04/2022
Period of Analysis: 23/04/2022 to 27/04/2022
Receipt Date: 23/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 21/04/2022 to 22/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 43.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.87	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.56	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.67	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.23	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJALI
(Checked By)
Sr Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/025
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 25/04/2022 to 26/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.38	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.59	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.62	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/029
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 28/04/2022 to 29/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.31	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	15.88	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJALINGOLIA
(Checked By)
Sr. Analyst





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/026
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 25/04/2022 to 26/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.62	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.13	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/30
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/030
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 28/04/2022 to 29/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.67	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.89	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.37	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.28	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

"SOP Laboratory Standard Operating Procedure

End of Report

ANVINDOLIA
(Checked By)
Sr. Analyst





Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/027
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 25/04/2022 to 26/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.71	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.38	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.28	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJULINDOLIA
(Checked By)





Test Report

Sample Number: VEL/JKCW/A/31
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/031
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/04/2022 to 29/04/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.52	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	14.42	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.35	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANIL KUMAR
(Checked By)
Sr. Analyst



VEL/E/NT/TPN5832



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/28
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/028
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 25/04/2022 to 26/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.74	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.53	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.28	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	13.12	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJULINDOLIA
(Checked By) Analyst



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Test Report

Sample Number: VEL/JKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2204/30/032
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 28/04/2022 to 29/04/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.57	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.16	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

Checked By
ANURUDH DANI
Sr. Analyst





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/01	Report No.:	VEL/A/2205/07/001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 02/05/2022 to 03/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.59	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.25	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.87	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Prakash
Singh
Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/02	Report No.:	VEL/A/2205/07/002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -2
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	02/05/2022 to 03/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 46.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.40	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/03	Report No.:	VEL/A/2205/07/003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 02/05/2022 to 03/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.84	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.05	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.42	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.06	µg/m ³	80

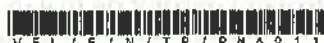
*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number:	VEL/JKCW/A/04	Report No.:	VEL/A/2205/07/004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	02/05/2022 to 03/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 46.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Yes
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.05	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Sr. Analyst





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/05	Report No.:	VEL/A/2205/07/005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -1
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Cloudy Sky
Date of Monitoring	05/05/2022 to 06/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 31.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.65	µg/m ³	80

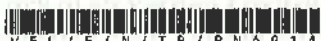
*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/07/006
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 11/05/2022
Period of Analysis: 07/05/2022 to 11/05/2022
Receipt Date: 07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 05/05/2022 to 06/05/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 31.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.14	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.98	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.69	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number:	VEL/JKCW/A/07	Report No.:	VEL/A/2205/07/007
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 05/05/2022 to 06/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 31.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.49	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	13.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.98	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number:	VEL/JKCW/A/08	Report No.:	VEL/A/2205/07/008
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	11/05/2022
		Period of Analysis:	07/05/2022 to 11/05/2022
		Receipt Date:	07/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 05/05/2022 to 06/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 31.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.48	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.15	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

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Test Report

Sample Number:	VEL/JKCW/A/09	Report No.:	VEL/A/2205/14/009
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	18/05/2022
		Period of Analysis:	14/05/2022 to 18/05/2022
		Receipt Date:	14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/05/2022 to 10/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 33.0°C Max. 49.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.36	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(I)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/10
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/010
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -2
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	09/05/2022 to 10/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 33.0°C Max. 49.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.09	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.48	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.05	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

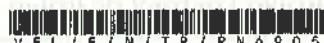
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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/11
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/011
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/05/2022 to 10/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 33.0°C Max. 49.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.19	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.42	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.02	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

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End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/012
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	09/05/2022 to 10/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 33.0°C Max. 49.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Yes
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.87	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.05	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.75	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/13
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/013
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/05/2022 to 13/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 50.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

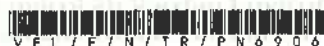
S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.15	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.05	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.84	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/014
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/05/2022 to 13/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 50.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.14	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.04	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.98	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANJU INDOLIA
(Checked By)
Sr. Analyst

VARDAN ENVIROLAB
Dr Shiv
Prakash
(Approved By)
Authorized Signatory



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Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/015
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	12/05/2022 to 13/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 50.0°C
Surrounding Activity	Human, Vehicular and Rail activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.58	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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ANJU INDOLIA
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(Approved By)

Prakash
Singh
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Test Report

Sample Number: VEL/JKCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/14/016
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	12/05/2022 to 13/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 50.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Yes
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.01	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.36	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
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Test Report

Sample Number: VEL/JKCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/017
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -1
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/05/2022 to 17/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.58	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.54	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/18
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/018
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -2
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/05/2022 to 17/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.07	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.57	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/19
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/019
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/05/2022 to 17/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Rail activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.87	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.62	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number:	VEL/JKCW/A/20	Report No.:	VEL/A/2205/21/020
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	25/05/2022
		Period of Analysis:	21/05/2022 to 25/05/2022
		Receipt Date:	21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/05/2022 to 17/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Yes
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.09	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/21
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/021
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/05/2022 to 20/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 48.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.97	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.05	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.57	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.84	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/A/22
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/022
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -2
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	19/05/2022 to 20/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 48.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.36	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.46	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/23
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/21/023
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 25/05/2022
Period of Analysis: 21/05/2022 to 25/05/2022
Receipt Date: 21/05/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 19/05/2022 to 20/05/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 48.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.15	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.58	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.87	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Dr. Shiv Prakash Singh
Authorized Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number:	VEL/JKCW/A/24	Report No.:	VEL/A/2205/21/024
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	25/05/2022
		Period of Analysis:	21/05/2022 to 25/05/2022
		Receipt Date:	21/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	19/05/2022 to 20/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 48.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Yes
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.15	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
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Test Report

Sample Number: VEL/JKCW/A/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/025
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/05/2022 to 24/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.63	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.02	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.49	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/026
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/05/2022 to 24/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.36	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.28	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/027
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	23/05/2022 to 24/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 34.0°C Max. 46.0°C
Surrounding Activity	Human, Vehicular and Rail activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.02	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.87	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.56	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number:	VEL/JKCW/A/28	Report No.:	VEL/A/2205/28/028
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	01/06/2022
		Period of Analysis:	28/05/2022 to 01/06/2022
		Receipt Date:	28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/05/2022 to 24/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	30.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.15	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.08	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/029
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Anirudh Dani (Plant Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Location	Near Gate No -1
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	26/05/2022 to 27/05/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 32.0°C Max. 45.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & CPCB Guideline
Parameter Required	PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.57	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/30
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/030
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/05/2022 to 27/05/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 32.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.03	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.87	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.59	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.58	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/31 Report No.: VEL/A/2205/28/031
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA) Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/05/2022 to 27/05/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 32.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.84	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.06	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.69	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2205/28/032
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 26/05/2022 to 27/05/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 32.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.09	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.32	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.05	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.47	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

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Test Report

Sample Number: VEL/JKCW/A/01 Report No.: VEL/A/2206/08/001
Name & Address of the Party: M/s JK Cement Works Format No.: 7.8 F-01
Mohan Bari Road Jharli - 124106 Party Reference No.: NIL
Distt - Jhajjar (HARYANA) Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/06/2022 to 03/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.84	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.15	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.98	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KIDOLIA
Sr. Analyst





Test Report

Sample Number: VEL/JKCW/A/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/08/002
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/06/2022 to 03/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.29	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.84	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Dr. Shyama Prasad
Authorised Signatory





Test Report

Sample Number: VEL/JKCW/A/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/08/003
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/06/2022 to 03/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.25	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.59	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDA
Sr. Analyst

(Approved By)
Prakash Singh
Authorised Signatory



VEL/E/N/TR/PN10087



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/08/004
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/06/2022 to 03/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.95	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.83	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst



VEL/E/N/TR/PN10089

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Test Report

Sample Number: VEL/JKCW/A/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/08/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 06/06/2022 to 07/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 31.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.10	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.76	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.06	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst





Test Report

Sample Number:	VEL/JKCW/A/06	Report No.:	VEL/A/2206/08/006
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	13/06/2022
		Period of Analysis:	08/06/2022 to 13/06/2022
		Receipt Date:	08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 06/06/2022 to 07/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 31.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.08	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.00	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KALIA
Sr. Analyst



VEL/E/N/TR/PN10006



Test Report

Sample Number:	VEL/JKCW/A/07	Report No.:	VEL/A/2206/08/007
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	13/06/2022
		Period of Analysis:	08/06/2022 to 13/06/2022
		Receipt Date:	08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 06/06/2022 to 07/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 31.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.79	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.14	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.63	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU K. ANIYA
Sr. Analyst



VEL/E/N/TR/PN10088



Test Report

Sample Number: VEL/JKCW/A/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/08/008
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 13/06/2022
Period of Analysis: 08/06/2022 to 13/06/2022
Receipt Date: 08/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 06/06/2022 to 07/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 31.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182& CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.63	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.73	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.65	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INTOLIA
Sr. Analyst

(Approved By)
Dr Shiv Prakash
Authorised Signatory





Test Report

Sample Number:	VEL/JKCW/A/09	Report No.:	VEL/A/2206/15/009
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	20/06/2022
		Period of Analysis:	15/06/2022 to 20/06/2022
		Receipt Date:	15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/06/2022 to 10/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 33.0°C Max. 49.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

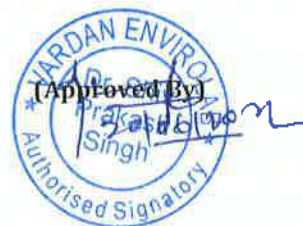
S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	16.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.99	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJOLIA
Sr. Analyst





Test Report

Sample Number: VEL/JCW/A/10
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/010
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: Mr. Anirudh Dani (Plant Head)
: Vardan EnviroLab Representative
: Near Gate No -2
: RDS & FPS sampler with all Accessories
: VEL/RDS/02 & VEL/FPS/02
: Calibrated
: Clear Sky
: 09/06/2022 to 10/06/2022
: 24.0 hours
: Min. 33.0°C Max. 49.0°C
: Human, Vehicular and Cement plant activities
: Regulatory Requirement
: Water Sprinkling
: IS-5182 & CPCB Guideline
: PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	36.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.01	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.38	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU K. ADIA
Sr. Analyst

(Approved By)
Prakash Singh
Authorised Signatory





Test Report

Sample Number: VEL/JCW/A/11
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/011
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 33.0°C Max. 49.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.95	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.11	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.87	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)





Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/012
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 33.0°C Max. 49.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.87	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.98	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.76	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst





Test Report

Sample Number: VEL/JKCW/A/13
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/013
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2022 to 14/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 50.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.99	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	11.08	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KHEOLIA
Sr. Analyst

(Approved By)
Dr. Shiv
Authorized Signatory





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/014
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2022 to 14/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 50.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.65	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)



VEL/E/N/TR/PN10094

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Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com



Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/015
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 13/06/2022 to 14/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 50.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KUMAR
Sr. Analyst

(Approved By)
Prakash
Singh
Authorised Signatory





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/15/016
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 13/06/2022 to 14/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 50.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	31.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.49	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.85	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDRANILIA
Sr. Analyst



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Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com



Test Report

Sample Number: VEL/JKCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/017
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2022 to 17/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.01	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.48	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.45	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KUMAR
Sr. Analyst

(Approved By)
VARDAN ENVIRO
27/06/2022
Singh
Authorised Signatory





Test Report

Sample Number: VEL/JCW/A/18
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/018
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/06/2022 to 17/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	33.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.01	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.84	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Prakash Singh
Authorised Signatory





Test Report

Sample Number: VEL/JCW/A/19
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/019
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2022 to 17/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.96	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)





Test Report

Sample Number: VEL/JKCW/A/20
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/020
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/06/2022 to 17/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.01	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.39	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU TILGOLIA
Sr. Analyst

VARDAN ENVIROLAB
Dr Shiv
Prakash
(Approved By)
27/06/2022
Authorised Signature





Test Report

Sample Number: VEL/JKCW/A/21
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/021
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 20/06/2022 to 21/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 48.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	39.41	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.43	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJULINDOLIA
Sr. Analyst

(Approved By)
Dr Shiv
Prakash
Singh
27/06/2022



Test Report

Sample Number: VEL/JKCW/A/22
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/022
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 20/06/2022 to 21/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 48.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.99	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.53	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/23	Report No.:	VEL/A/2206/22/023
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/06/2022
		Period of Analysis:	22/06/2022 to 27/06/2022
		Receipt Date:	22/06/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 20/06/2022 to 21/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 48.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.52	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/24
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/22/024
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 20/06/2022 to 21/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 48.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.08	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.67	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.72	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANUSHA
(Checked By)
Sr. Analyst



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Test Report

Sample Number: VEL/JKCW/A/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/025
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/06/2022 to 24/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.87	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU K. SIA
Sr. Analyst

(Approved By)





Test Report

Sample Number: VEL/JCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/026
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/06/2022 to 24/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.85	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.09	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked by)
ANURADH DANI
Sr. Analyst



VEL/E/N/TR/PN10109



Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/027
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/06/2022 to 24/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 34.0°C Max. 46.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	38.95	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.20	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.14	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.74	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJANA
Sr. Analyst

(Approved By)
Dr. Shiv
Prakash
04/07/2022
Approved Signature





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/28	Report No.:	VEL/A/2206/29/028
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	04/07/2022
		Period of Analysis:	29/06/2022 to 04/07/2022
		Receipt Date:	29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/06/2022 to 24/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 34.0°C Max. 46.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

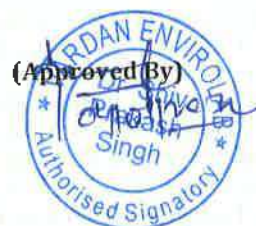
S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	32.16	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.19	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.54	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.38	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

ANIL ANSOLIA
(Checked By)
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/029
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/06/2022 to 28/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 32.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.74	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.23	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KUMAR
Sr. Analyst

(Approved By)
Prakash
Singh
Authorised Signatory



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Test Report

Sample Number: VEL/JKCW/A/30
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/030
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2022 to 28/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 32.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.85	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.08	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.16	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	12.07	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU KATHOLIA
Sr. Analyst

(Approved By)
Dr. Shiv Prakash Singh
Authorised Signatory





Test Report

Sample Number: VEL/JKCW/A/31
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2206/29/031
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2022 to 28/06/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 32.0°C Max. 45.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	29.87	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.11	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	17.93	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.05	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/32	Report No.:	VEL/A/2206/29/032
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	04/07/2022
		Period of Analysis:	29/06/2022 to 04/07/2022
		Receipt Date:	29/06/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/06/2022 to 28/06/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 32.0°C Max. 45.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.43	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.84	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.13	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.08	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure

End of Report

(Checked By)
ANJU INDAIA
Sr. Analyst



VEL/E/N/TR/PN10114

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207090001
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 13/07/2022
Period of Analysis: 09/07/2022 to 13/07/2022
Receipt Date: 09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/07/2022 to 05/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.40	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.09	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.76	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.26	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/02	Report No.:	VEL/A/2207090002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	13/07/2022
		Period of Analysis:	09/07/2022 to 13/07/2022
		Receipt Date:	09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/07/2022 to 05/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.86	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.80	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.80	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN815

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207090003
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 13/07/2022
Period of Analysis: 09/07/2022 to 13/07/2022
Receipt Date: 09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : **Railway Line Side**
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : **04/07/2022 to 05/07/2022**
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	36.74	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.84	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.40	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.75	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN817

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Test Report

Sample Number: VEL/JKCW/A/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207090004
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 13/07/2022
Period of Analysis: 09/07/2022 to 13/07/2022
Receipt Date: 09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/07/2022 to 05/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	36.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.09	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.40	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN819



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/05	Report No.:	VEL/A/2207090005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	13/07/2022
		Period of Analysis:	09/07/2022 to 13/07/2022
		Receipt Date:	09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 07/07/2022 to 08/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.40	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.09	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.60	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.19	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure



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Test Report

Sample Number:	VEL/JKCW/A/06	Report No.:	VEL/A/2207090006
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	13/07/2022
		Period of Analysis:	09/07/2022 to 13/07/2022
		Receipt Date:	09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 07/07/2022 to 08/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	34.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.17	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.62	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.05	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN816



Test Report

Sample Number: VEL/JKCW/A/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207090007
Format No.: 7.8 F-03
Party Reference No.: Nil
Reporting Date: 13/07/2022
Period of Analysis: 09/07/2022 to 13/07/2022
Receipt Date: 09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 37.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.17	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.64	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.19	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207090008
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 13/07/2022
Period of Analysis: 09/07/2022 to 13/07/2022
Receipt Date: 09/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 37.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.28	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.51	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.90	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.34	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/09
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160009
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/07/2022 to 12/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.98	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN821



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/10	Report No.:	VEL/A/2207160010
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	20/07/2022
		Period of Analysis:	16/07/2022 to 20/07/2022
		Receipt Date:	16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 11/07/2022 to 12/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.83	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.53	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.63	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/I/TR/PN823

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Test Report

Sample Number: VEL/JKCW/A/11
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160411
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/07/2022 to 12/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.71	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.62	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160J12
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Aniruddh Dani (Plant Head),
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/07/2022 to 12/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP.63	39.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.28	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.03	µg/m ³	30
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.24	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/13
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160013
Format No.: 7.3 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/07/2022 to 15/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.19	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.74	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



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Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160v14
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/07/2022 to 15/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	31.72	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.31	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.62	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.17	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160015
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/07/2022 to 15/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.81	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.71	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207160016
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 20/07/2022
Period of Analysis: 16/07/2022 to 20/07/2022
Receipt Date: 16/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/07/2022 to 15/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 21.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.17	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.81	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.21	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230017
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 18/07/2022 to 19/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 22.0°C Max. 39.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.42	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.19	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JCW/A/18
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230018
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/07/2022 to 19/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.49	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.83	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/19
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230019
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/07/2022 to 19/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	33.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.13	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.24	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/20
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230020
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 18/07/2022 to 19/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 39.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.64	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JCW/A/21
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230021
Format No.: 7.3 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 43.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.61	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.68	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/22
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230022
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 43.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	37.22	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.62	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.21	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.42	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN832

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Test Report

Sample Number: VEL/JKCW/A/23
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230023
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 43.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	34.61	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.40	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.64	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JCW/A/24
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207230024
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 27/07/2022
Period of Analysis: 23/07/2022 to 27/07/2022
Receipt Date: 23/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°C Max. 43.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.21	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.92	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.83	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.71	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)
Report No.: VEL/A/2207290325
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/07/2022 to 26/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 23.0°C Max. 42.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	35.41	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.71	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.71	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290026
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/07/2022 to 26/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 23.0°C Max. 42.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.31	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.45	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.28	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN839

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290027
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/07/2022 to 26/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 23.0°C Max. 42.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	36.73	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.17	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.65	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.69	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/28
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290028
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 25/07/2022 to 26/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 23.0°C Max. 42.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.64	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.41	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290029
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/07/2022 to 29/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 44.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.63	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.42	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.10	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.80	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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VEL/E-03/1/TR/PN838

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/30
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290030
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/07/2022 to 29/07/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 44.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	38.61	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.11	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.65	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.63	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 18.11.2009.

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VEL/E-03/I/TR/PN840

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Test Report

Sample Number: VEL/JKCW/A/31
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290631
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : **Railway Line Side**
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : **28/07/2022 to 29/07/2022**
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 44.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	33.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.50	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.76	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/TR/PN842



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2207290032
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 02/08/2022
Period of Analysis: 29/07/2022 to 02/08/2022
Receipt Date: 29/07/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 28/07/2022 to 29/07/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 44.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	39.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.42	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.60	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.71	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208080001
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 12/08/2022
Period of Analysis: 08/08/2022 to 12/08/2022
Receipt Date: 08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/08/2022 to 03/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 34.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	31.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.39	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.83	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208080002
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 12/08/2022
Period of Analysis: 08/08/2022 to 12/08/2022
Receipt Date: 08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 02/08/2022 to 03/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 34.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	33.50	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.65	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure





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Test Report

Sample Number: VEL/JKCW/A/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208080004
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 12/08/2022
Period of Analysis: 08/08/2022 to 12/08/2022
Receipt Date: 08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/08/2022 to 04/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 28.0°C Max. 30.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	25.43	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.81	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.97	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.34	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208080005
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 12/08/2022
Period of Analysis: 08/08/2022 to 12/08/2022
Receipt Date: 08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 05/08/2022 to 06/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 31.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.26	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.04	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.85	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure





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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/07	Report No.:	VEL/A/2208080007
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	12/08/2022
		Period of Analysis:	08/08/2022 to 12/08/2022
		Receipt Date:	08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 06/08/2022 to 07/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	36.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.64	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208080008
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 12/08/2022
Period of Analysis: 08/08/2022 to 12/08/2022
Receipt Date: 08/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 06/08/2022 to 07/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 27.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182& CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.15	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.15	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.64	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure



VEL/E-03/1/1R/PNS295



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/09
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150009
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Anirudh Dani (Plant Head)
VardanEnviroLab Representative
Near Gate No -1
RDS & FPS sampler with all Accessories
VEL/RDS/01 & VEL/FPS/01
Calibrated
Clear Sky
09/08/2022 to 10/08/2022
24.0 hours
Min. 31.0°C Max. 40.0°C
Human, Vehicular and Cement plant activities
Regulatory Requirement
Water Sprinkling
IS-5182 & CPCB Guideline
PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.38	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.65	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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Test Report

Sample Number: VEL/JKCW/A/10
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/08/2022 to 10/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 31.0°C Max. 40.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	27.40	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	15.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.12	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

^bSOP- Laboratory Standard Operating Procedure



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/11
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150011
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: Mr. Anirudh Dani (Plant Head)
: VardanEnviroLab Representative
: Railway Line Side
: RDS & FPS sampler with all Accessories
: VEL/RDS/03 & VEL/FPS/03
: Calibrated
: Clear Sky
: 10/08/2022 to 11/08/2022
: 24.0 hours
: Min. 33.0°C Max. 40.0°C
: Human, Vehicular and Rail activities
: Regulatory Requirement
: Water Sprinkling
: IS-5182 & CPCB Guideline
: PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	35.64	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.36	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.65	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.38	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150012
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/08/2022 to 11/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 33.0°C Max. 40.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	33.65	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.45	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.65	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

"SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/17/TPN5302



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/13
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150013
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

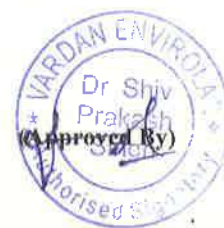
Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/08/2022 to 13/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	30.73	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.62	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.11	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150014
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/08/2022 to 13/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} PM ₁₀ NO ₂ SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	34.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.35	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

[#]SOP- Laboratory Standard Operating Procedure



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150015
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/08/2022 to 14/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	^a SOP No. VEL/SOP/01, Section No. SP 63	33.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.68	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.63	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

^aSOP- Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208150016
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 19/08/2022
Period of Analysis: 15/08/2022 to 19/08/2022
Receipt Date: 15/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/08/2022 to 14/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	36.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.98	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.86	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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Test Report

Sample Number: VEL/JKCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208220017
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 26/08/2022
Period of Analysis: 22/08/2022 to 26/08/2022
Receipt Date: 22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -I
Instrument Used	: RDS & FPS sampler with all Accessories :
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/08/2022 to 17/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 33.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	37.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.68	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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VEL/E-03/1/TR/PN5304



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/18	Report No.:	VEL/A/2208220018
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/08/2022
		Period of Analysis:	22/08/2022 to 26/08/2022
		Receipt Date:	22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/08/2022 to 17/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 33.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	28.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.21	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/19	Report No.:	VEL/A/2208220019
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/08/2022
		Period of Analysis:	22/08/2022 to 26/08/2022
		Receipt Date:	22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 17/08/2022 to 18/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 35.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	24.62	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.50	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.67	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.67	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II]-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/JKCW/A/20	Report No.:	VEL/A/2208220020
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/08/2022
		Period of Analysis:	22/08/2022 to 26/08/2022
		Receipt Date:	22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 17/08/2022 to 18/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 35.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	40.16	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.58	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.72	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number:	VEL/JKCW/A/21	Report No.:	VEL/A/2208220021
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/08/2022
		Period of Analysis:	22/08/2022 to 26/08/2022
		Receipt Date:	22/08/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 19/08/2022 to 20/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	32.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.56	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/JKCW/A/22	Report No.:	VEL/A/2208220022
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/08/2022
		Period of Analysis:	22/08/2022 to 26/08/2022
		Receipt Date:	22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 19/08/2022 to 20/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	34.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.28	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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VEL/E-03/1/17/PN5307



Test Report

Sample Number: VEL/JKCW/A/23
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208220023
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 26/08/2022
Period of Analysis: 22/08/2022 to 26/08/2022
Receipt Date: 22/08/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 20/08/2022 to 21/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 31.0°C Max. 37.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	29.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.68	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	19.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.86	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/24
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharti - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208220024
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 26/08/2022
Period of Analysis: 22/08/2022 to 26/08/2022
Receipt Date: 22/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 20/08/2022 to 21/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 31.0°C Max. 37.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	35.64	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.28	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.40	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300025
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/08/2022 to 24/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	37.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.94	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300026
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/08/2022 to 24/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	[#] SOP No. VEL/SOP/01, Section No. SP 63	31.00	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.94	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.46	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.73	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300027
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 24/08/2022 to 25/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 35.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	34.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.94	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.31	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/28
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300028
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 24/08/2022 to 25/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 35.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	29.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	47.80	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.78	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.65	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300029
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 26/08/2022 to 27/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	26.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.68	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.86	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.67	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/30
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300030
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/08/2022 to 27/08/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 28.0°C Max. 36.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	34.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.67	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

"SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/31
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300031
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/08/2022 to 28/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	*SOP No. VEL/SOP/01, Section No. SP 63	37.38	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.63	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.64	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.89	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2208300032
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 05/09/2022
Period of Analysis: 30/08/2022 to 05/09/2022
Receipt Date: 30/08/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/08/2022 to 28/08/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	"SOP No. VEL/SOP/01, Section No. SP 63	37.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.86	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.56	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090001
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 05/09/2022 to 06/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 41.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.28	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	22.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.45	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/02	Report No.:	VEL/A/2209090002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	13/09/2022
		Period of Analysis:	09/09/2022 to 13/09/2022
		Receipt Date:	09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 05/09/2022 to 06/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 41.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	31.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	27.13	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.26	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090003
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 06/09/2022 to 07/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 40.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	32.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.34	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090004
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 06/09/2022 to 07/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 29.0°C Max. 40.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Yes
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	27.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	46.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	21.57	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.18	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090005
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 07/09/2022 to 08/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 41.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	36.28	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	21.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.23	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/06
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090006
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 07/09/2022 to 08/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 41.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	35.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	18.26	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.53	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209090007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/09/2022
Period of Analysis: 09/09/2022 to 13/09/2022
Receipt Date: 09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Partially Cloudy Sky
Date of Monitoring : 08/09/2022 to 09/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 41.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	35.24	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.65	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.52	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.15	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP Laboratory Standard Operating Procedure





Test Report

Sample Number:	VEL/JKCW/A/08	Report No.:	VEL/A/2209090008
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	13/09/2022
		Period of Analysis:	09/09/2022 to 13/09/2022
		Receipt Date:	09/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 08/09/2022 to 09/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 41.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182& CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	37.52	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	46.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.53	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.18	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

[#]SOP Laboratory Standard Operating Procedure





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/09
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209160009
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 20/09/2022
Period of Analysis: 16/09/2022 to 20/09/2022
Receipt Date: 16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Intermittent Rain
Date of Monitoring : 12/09/2022 to 13/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	34.27	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.62	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	25.46	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.96	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/10	Report No.:	VEL/A/2209160010
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	20/09/2022
		Period of Analysis:	16/09/2022 to 20/09/2022
		Receipt Date:	16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 12/09/2022 to 13/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 30.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	28.43	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	16.38	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.51	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/JKCW/A/11	Report No.:	VEL/A/2209160011
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	20/09/2022
		Period of Analysis:	16/09/2022 to 20/09/2022
		Receipt Date:	16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 13/09/2022 to 14/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.03	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/12
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209160012
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/09/2022
Period of Analysis: 16/09/2022 to 20/09/2022
Receipt Date: 16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 13/09/2022 to 14/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	23.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.02	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/JKCW/A/13	Report No.:	VEL/A/2209160013
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	20/09/2022
		Period of Analysis:	16/09/2022 to 20/09/2022
		Receipt Date:	16/09/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 14/09/2022 to 15/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 39.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	31.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.34	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	24.18	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.02	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/14
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209160014
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/09/2022
Period of Analysis: 16/09/2022 to 20/09/2022
Receipt Date: 16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 14/09/2022 to 15/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 28.0°C Max. 39.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.37	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	21.54	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.23	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/15
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209160015
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/09/2022
Period of Analysis: 16/09/2022 to 20/09/2022
Receipt Date: 16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 15/09/2022 to 16/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 34.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	35.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	21.46	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.69	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/16
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209160016
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/09/2022
Period of Analysis: 16/09/2022 to 20/09/2022
Receipt Date: 16/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 15/09/2022 to 16/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 34.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.25	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/17
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230017
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/09/2022 to 20/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 41.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	38.43	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	24.16	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.76	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/18
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230018
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/09/2022 to 20/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 41.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	30.36	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	23.43	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.87	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/19
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230019
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 20/09/2022 to 21/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 29.0°C Max. 40.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	25.13	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.52	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.26	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number: VEL/JKCW/A/20
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230020
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 20/09/2022 to 21/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 35.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	41.38	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	20.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.14	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/21
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230021
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -1
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/09/2022 to 22/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 40.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.71	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.38	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.36	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.54	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/22
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230022
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/09/2022 to 22/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 30.0°C Max. 40.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	36.76	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.32	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	23.27	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.14	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/23
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230023
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 22/09/2022 to 23/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 32.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	26.63	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.10	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	18.65	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	10.21	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/24
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209230024
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/09/2022
Period of Analysis: 23/09/2022 to 27/09/2022
Receipt Date: 23/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 22/09/2022 to 23/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 32.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	24.62	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	43.06	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	24.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.56	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number:	VEL/JKCW/A/25	Report No.:	VEL/A/2209300025
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	04/10/2022
		Period of Analysis:	30/09/2022 to 04/10/2022
		Receipt Date:	30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 26/09/2022 to 27/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 33.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	39.16	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	60.73	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	25.16	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.17	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/26
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209300026
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No -2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 26/09/2022 to 27/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°C Max. 33.0°C
Surrounding Activity : Human, Vehicular and Cement plant activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	32.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.38	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.51	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.26	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

#SOP- Laboratory Standard Operating Procedure



VEL/E-03/1/1R/PN9107



Test Report

Sample Number: VEL/JKCW/A/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209300027
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/09/2022 to 28/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 26.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Rail activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	64.08	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	24.10	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.25	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/A/28
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209300028
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 27/09/2022 to 28/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 26.0°C Max. 37.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	31.10	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	25.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.10	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardan.co.in, bd@vardan.co.in



Test Report

Sample Number: VEL/JKCW/A/29
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209300029
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -1
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 28/09/2022 to 29/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	33.76	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.43	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	22.38	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.24	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number:	VEL/JKCW/A/30	Report No.:	VEL/A/2209300030
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	04/10/2022
		Period of Analysis:	30/09/2022 to 04/10/2022
		Receipt Date:	30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Gate No -2
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/02 & VEL/FPS/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Partially Cloudy Sky
Date of Monitoring	: 28/09/2022 to 29/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 36.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Water Sprinkling
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	36.13	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	21.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.14	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/31 Report No.: VEL/A/2209300031
Name & Address of the Party: M/s JK Cement Works Format No.: 7.8 F-03
Mohan Bari Road Jharli - 124106 Party Reference No.: 4600082079
Distt - Jhajjar (HARYANA) Dated- 16.05.2022
Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/03 & VEL/FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/09/2022 to 30/09/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 27.0°C Max. 38.0°C
Surrounding Activity : Human, Vehicular and Rail activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : Water Sprinkling
Sampling & Analysis Protocol : IS-5182 & CPCB Guideline
Parameter Required : PM_{2.5}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	36.17	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.64	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	25.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.42	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure





Test Report

Sample Number: VEL/JKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2209300032
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/10/2022
Period of Analysis: 30/09/2022 to 04/10/2022
Receipt Date: 30/09/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/09/2022 to 30/09/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°C Max. 38.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: Yes
Sampling & Analysis Protocol	: IS-5182 & CPCB Guideline
Parameter Required	: PM _{2.5} , PM ₁₀ , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24), Gravimetric Method	38.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.70	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob &Hochheiser	20.57	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke.	7.64	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



J.K. CEMENT WORKS, JHARLI**Ambient Noise Monitoring in dB(A) 2022-23 (April-Sept.-22)**

Location	Gate No -1		Gate No -2		Railway Line Side		Near Wagon Tippler	
Month	Day	Night	Day	Night	Day	Night	Day	Night
Apr-22	62.8	54.2	67.1	60.3	66.9	58.5	69.4	56.5
	68.2	57.7	61.4	56.6	61.3	54.4	65.2	57.6
May-22	60.3	52.7	64.4	56.3	69.9	58.7	63.3	53.0
	65.0	59.1	67.2	54.9	63.6	55.7	64.1	57.0
Jun-22	58.1	50.6	62.3	54.3	63.5	56.7	61.3	51.1
	61.6	58.0	66.9	53.9	64.7	53.3	63.6	51.7
Jul-22	60.3	54.4	64.1	56.8	64.6	59.2	64.2	53.8
	59.8	56.2	69.2	55.3	62.2	55.8	62.7	53.2
Aug-22	57.4	53.1	61.1	55.8	67.4	56.4	66.5	54.1
	62.8	53.8	68.5	61.4	64.3	56.5	64.3	54.3
Sep-22	56.2	52.5	60.5	50.2	65.1	54.7	65.2	53.2
	63.2	54.2	66.3	56.3	63.2	55.2	58.1	50.2
Average	67.2	57.2	64.8	53.3	65.4	54.8	65.0	53.8



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AN/01	Report No.:	VEL/AN/2204/16/001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	20/04/2022
		Period of Analysis:	16/04/2022 to 20/04/2022
		Receipt Date:	16/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	70.6	63.5	dB(A)
2.	Lmin	IS 9989 R-2014	54.4	42.3	dB(A)
3.	Leq	IS 9989 R-2014	62.75	54.19	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANJUNIA
(Checked By)
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number:	VEL/JKCW/AN/05	Report No.:	VEL/AN/2204/30/005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	04/05/2022
		Period of Analysis:	30/04/2022 to 04/05/2022
		Receipt Date:	30/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SIM/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 28/04/2022 to 29/04/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	73.2	64.4	dB(A)
2.	Lmin	IS 9989 R-2014	59.9	49.6	dB(A)
3.	Leq	IS 9989 R-2014	67.12	60.32	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANJUL AGOLIA
(Checked By)
Sr. Analyst



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Test Report

Sample Number:	VEL/JKCW/AN/02	Report No.:	VEL/AN/2204/16/002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	20/04/2022
		Period of Analysis:	16/04/2022 to 20/04/2022
		Receipt Date:	16/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	70.8	65.5	dB(A)
2.	Lmin	IS 9989 R-2014	56.3	47.2	dB(A)
3.	Leq	IS 9989 R-2014	66.94	58.45	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANJALI INDOLIA
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Test Report

Sample Number: VEL/JKCW/AN/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2204/30/006
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/04/2022 to 29/04/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	73.1	66.2	dB(A)
2.	Lmin	IS 9989 R-2014	60.2	52.3	dB(A)
3.	Leq	IS 9989 R-2014	69.40	56.54	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANIRUDH DANI
(Checked By)
Sr. Analyst



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Test Report

Sample Number: VEL/JKCW/AN/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2204/16/003
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/04/2022
Period of Analysis: 16/04/2022 to 20/04/2022
Receipt Date: 16/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/04/2022 to 15/04/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	69.5	64.2	dB(A)
2.	Lmin	IS 9989 R-2014	62.7	45.6	dB(A)
3.	Leq	IS 9989 R-2014	68.22	57.67	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANJUNOLIA
(Checked By)
Sr. Analyst



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Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2204/30/007
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/04/2022 to 29/04/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	71.2	60.5	dB(A)
2.	Lmin	IS 9989 R-2014	57.4	45.8	dB(A)
3.	Leq	IS 9989 R-2014	61.41	56.58	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANIRUDH DANI
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Test Report

Sample Number:	VEL/JKCW/AN/04	Report No.:	VEL/AN/2204/16/004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	20/04/2022
		Period of Analysis:	16/04/2022 to 20/04/2022
		Receipt Date:	16/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Wagon Tippler
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2022 to 15/04/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989 R-2014	73.6	62.5	dB(A)
2.	L _{min}	IS 9989 R-2014	52.6	50.6	dB(A)
3.	L _{eq}	IS 9989 R-2014	61.29	54.41	dB(A)
4.	CPCB Limits in dB(A*) L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/AN/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2204/30/008
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/05/2022
Period of Analysis: 30/04/2022 to 04/05/2022
Receipt Date: 30/04/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/04/2022 to 29/04/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	70.5	63.4	dB(A)
2.	Lmin	IS 9989 R-2014	54.6	49.6	dB(A)
3.	Leq	IS 9989 R-2014	65.23	57.57	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

ANIRUDH DANI
(Checked By)
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/14/001
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/05/2022 to 10/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	71.3	61.4	dB(A)
2.	Lmin	IS 9989 R-2014	52.9	40.9	dB(A)
3.	Leq	IS 9989 R-2014	60.25	52.69	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Dr. Shiv Prakash Singh
Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AN/02	Report No.:	VEL/AN/2205/14/002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	18/05/2022
		Period of Analysis:	14/05/2022 to 18/05/2022
		Receipt Date:	14/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/05/2022 to 10/05/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	68.9	63.9	dB(A)
2.	Lmin	IS 9989 R-2014	54.2	46.7	dB(A)
3.	Leq	IS 9989 R-2014	64.36	56.28	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Shiv
Prakash
Singh
Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/03 Report No.: VEL/AN/2205/14/003
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106 Format No.: 7.8 F-01
Distt - Jhajjar (HARYANA) Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/05/2022 to 10/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	70.3	63.0	dB(A)
2.	Lmin	IS 9989 R-2014	63.6	46.2	dB(A)
3.	Leq	IS 9989 R-2014	69.87	58.74	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/14/004
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 18/05/2022
Period of Analysis: 14/05/2022 to 18/05/2022
Receipt Date: 14/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/05/2022 to 10/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	74.2	61.4	dB(A)
2.	Lmin	IS 9989 R-2014	51.8	49.8	dB(A)
3.	Leq	IS 9989 R-2014	63.25	53.02	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

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Vardan EnviroLab

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MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/28/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/05/2022 to 24/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	69.8	62.5	dB(A)
2.	Lmin	IS 9989 R-2014	57.1	47.3	dB(A)
3.	Leq	IS 9989 R-2014	65.02	59.07	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/28/006
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/05/2022 to 24/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	72.9	64.2	dB(A)
2.	Lmin	IS 9989 R-2014	58.6	50.9	dB(A)
3.	Leq	IS 9989 R-2014	67.15	54.92	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/28/007
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/05/2022 to 24/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	72.9	58.5	dB(A)
2.	Lmin	IS 9989 R-2014	58.0	43.8	dB(A)
3.	Leq	IS 9989 R-2014	63.59	55.68	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Prakash
Singh

Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2205/28/008
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 01/06/2022
Period of Analysis: 28/05/2022 to 01/06/2022
Receipt Date: 28/05/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/05/2022 to 24/05/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	73.0	61.8	dB(A)
2.	Lmin	IS 9989 R-2014	52.7	50.7	dB(A)
3.	Leq	IS 9989 R-2014	64.05	56.98	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
Anju

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Test Report

Sample Number: VEL/JKCW/AN/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/15/001
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	69.3	59.7	dB(A)
2.	Lmin	IS 9989 R-2014	50.8	38.1	dB(A)
3.	Leq	IS 9989 R-2014	58.10	50.63	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INDRA
Sr. Analyst





Test Report

Sample Number: VEL/JKCW/AN/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/15/002
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	67.9	61.8	dB(A)
2.	Lmin	IS 9989 R-2014	52.4	44.9	dB(A)
3.	Leq	IS 9989 R-2014	62.32	54.32	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJULIA
Sr. Analyst

(Approved By)
Dr. Shashi
Authorised Signatory





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/15/003
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989 R-2014	68.7	61.9	dB(A)
2.	L _{min}	IS 9989 R-2014	51.4	44.2	dB(A)
3.	L _{eq}	IS 9989 R-2014	63.52	56.17	dB(A)
4.	CPCB Limits in dB(A*) L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INDIA
Sr. Analyst

(Approved By)
Prakash
Singh
Authorised Signatory



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Test Report

Sample Number: VEL/JKCW/AN/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/15/004
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 20/06/2022
Period of Analysis: 15/06/2022 to 20/06/2022
Receipt Date: 15/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2022 to 10/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	72.4	59.7	dB(A)
2.	Lmin	IS 9989 R-2014	50.6	47.3	dB(A)
3.	Leq	IS 9989 R-2014	61.25	51.09	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INTLIA
Sr. Analyst

(Approved By)
Prakash Singh
Authorised Signatory



Test Report

Sample Number: VEL/JKCW/AN/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/29/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/06/2022 to 24/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	72.4	63.5	dB(A)
2.	Lmin	IS 9989 R-2014	55.6	45.1	dB(A)
3.	Leq	IS 9989 R-2014	61.57	57.96	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AN/06	Report No.:	VEL/AN/2206/29/006
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	04/07/2022
		Period of Analysis:	29/06/2022 to 04/07/2022
		Receipt Date:	29/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/06/2022 to 24/06/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	73.1	63.4	dB(A)
2.	Lmin	IS 9989 R-2014	57.4	49.0	dB(A)
3.	Leq	IS 9989 R-2014	66.85	53.87	dB(A)
4.	CPCB Limits in dB(A)* Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)

ANJU INDOLIA
Sr. Analyst

(Approved By)

Bhupinder Singh
Authorised Signatory



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Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/29/007
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/06/2022 to 24/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	71.6	56.2	dB(A)
2.	Lmin	IS 9989 R-2014	55.2	41.9	dB(A)
3.	Leq	IS 9989 R-2014	64.72	53.28	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Dr. Shiyu
Authorised Signatory





Test Report

Sample Number: VEL/JCW/AN/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2206/29/008
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 04/07/2022
Period of Analysis: 29/06/2022 to 04/07/2022
Receipt Date: 29/06/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/06/2022 to 24/06/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989 R-2014	70.8	60.4	dB(A)
2.	Lmin	IS 9989 R-2014	50.6	43.6	dB(A)
3.	Leq	IS 9989 R-2014	63.57	51.68	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.

End of Report

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Dr. Shiv
Authorized Signatory



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207080001
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 12/07/2022
Period of Analysis: 06/07/2022 to 12/07/2022
Receipt Date: 08/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	71.3	62.4	dB(A)
2.	Lmin	IS 9989, By Calculation	48.5	40.6	dB(A)
3.	Leq	IS 9989, By Calculation	60.34	54.42	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/AN/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207080002
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 12/07/2022
Period of Analysis: 08/07/2022 to 12/07/2022
Receipt Date: 08/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	68.9	64.8	dB(A)
2.	Lmin	IS 9989, By Calculation	53.6	46.9	dB(A)
3.	Leq	IS 9989, By Calculation	64.10	56.83	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



VEL/E-03/1/TR/PN847

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Test Report

Sample Number: VEL/JKCW/AN/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207080003
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 12/07/2022
Period of Analysis: 08/07/2022 to 12/07/2022
Receipt Date: 08/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	69.5	62.1	dB(A)
2.	Lmin	IS 9989, By Calculation	54.7	45.3	dB(A)
3.	Leq	IS 9989, By Calculation	64.61	59.20	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207080004
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 12/07/2022
Period of Analysis: 08/07/2022 to 12/07/2022
Receipt Date: 08/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	74.9	61.7	dB(A)
2.	Lmin	IS 9989, By Calculation	53.6	49.8	dB(A)
3.	Leq	IS 9989, By Calculation	64.20	53.84	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207220005
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	70.3	61.4	dB(A)
2.	Lmin	IS 9989, By Calculation	53.6	47.2	dB(A)
3.	Leq	IS 9989, By Calculation	59.8	56.16	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note-*A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207220006
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.4	64.3	dB(A)
2.	Lmin	IS 9989, By Calculation	59.3	48.2	dB(A)
3.	Leq	IS 9989, By Calculation	69.20	55.30	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/220722007
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	70.9	58.3	dB(A)
2.	Lmin	IS 9989, By Calculation	54.3	43.7	dB(A)
3.	Leq	IS 9989, By Calculation	62.19	55.82	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/AN/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207220008
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	69.2	58.7	dB(A)
2.	Lmin	IS 9989, By Calculation	52.9	48.1	dB(A)
3.	Leq	IS 9989, By Calculation	62.70	53.20	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

Sample Number: VEL/JKCW/AN/09
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207080009
Format No.: 7.8 F-03
Party Reference No.: Nil
Reporting Date: 12/07/2022
Period of Analysis: 08/07/2022 to 12/07/2022
Receipt Date: 08/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Compressor House
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/07/2022 to 08/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	69.8	60.5	dB(A)
2.	Lmin	IS 9989, By Calculation	55.1	49.3	dB(A)
3.	Leq	IS 9989, By Calculation	64.23	52.24	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



VEL/E-03/I/TR/PN853

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Vardan EnviroLab

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Test Report

Sample Number: VEL/JKCW/AN/10
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2207220010
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Ball Mill
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 21/07/2022 to 22/07/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	71.4	57.2	dB(A)
2.	Lmin	IS 9989, By Calculation	52.6	51.3	dB(A)
3.	Leq	IS 9989, By Calculation	62.19	55.30	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2208060001
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 10/08/2022
Period of Analysis: 06/08/2022 to 10/08/2022
Receipt Date: 06/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/08/2022 to 06/08/2022
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	70.5	59.63	dB(A)
2.	Lmin	IS 9989, By Calculation	49.6	44.5	dB(A)
3.	Leq	IS 9989, By Calculation	57.43	53.05	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Sample Number: VEL/JKCW/AN/02 Report No.: VEL/AN/2208060002
Name & Address of the Party: M/s JK Cement Works Format No.: 7.8 F-03
Mohan Bari Road Jharli - 124106 Party Reference No.: 4600082079
Distt - Jhajjar (HARYANA) Dated- 16.05.2022
Reporting Date: 10/08/2022
Period of Analysis: 06/08/2022 to 10/08/2022
Receipt Date: 06/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/08/2022 to 06/08/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	66.4	58.3	dB(A)
2.	Lmin	IS 9989, By Calculation	54.2	47.6	dB(A)
3.	Leq	IS 9989, By Calculation	61.06	55.76	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note*A "decibel" is a unit in which noise is measured.





Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AN/03	Report No.:	VEL/AN/2208060003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	10/08/2022
		Period of Analysis:	06/08/2022 to 10/08/2022
		Receipt Date:	06/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

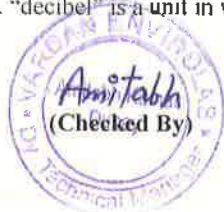
General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 05/08/2022 to 06/08/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Rail Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	71.5	66.4	dB(A)
2.	Lmin	IS 9989, By Calculation	56.4	49.3	dB(A)
3.	Leq	IS 9989, By Calculation	67.39	56.44	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardan.co.in, bd@vardan.co.in



Test Report

Sample Number: VEL/JKCW/AN/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2208060004
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 10/08/2022
Period of Analysis: 06/08/2022 to 10/08/2022
Receipt Date: 06/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/08/2022 to 06/08/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	73.4	63.4	dB(A)
2.	Lmin	IS 9989, By Calculation	55.4	48.4	dB(A)
3.	Leq	IS 9989, By Calculation	66.45	54.06	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Sample Number:	VEL/JKCW/AN/05	Report No.:	VEL/AN/2208200005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	24/08/2022
		Period of Analysis:	20/08/2022 to 24/08/2022
		Receipt Date:	20/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 19/08/2022 to 20/08/2022
Time of Monitoring	: 06:00 AM to 06:00AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.4	58.7	dB(A)
2.	Lmin	IS 9989, By Calculation	52.6	45.3	dB(A)
3.	Leq	IS 9989, By Calculation	62.78	53.76	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Sample Number:	VEL/JKCW/AN/06	Report No.:	VEL/AN/2208200006
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	24/08/2022
		Period of Analysis:	20/08/2022 to 24/08/2022
		Receipt Date:	20/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 19/08/2022 to 20/08/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Surrounding Activity	: Human, Vehicular and Cement plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2014 & CPCB Guideline
Sampling Duration	: 24.0 Hours
Parameter Required	: As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989, By Calculation	70.6	65.2	dB(A)
2.	L _{min}	IS 9989, By Calculation	56.4	47.6	dB(A)
3.	L _{eq}	IS 9989, By Calculation	68.46	61.35	dB(A)
4.	CPCB Limits in dB(A*) L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/220820007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 24/08/2022
Period of Analysis: 20/08/2022 to 24/08/2022
Receipt Date: 20/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 19/08/2022 to 20/08/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.3	62.4	dB(A)
2.	Lmin	IS 9989, By Calculation	56.3	45.3	dB(A)
3.	Leq	IS 9989, By Calculation	64.34	56.45	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/08 Report No.: VEL/AN/2208200008
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharti - 124106
Distt - Jhajjar (HARYANA) Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 24/08/2022
Period of Analysis: 20/08/2022 to 24/08/2022
Receipt Date: 20/08/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 19/08/2022 to 20/08/2022
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	68.6	58.7	dB(A)
2.	Lmin	IS 9989, By Calculation	54.8	47.4	dB(A)
3.	Leq	IS 9989, By Calculation	64.25	54.26	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Sample Number: VEL/JKCW/AN/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2209060001
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 10/09/2022
Period of Analysis: 06/09/2022 to 10/09/2022
Receipt Date: 06/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 05/09/2022 to 06/09/2022
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.6	61.5	dB(A)
2.	Lmin	IS 9989, By Calculation	46.2	41.8	dB(A)
3.	Leq	IS 9989, By Calculation	56.21	52.45	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Sample Number: VEL/JKCW/AN/02 Report No.: VEL/AN/2209060002
Name & Address of the Party: M/s JK Cement Works Format No.: 7.8 F-03
Mohan Bari Road Jharli - 124106 Party Reference No.: 4600032079
Distt - Jhajjar (HARYANA) Dated- 16.05.2022
Reporting Date: 10/09/2022
Period of Analysis: 06/09/2022 to 10/09/2022
Receipt Date: 06/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 05/09/2022 to 06/09/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	65.3	55.7	dB(A)
2.	Lmin	IS 9989, By Calculation	54.2	45.8	dB(A)
3.	Leq	IS 9989, By Calculation	60.45	50.16	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.







Test Report

Sample Number: VEL/JKCW/AN/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2209060004
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 10/09/2022
Period of Analysis: 06/09/2022 to 10/09/2022
Receipt Date: 06/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Date of Monitoring : 05/09/2022 to 06/09/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	71.6	62.8	dB(A)
2.	Lmin	IS 9989, By Calculation	53.7	45.1	dB(A)
3.	Leq	IS 9989, By Calculation	65.24	53.24	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Test Report

Report No.: VEL/AN/2209200005
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 24/09/2022
Period of Analysis: 20/09/2022 to 24/09/2022
Receipt Date: 20/09/2022

General Information:-

TEST RESULTS

Note *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2209200006
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 24/09/2022
Period of Analysis: 20/09/2022 to 24/09/2022
Receipt Date: 20/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No - 2
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 19/09/2022 to 20/09/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.8	67.2	dB(A)
2.	Lmin	IS 9989, By Calculation	53.6	44.1	dB(A)
3.	Leq	IS 9989, By Calculation	66.32	56.28	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/AN/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/220920007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 24/09/2022
Period of Analysis: 20/09/2022 to 24/09/2022
Receipt Date: 20/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Railway Line Side
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 19/09/2022 to 20/09/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular and Rail Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	72.8	69.1	dB(A)
2.	Lmin	IS 9989, By Calculation	54.6	43.2	dB(A)
3.	Leq	IS 9989, By Calculation	63.17	55.21	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number: VEL/JKCW/AN/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2209200008
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 24/09/2022
Period of Analysis: 20/09/2022 to 24/09/2022
Receipt Date: 20/09/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 19/09/2022 to 20/09/2022
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human, Vehicular and Cement plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No any
Sampling & Analysis Protocol : IS-9989 R-2014 & CPCB Guideline
Sampling Duration : 24.0 Hours
Parameter Required : As per Work Order

TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989, By Calculation	65.3	54.2	dB(A)
2.	Lmin	IS 9989, By Calculation	51.7	44.3	dB(A)
3.	Leq	IS 9989, By Calculation	58.10	50.24	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR FUGITIVE EMISSION
(QUARTERLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (April-Sept-22)

MONTH	Packing Plant	Fly Ash Silo	Unloading Area	Near Cement Mill
Apr-22	509.25	612.47	523.69	624.21
Jul-22	516.18	594.33	548.27	618.63
Average	512.7	603.4	536.0	621.4



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/F/01	Report No.:	VEL/F/2204/20/001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	24/04/2022
		Period of Analysis:	20/04/2022 to 24/04/2022
		Receipt Date:	20/04/2022

Sample Description: FUGITIVE DUST MONITORING

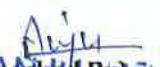
General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Packing Plant
Date of Monitoring	: 18/04/2022
Instrument Used	: HVS & RDS
Instrument ID	: VEL/RDS & HVS/06
Timing of Monitoring	: 09:45 AM to 05:45 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 30°C Max. 27°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	509.25	µg/m ³	5000

End of Report


(Checked By)
SR. ANALYST
Sr. Analyst



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Test Report

Sample Number:	VEL/ JKCW/F/02	Report No.:	VEL/F/2204/20/002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	24/04/2022
		Period of Analysis:	20/04/2022 to 24/04/2022
		Receipt Date:	20/04/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Fly Ash Site
Date of Monitoring	: 18/04/2022
Instrument Used	: HVS & RDS
Instrument ID	: VEL/RDS & HVS/07
Timing of Monitoring	: 06:00 PM to 02:00 AM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 30°C Max. 27°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	612.47	µg/m ³	5000

End of Report

Anjali
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Test Report

Sample Number:	VEL/JKCW/F/03	Report No.:	VEL/F/2204/20/003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	24/04/2022
		Period of Analysis:	20/04/2022 to 24/04/2022
		Receipt Date:	20/04/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Unloading Area
Date of Monitoring	: 19/04/2022
Instrument Used	: HVS & RDS
Instrument ID	: VEL/RDS & HVS/08
Timing of Monitoring	: 09:45 AM to 05:45 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 30°C Max. 27°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	523.69	µg/m ³	5000

End of Report

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Test Report

Sample Number:	VEL/ JKCW/F/04	Report No.:	VEL/F/2204/20/004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	24/04/2022
		Period of Analysis:	20/04/2022 to 24/04/2022
		Receipt Date:	20/04/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Cement Mill
Date of Monitoring	: 19/04/2022
Instrument Used	: HVS & RDS
Instrument ID	: VEL/RDS & HVS/09
Timing of Monitoring	: 06:00 PM to 02:00 AM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 30°C Max. 27°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	624.21	µg/m ³	5000

End of Report

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Test Report

Sample Number:	VEL/JKCW/F/01	Report No.:	VEL/F/2207210001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	26/07/2022
		Period of Analysis:	22/07/2022 to 26/07/2022
		Receipt Date:	22/07/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Packing Plant
Date of Monitoring	: 21/07/2022
Instrument Used	: RDS
Instrument ID	: VEL/RDS/06
Timing of Monitoring	: 09:45 AM to 05:45 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Ambient Temperature (°C)	: Min. 29°C Max. 34°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	516.18	µg/m ³	5000

End of Report



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Test Report

Sample Number:	VEL/ JKCW/F/02	Report No.:	VEL/F/2207210002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	26/07/2022
		Period of Analysis:	22/07/2022 to 26/07/2022
		Receipt Date:	22/07/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Fly Ash Site
Date of Monitoring	: 21/07/2022
Instrument Used	: RDS
Instrument ID	: VEL/RDS/07
Timing of Monitoring	: 06:00 PM to 02:00 AM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Ambient Temperature (°C)	: Min. 29°C Max. 34°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	594.33	µg/m ³	5000

End of Report



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Test Report

Sample Number: VEL/JKCW/F/03
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)
Report No.: VEL/F/2207210003
Format No.: 7.8 F-03
Party Reference No.: NIL
Reporting Date: 26/07/2022
Period of Analysis: 22/07/2022 to 26/07/2022
Receipt Date: 22/07/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Unloading Area
Date of Monitoring : 21/07/2022
Instrument Used : RDS
Instrument ID : VEL/RDS/08
Timing of Monitoring : 09:45 AM to 05:45 PM
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Cloudy Sky
Ambient Temperature (°C) : Min. 29°C Max. 34°C
Surrounding Activity : Human, Vehicular, & Other Plant Activities
Scope of Monitoring : Regulatory Requirement
Duration of Monitoring : 8 Hours
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	548.27	µg/m ³	5000

End of Report



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Test Report

Sample Number: VEL/ JKCW/F/04
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.:	VEL/F/2207210004
Format No.:	7.8 F-03
Party Reference No.:	NIL
Reporting Date:	26/07/2022
Period of Analysis:	22/07/2022 to 26/07/2022
Receipt Date:	22/07/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Cement Mill
Date of Monitoring	: 21/07/2022
Instrument Used	: RDS
Instrument ID	: VEL/RDS/09
Timing of Monitoring	: 06:00 PM to 02:00 AM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Ambient Temperature (°C)	: Min. 29°C Max. 34°C
Surrounding Activity	: Human , Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Duration of Monitoring	: 8 Hours
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As Per Work Order

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	618.63	µg/m³	5000

End of Report



J.K.CEMENT WORKS, JHARLI

Stack Emission Monitoring (mg/Nm³) of FY 2022-23 (April to Sept.-22)

Sr.No.	Location	Month					
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
1	CEMENT MILL	1.02	0.99	1.01	4.02	4.59	5.10



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Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2204/23/001
Name & Address of the Party:	M/s JK Cement Works	Format No.:	7.8 F-01
	Mohan Bari Road Jharli - 124106	Party Reference No.:	NIL
	Distt - Jhajjar (Haryana)	Reporting Date:	27/04/2022
		Period of Analysis:	23/04/2022 to 27/04/2022
		Receipt Date:	23/04/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Date	: 22/04/2022
Sampling Location	: Near Bag House
Sampling Duration (Minutes)	: 35.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 35.0
Temperature of Stack Gases-Ts (°C)	: 85.0
Velocity of Stack Gases (m/sec.)	: 7.25
Flow rate of PM (LPM)	: 22.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS:11255 & CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 1.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	1.02	mg/Nm ³

End of Report

ANUPAM DOLIA
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Test Report

Sample Number: VEL/JKCW/ST/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (Haryana)

Report No.: VEL/ST/2205/18/001
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 23/05/2022
Period of Analysis: 18/05/2022 to 23/05/2022
Receipt Date: 18/05/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative : Mr. Anirudh Dani (Plant Head)
Sample collected by : Vardan EnviroLab Representative
Sampling Date : 16/05/2022
Sampling Location : Near Bag House
Sampling Duration (Minutes) : 32.0
Stack Attached to : Ball Mill Bag house or Separator Bag house
Metrological Condition : Clear Sky
Instrument Calibration Status : OK
Height of Stack : 43.0 mtr
Diameter of Stack : 2 mtr
Ambient Temperature-Ta (°C) : 39.0
Temperature of Stack Gases-Ts (°C) : 89.0
Velocity of Stack Gases (m/sec.) : 7.65
Flow rate of PM (LPM) : 21.0
Flow rate of Gas (LPM) : 2.0
Sampling Condition : Isokinetic
Protocol Used : IS:11255 & CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm³) : 1.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	0.99	mg/Nm ³

End of Report

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Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2206/22/001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (Haryana)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	27/06/2022
		Period of Analysis:	22/06/2022 to 27/06/2022
		Receipt Date:	22/06/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Date	: 20/06/2022
Sampling Location	: Near Bag House
Sampling Duration (Minutes)	: 34.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 41.0
Temperature of Stack Gases-Ts (°C)	: 89.0
Velocity of Stack Gases (m/sec.)	: 8.45
Flow rate of PM (LPM)	: 23.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS:11255 & CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 1.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	1.01	mg/Nm ³

End of Report

(Checked By)
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Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2207220001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (Haryana)	Format No.:	7.8 F-03
		Party Reference No.:	NIL
		Reporting Date:	26/07/2022
		Period of Analysis:	22/07/2022 to 26/07/2022
		Receipt Date:	22/07/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: Vardan EnviroLab Representative
Sampling Date	: 21/07/2022
Sampling Location	: Near Bag House
Sampling Duration (Minutes)	: 32.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 40.0
Temperature of Stack Gases-Ts (°C)	: 94.0
Velocity of Stack Gases (m/sec.)	: 7.47
Flow rate of PM (LPM)	: 22.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS:11255 & CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 4.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	4.02	mg/Nm ³



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Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2208230001
Name & Address of the Party:	M/s JK Cement Works	Format No.:	7.8 F-03
	Mohan Bari Road Jharli - 124106	Party Reference No.:	4600082079
	Distt - Jhajjar (Haryana)	Dated-	16.05.2022
		Reporting Date:	27/08/2022
		Period of Analysis:	23/08/2022 to 27/08/2022
		Receipt Date:	23/08/2022

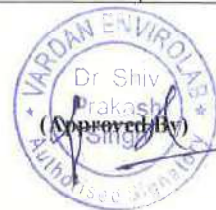
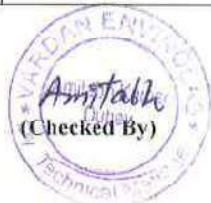
Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Anirudh Dani (Plant Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Date	: 22/08/2022
Sampling Location	: Near Bag House
Sampling Duration (Minutes)	: 35.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 40.0
Temperature of Stack Gases-Ts (°C)	: 90.0
Velocity of Stack Gases (m/sec.)	: 7.80
Flow rate of PM (LPM)	: 26.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255& CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 4.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	4.59	mg/Nm ³





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Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2209120001
Name & Address of the Party:	M/s JK Cement Works	Format No.:	7.8 F-03
	Mohan Bari Road Jharli - 124106	Party Reference No.:	4600082079
	Distt - Jhajjar (Haryana)	Dated-	16.05.2022
		Reporting Date:	15/09/2022
		Period of Analysis:	12/09/2022 to 15/09/2022
		Receipt Date:	12/09/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative
Sampling Date	: 11/09/2022
Sampling Location	: Near Bag House
Sampling Duration (Minutes)	: 34.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 37.0
Temperature of Stack Gases-Ts (°C)	: 95.0
Velocity of Stack Gases (m/sec.)	: 8.80
Flow rate of PM (LPM)	: 28.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255& CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 5.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	5.10	mg/Nm ³



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JK Cement Works, Jharli
STP Outlet Analysis Report June-2022

S. No.	Parameter	Result	Unit	Standards for Discharge as per CPCB		
				In-Land Surface Water	Public Sewers	Land for Irrigation
1	pH (at 25 °C)	7.36	--	5.5-9.0	5.5-9.0	5.5-9.0
2	COD	72.05	mg/l	250	--	--
3	BOD (3 Days at 27 °C)	15.24	mg/l	30	350	100
4	Total Suspended Solid	25	mg/l	100	600	200
5	Oil & Grease	0.35	mg/l	10	20	10

STP Outlet Analysis Report September-2022

S. No.	Parameter	Result	Unit	Standards for Discharge as per CPCB		
				In-Land Surface Water	Public Sewers	Land for Irrigation
1	pH (at 25 °C)	7.21	--	5.5-9.0	5.5-9.0	5.5-9.0
2	COD	58.62	mg/l	250	--	--
3	BOD (3 Days at 27 °C)	18.2	mg/l	30	350	100
4	Total Suspended Solid	19	mg/l	100	600	200
5	Oil & Grease	0.5	mg/l	10	20	10



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/WW/01	Report No.:	VEL/WW/2206/22/001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
Sample Description:	Sewage Water (STP Inlet)	Reporting Date:	27/06/2022
Sampling Location:	STP Plant (30 KLD)	Period of Analysis:	22/06/2022 to 27/06/2022
Sample Collected by:	Vardan EnviroLab Representative	Receipt Date:	22/06/2022
Parameter Required:	As per Work Order	Sampling Date:	20/06/2022
Analysis Protocol:	IS 3025, APHA	Preservation:	Refrigerated
		Sampling Quantity:	2.0 Ltr

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25°C)	APHA 4500-H+ B Electrometric Method	7.05	--
2.	COD	APHA 5220 B Open Reflux Method	176.21	mg/L
3.	BOD (3 Days at 27°C)	APHA, 5210 C/ IS 3025 (Part 44)	49.87	mg/L
4.	Total Suspended Solids	APHA 2540 D Gravimetric Method	82.00	mg/L
5.	Oil and Grease	APHA, 5520 B Partition Gravimetric Method	3.12	mg/L

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Dr. Shiv Prakash Singh
Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/WW/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Sample Description: Sewage Water (STP Outlet)
Sampling Location: STP Plant (30 KLD)
Sample Collected by: Vardan EnviroLab Representative
Parameter Required: As per Work Order
Analysis Protocol: IS 3025, APHA

Report No.: VEL/WW/2206/22/002
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 27/06/2022
Period of Analysis: 22/06/2022 to 27/06/2022
Receipt Date: 22/06/2022
Sampling Date: 20/06/2022
Preservation: Refrigerated
Sampling Quantity: 2.0 Ltr

S. No.	Parameter	Test - Method	Result	Unit	Standards for Discharge as per CPCB		
					In-Land Surface Water	Public Sewers	Land for Irrigation
1.	pH (at 25°C)	APHA 4500-H+ B Electrometric Method	7.36	--	5.5-9.0	5.5-9.0	5.5-9.0
2.	COD	APHA 5220 B Open Reflux Method	72.05	mg/L	250	--	--
3.	BOD (3 Days at 27°C)	APHA, 5210 C/ IS 3025 (Part 44)	15.24	mg/L	30	350	100
4.	Total Suspended Solid	APHA 2540 D Gravimetric Method	25.00	mg/L	100	600	200
5.	Oil & Grease	APHA, 5520 B Partition Gravimetric Method	0.35	mg/L	10	20	10

(Checked By)
ANJU KIDOLIA
Sr. Analyst

(Approved By)
Dr. Shiv Prakash Singh
Authorised Signatory



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/WW/01
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Dist - Jhajjar (HARYANA)

Report No.: VEL/WW/2209100001
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 15/09/2022
Period of Analysis: 10/09/2022 to 15/09/2022
Receipt Date: 10/09/2022
Sampling Date: 10/09/2022
Preservation: Refrigerated
Sampling Quantity: 2.0 Ltr

Sample Description: Sewage Water (STP Inlet)
Sampling Location: STP Plant
Sample Collected by: VardanEnviroLab Representative
Parameter Required: As per Work Order
Analysis Protocol: APHA

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	APHA 4500-H+ B Electrometric Method	7.82	--
2.	COD	APHA 5220 B Open Reflux Method	187.53	mg/L
3.	BOD (5 Days at 20 °C)	APHA, 5210 C Ultimate BOD Test	43.27	mg/L
4.	Total Suspended Solids	APHA 2540 D Gravimetric Method	54.00	mg/L
5.	Oil and Grease	APHA, 5520 B Partition Gravimetric Method	7.20	mg/L





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCW/WW/02
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt-Jhajjar (HARYANA)

Report No.: VEL/WW/2209100002
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 15/09/2022
Period of Analysis: 10/09/2022 to 15/09/2022
Receipt Date: 10/09/2022
Sampling Date: 10/09/2022
Preservation: Refrigerated
Sampling Quantity: 2.0 Ltr

Sample Description: Sewage Water (STP Outlet)
Sampling Location: STP Plant
Sample Collected by: VardanEnviroLab Representative
Parameter Required: As per Work Order
Analysis Protocol: IS 3025, APHA

S. No.	Parameter	Test - Method	Result	Unit	Standards for Discharge as per CPCB		
					In-Land Surface Water	Public Sewers	Land for Irrigation
1.	pH (at 25 °C)	APHA 4500-H+ B Electrometric Method	7.21	--	5.5-9.0	5.5-9.0	5.5-9.0
2.	COD	APHA 5220 B Open Reflux Method	58.62	mg/L	250	--	--
3.	BOD (5 Days at 20°C)	APHA, 5210 C Ultimate BOD Test	18.20	mg/L	30	350	100
4.	Total Suspended Solid	APHA 2540 D Gravimetric Method	19.00	mg/L	100	600	200
5.	Oil & Grease	APHA, 5520 B Partition Gravimetric Method	0.50	mg/L	10	20	10



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Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardan.co.in, bd@vardan.co.in



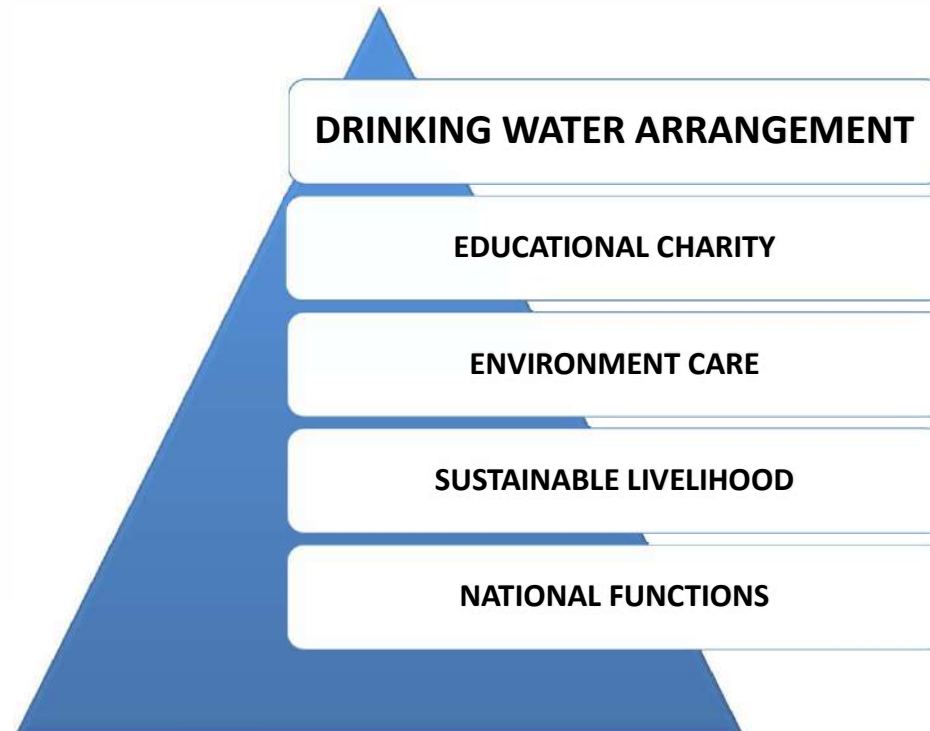
CSR ACTIVITIES (01 April - 30th Sept -2022) J K CEMENT WORKS, JHARLI





CSR Works by JK Cement Works Jharli in 2022-23

CSR activities of JK Cement Works Jharli are focused in Jharli and surrounding villages of Plant area in Jhajjar District, impacting the life of thousands of people. Our CSR activities are focused mainly in the following sectors :



Donation of food grains at Dada Dhandas Temple



A group of Jharli team members visited Dada Dhandas Temple at Village - Naugaon where 3 quintals of food grains for birds were donated on behalf of J. K. Cement Works Jharli.

Installation of Z-pumps at Jharli village



J K Cement Works Jharli has installed 02 (two) no. Z pumps at Jharli village for the benefit of local villagers.

MEDICAL EXAMINATION**1. PERSONAL DETAILS:**Name: ROHIT KUMAR Surname OAS Age 30Address: 100 FT. ROAD, TULSI Vihar, RAJSAMAND, RAJASTHAN, 313324Marital Status MARRIED Sex MALE**2. FAMILY HISTORY**

	AGE	HEALTH (GOOD, BAD, FAIR)	AGE AT DEATH (if dead)
Father	<u>58</u>	<u>GOOD</u>	
Mother	<u>56</u>	<u>"</u>	
Brother (No.)	<u>33</u>	<u>"</u>	
Sisters (No.)	<u>—</u>	<u>"</u>	
Husband/Wife ✓	<u>27</u>	<u>"</u>	
Children (No.)	<u>—</u>	<u>"</u>	

3. PERSONAL HISTORY: (Self Declaration)Are you in good health and capable of full work YESTypes of previous occupation? OFFICIAL (MANUFACTURING)Have you ever suffered from an occupational disease or injury? NOHave you ever been discharge or rejected on medical grounds? NODate of last vaccination if known 30/10/2021 (COVID SHIELD)

Have you ever suffered from any of the following: (Answer "Yes" or "No", if yes give details on separate Page).

Rheumatic fever: NOHeart Trouble: NOStomach or other digestive disorder: NOAsthma: Yes/No, Pleurisy: NOPlum TB: Yes/No, Chest Bronchitis: NOKidney Disease: NOMalaria: YESThyroid fever: NOSinusitis: NOOperation or Injuries: NO

Do you have any physical handicap:

Any other illnesses:

Jaundices: NODiabetes: NOFits fainting or dizziness: NONervous mental disease of any kind: NOVenereal Disease: NODermatitis or any skin disease: NOAny allergy history: NOEar allergy or: NOMenstrual history only females: N.A

4. I declare that the above statement are true and complete to the best of my knowledge and behalf and I agree that the results of this medical examination in general terms may be revealed to the company if required I also fully understand that if any of the said statement if proved wrong the company may have full right to disengage my services and I shall therefore have no claim against the company, if for any reason I am discharged from its services.

Date: 05/04/2022

Signature of prospective Employee

5. RESULT OF PHYSICAL EXAMINATION (by qualified medical practitioner)

1. General Appearance: Good Skin: Normal.
2. Throat Nil Tonsils Nil Glands Nil
3. Ears Good. Hearing E.G. Whisper. 20 ft Nose NAD
4. Teeth & Gums Nil. Tongue NAD.
5. Vision Distant: R.E. 6/6 L.E. 6/6 Corrected R.E. L.E.
Near: R.E. L.E. Corrected R.E. L.E.
Eye Disease NO. Color Vision OK
6. Height 170 Chest Exp. 93 Insp. 98
Weight 70 Girth of abdomen 95
Heart Sound S1 S2 (N) Murmurs NO. Normal
Arteries NAD. Blood Pressure 110/70 mm
Pulse Rate 92/min Character
7. Lungs B/L Chest Clear. NO Atypical Sound.
8. Abdomen P/A Soft. Liver Spleen
9. Urinary & Genital Organ Normal.
Venereal Disease
10. Special Conditions: Flat Feet NO Varicose Vein NO.
Hernia NAD Deformities NAD.
Scars NAD.
Identification Marks on Head.
11. Nervous system Rx. Conscious & well oriented Pupillary Reaction N/R.
Plantars Good Knee Jerks Good Romberg sign NAD.

6. INVESTIGATIONS REQUIRED (From Diagno Lab/SRL Lab or Reputed Lab.)

1. Blood Sugar(f) 99.2 mg/dL
2. SCreatinine 0.96
3. HIV, HbSAg Non Reactive
4. CBC, Lipid profile(f) attached. and Normal
5. Blood Group O +ve

6. COMMENTS AND RECOMMENDATIONS:

Dr. Anil Sharma (M. S.,)
RMC Reg. No. 8881
SHARMA HOSPITAL
Kankrell Distt. Raipur

Signature, Registration No. with seal of qualified allopathic medical practitioner.



SD लेब & सोनोग्राफी

श्रीनाथ सी.टी. स्कैन & डायग्नोस्टिक लेब

सोनोग्राफी, सी. टी. स्कैन
खून-पेशाब की जाँच
डिजिटल एक्स-रे, ईको
डेंटल ओ.पी.जी, ई.सी.जी
TMT, PFT

Name	Mr. ROHIT KUMAR DAS	Registration On	03/04/2022
Gender/Age	Male 30 Yrs	Sample Accepted On	03/04/2022 09:57:39
PatientId	12225	Result Authenticate On	03/04/2022 11:01:43
Referred By	Others SELF	Refer Lab/Hosp	Test Authenticated at : 03/04/2022 11:01:43

HAEMATOLOGY

Investigation	Value	Status	Unit	Biological Ref Interval
BLOOD GROUP ABO AND RH TYPE Gel Technique & Tube Agglutination				
BLOOD GROUP A.B.O.	O			A/B/O/AB Rh Negative/Positive
RH TYPING Blood Group done is only forward blood group. In case of discrepancy please contact undersign	POSITIVE			

TECNOLOGIST

PATHOLOGIST



Page No. 1 of 4

लैब 1 : दु. नं. 14, 15, नगरपालिका कॉम्प्लेक्स, आर. के हॉस्पिटल के सामने एवं लैब 2 : 100 फीट रोड, Essar पेट्रोल पम्प के सामने, राजसमन्द

फोन : 9813717089, 9828551669, 8690901947, 02952-294250

Not for Medico Legal Purpose

Name	Mr. ROHIT KUMAR DAS	Registration On	03/04/2022
Gender/Age	Male 30 Yrs	Sample Accepted On	03/04/2022 09:57:39
PatientId	12225	Result Authenticate On	03/04/2022 11:01:43
Referred By	Others SELF	Refer Lab/Hosp	Test Authenticated at : 03/04/2022 11:01:43

IMMUNOLOGY

Investigation	Value	Status	Unit	Biological Ref Interval
RAPID HBsAG TEST	NON REACTIVE			NON REACTIVE
RAPID HIV 1-2 ANTIBODY	NON REACTIVE			NON REACTIVE

Note:

This test is screening test. All positive/doubtful case must be confirmed by Western blot or Polymerase chain reaction (PCR) method

*** End of Report ***

TECNOLOGIST

PATHOLOGIST



Page No: 4 of 4

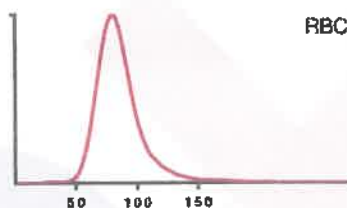
Run Date: 04/03/2022 10:10:51 AM

Operator: SD.LAB

Last Name
First Name: ROHIT KUMAR DAS
Gender: Male Age: 30 Y
Patient ID: 12225
Birth Date
Sample comments: EDTA

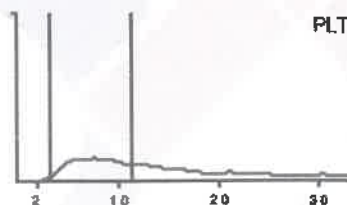
Sample ID: AUTO_SID0001
Rack/Pos
Department: S.D.LAB
Physician: SELF
Type: Man

			Range
RBC	5.31	10 ⁶ /μL	4.20 - 6.00
HGB	16.7	g/dL	13.0 - 17.0
HCT	50.0	%	39.0 - 52.0
MCV	94.0	μm ³	76.0 - 100.0
MCH	31.4	pg	26.0 - 34.0
MCHC	33.4	g/dL	32.0 - 35.0
RDW-CV	12.4	%	11.0 - 16.0
RDW-SD	48.7	μm ³	37.0 - 49.0



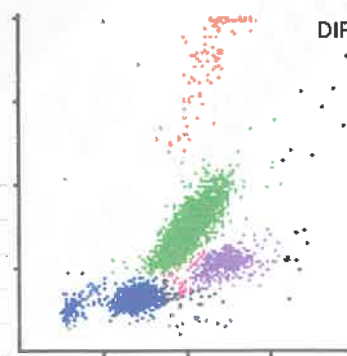
RBC

			Range
PLT	137	10 ³ /μL	150 - 400
PCT	0.18	%	0.15 - 0.40
MPV	13.3	μm ³	8.0 - 11.0
PDW	29.6	μm ³	11.0 - 22.0
P-LCC	74	10 ³ /μL	44 - 140
P-LCR	53.9	%	18.0 - 50.0



PLT

			Range
WBC	5.83	10 ³ /μL	3.50 - 10.00
	#		
NEU	3.29	1.60 - 7.00	56.8
LYM	1.70	1.00 - 3.00	29.4
MON	0.56	0.20 - 0.80	9.6
EOS	0.18	0.00 - 0.50	3.1
BAS	0.06	0.00 - 0.15	1.1
LIC	0.04	0.00 - 0.10	0.7



DIF

Slide Review

Neutrophil	Myeloblast	Anisocytosis
Lymphocyte	Promyelocyte	Hypochromia
Monocyte	Myelocyte	Polychromasia
Eosinophil	Metamyelocyte	Poikilocytosis
Basophil	Blast	Microcytosis
Atypical Lymphocyte	Target Cell	Macrocytosis
Other	Sickle Cell	Platelet Clumps

Reviewed on _____ by _____ Signature: _____

Name	Mr. ROHIT KUMAR DAS	Registration On	03/04/2022
Gender/Age	Male 30 Yrs	Sample Accepted On	03/04/2022 09:57:39
PatientId	12225	Result Authenticate On	03/04/2022 11:01:43
Referred By	Others SELF	Refer Lab/Hosp	Test Authenticated at : 03/04/2022 11:01:43

BIOCHEMISTRY

Investigation	Value	Status	Unit	Biological Ref Interval
BLOOD GLUCOSE (FASTING) Method : GOD-POD with Sodium Fluoride Plasma	99.2	H	mg/dl	65.0 - 90.0
CREATININE SERUM Method : ENZYMATIC WITH SERUM	0.96		mg/dl	0.70 - 1.40

TECNOLOGIST

PATHOLOGIST



Page No: 3 of 4

Name Mr. ROHIT KUMAR DAS	Registration On	03/04/2022
Gender/Age Male 30 Yrs	Sample Accepted On	03/04/2022 09:57:39
PatientId 12225	Result Authenticate On	03/04/2022 11:01:43
Referred By Others SELF	Refer Lab/Hosp	Test Authenticated at : 03/04/2022 11:01:43

BIOCHEMISTRY

Investigation	Value	Status	Unit	Biological Ref Interval
Cardiac Lipid Work-Up				
CHOLESTEROL TOTAL	191		mg/dl	140 - 250
Method : CHOD - PAP WITH SERUM				
CHOLESTEROL H D L	40.3		mg/dl	m00.0
Method : PEG-CHOL WITH SERUM				
TRIGLYCERIDES	159.00	H	mg/dl	Normal 50-150 Borderline 150-199 High >200
Method : GPO - ADPS with serum				
LDL CHOLESTROL	119		mg/dl	80 - 130
Method : Enzymatic with serum				
VLDL CHOLESTEROL	32		mg/dl	0 - 35
CHOLESTEROL TOTAL / HDL RATIO	3.92			0.00 - 5.00
CHOLESTEROL LDL / HDL RATIO	1.97			0.00 - 4.30

Comments :-

Risk factor for coronary diseases :

Serum Cholesterol	Low : <200 mg/dl	Moderate : 200 -240 mg/dl	High : >240 mg/dl
Serum LDL Cholesterol	Low : <130 mg/dl	Moderate : 130-160 mg/dl	High : >160 mg/dl
Cholesterol / HDL	Low : <5.1	Moderate : 5.1-8	High : >8.1

TECNOLOGIST

PATHOLOGIST



Page No: 2 of 4

MEDICAL EXAMINATION

1. PERSONAL DETAILS:

Name Samtosh Surname Rathod Age 29
 Address A1 - Subba Nayak Tonda, Post - Malwar Station, Tal. Chittapur, Dist - Kalaburagi, Karnataka - 585218
 Marital Status Single Sex Male

2. FAMILY HISTORY

	AGE	HEALTH(GOOD, BAD, FAIR)	AGE AT DEATH(if dead)
Father	49	Good	—
Mother	38	Good	—
Brother (No.) (2)	26, 27	Good	—
Sisters (No.) (1)	24	Good	—
Husband Wife	—	—	—
Children (No.)	—	—	—

3. PERSONAL HISTORY:(Self Declaration)

Are you in good health and capable of full work? Yes
 Types of previous occupation? Sr. Mechanical Engineer in JSW, Salem,
 Have you ever suffered from an occupational disease or injury? No
 Have you ever been discharge or rejected on medical grounds? No
 Date of last vaccination if known 2nd Dose - 08 Sep. 2021

Have you ever suffered from any of the following: (Answer "Yes" or "No", if yes give details on separate Page).

Rheumatic fever: <u>No</u>	Any other illnesses: <u>No</u>
Heart Trouble: <u>No</u>	Jaundices: <u>No</u>
Stomach or other digestive disorder: <u>No</u>	Diabetes: <u>No</u>
Asthma: Yes/No, Pleurisy: <u>No</u>	Fits fainting or dizziness: <u>No</u>
Plum TB: Yes/No, Chest Bronchitis: <u>No</u>	Nervous mental disease of any kind: <u>No</u>
Kidney Disease: <u>No</u>	Veneral Disease: <u>No</u>
Malaria: <u>No</u>	Dermatitis or any skin disease: <u>No</u>
Thyroid fever: <u>No</u>	Any allergy history: <u>No</u>
Sinusitis: <u>No</u>	Ear allergy or: <u>No</u>
Operation or Injuries: <u>No</u>	Menstrual history only females: <u>—</u>
Do you have any physical handicap: <u>No</u>	

4. I declare that the above statement are true and complete to the best of my knowledge and behalf and I agree th the results of this medical examination in general terms may be revealed to the company if required I also ful understand that if any of the said statement if proved wrong the company may have full right to disengage n services and I shall therefore have no claim against the company, if for any reason I am discharged from services.

Signature of prospective Employee

5. RESULT OF PHYSICAL EXAMINATION (by qualified medical practitioner)

1. General Appearance: Average Skin: Dark
 2. Throat (N) Tonsils (N) Glands - NO -
 3. Ears (N) Hearing E.G. Wishper. 20 ft — Nose —

4. Teeth & Gums (N) Tongue _____

5. Vision Distant: R.E. 6/6 L.E. 6/6 Corrected R.E. _____ L.E. _____

Near: R.E. _____ L.E. _____ Color Vision _____

Eye Disease _____

6. Height 165 cm Chest Exp. 85 cm Insp. 81 cm

Weight 57.7 kg Girth of abdomen 78

Heart Sound S1 S2 (+) Murmurs NO

Arteries _____ Blood Pressure 120/70 mm Hg

Pulse Rate 80/m Character _____

7. Lungs clear Spleen (N)

8. Abdomen Soft, Bowel sound + Normal Liver (N)

9. Urinary & Genital Organ _____

Veneral Disease _____ Vericose Vein _____

10. Special Conditions: Flat Feet _____ Deformities _____

Hernia _____

Scars on (C) Foot.

Identification Marks A mole on the External nose.

11. Nervous system Normal Pupillary Reaction equal

Plantars _____ Knee Jerks _____ Rhomberg sign _____

6. **INVESTIGATIONS REQUIRED (From Diagno Lab/SRL Lab or Reputed Lab.)**

1. Blood Sugar(f) 95 mg/dl

2. SCreatinine 0.89 mg/dl

3. HIV.HbSAg Non-Reactive.

4. CBC,Lipid profile(f) Normal

5. Blood Group B positive.

6. **COMMENTS AND RECOMMENDATIONS:**

FIT FOR WORK

Signature, Dr. A. JAGADEESAN, MD., DLO.
 General And Critical Care Physician, qualified allopathic medical practitioner.
 Regn. No: 75386
 SPMM HOSPITAL,
 29, Cuddalore Main Road,
 Ammapet, SALEM - 636 003



JK Cement Works, Jharli

A unit of JK Cement Ltd.

CIN: L17229UP1994PLC017199

Mohanbari Road, Jharli - 124106, Distt. Jhajjar (Haryana) INDIA

+91 - 9729991610 jkc.jhar@jkcement.com

www.jkcement.com

Ref. No. JKJharli/PC-01/945

Dated – 22nd September, 2022

The Member Secretary,
Haryana State Pollution Control Board
C-11, Sector-6, **Panchkula** 134 109

Sub.: Environmental Statement Report (Form - V) for the F. Year 2021 - 2022 of J.K.Cement Limited, Village - Jharli, Teshil - Matanhail, District - Jhajjar (Haryana).

Ref.: CTO: HSPCB/Consent/: 2776718 JHACTO4348463, Dated 21.01.2018.

Dear Sir,

With reference to above subject matter, please find enclosed herewith Environment Statement Report (Form - V) of J.K. Cement Limited, Jharli for the FY 2021 – 2022 for your reference and record. We believe you will find the same in order.

Thanking you,

Yours faithfully,

For JK Cement Limited

Kapil Agrawal
Unit Head

Encl.: Form - V along with Supporting Annexures (04 Nos.)

CC: The Regional Officer, Haryana State Pollution Control Board, SCF No. 42 & 43,
Shopping Centre, Sector-6, HUDA, Bahadurgarh, District: - Jhajjar (Haryana) - 124 507
Mail id:- hspcbrobdh@gmail.com

Corporate Office

Padam Tower, 19, DDA Community Centre,
Okhla, Phase - 1, New Delhi - 110020, India

+011-49220000

admin.padamtower@jkcement.com

www.jkcement.com

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Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)

Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

**JK CEMENT
WallMaxX**
White Cement Wall Putty



ENVIRONMENTAL STATEMENT
FORM - V

Environmental Statement for the financial year 2021- 22, ending the 31st March' 2022

PART-A

i. Name an address of the owner/occupier of the industry operation or process	J.K. Cement Works, Jharli Village: Jharli, Tehsil: Matanhail, District: Jhajjar (Haryana)
ii. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
iii. Production capacity 1. Cement 2. Tile Adhesive	2.0 Million TPA 30 MT/ Day
iv. Year of establishment- (UNIT WISE)	Year- 2014
v. Date of last environmental statement submitted	27.09.2021

PART-B

WATER AND RAW MATERIAL CONSUMPTION

i. **WATER CONSUMPTION** (in m3/day)

Process : 7.79 m3/day

Domestic : 47.81 m3/day

Name of products	Process water consumption per unit of products	
	During the previous financial year (2020-21) (KL/MT)	During the current financial year (2021-22) (KL/MT)
1. Cement	0.0025	0.0019
2. Tile Adhesive	0.0	0.0

ii. RAW MATERIAL CONSUMPTION

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
Clinker	Cement	0.59	0.55
Gypsum		0.09	0.10
Flyash %		0.28	0.32
Pondash %		0.04	0.02
Silica Sand	Tile Adhesive	0.90	0.74
Cement		0.03	0.24

PART-C

POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (Ton/Day)	Concentration of pollutants in discharge (mg/Nm3)	Percentage of variation from prescribed standards with reasons
(a) Water	Cement plant is being operated on dry process technology, hence no liquid effluent is generated. Domestic waste water generated from the office toilet and canteen is being treated in sewage treatment plant and treated water is being reused in plantation and horticulture. STP treated water analysis report is attached as Annexure-I		
(b) Air	1. Stack Emission Monitoring Report is attached as Annexure- II . 2. Ambient Air Monitoring Report is attached as Annexure- III . 3. Ambient Air Noise monitoring Report is attached as Annexure- IV .		

PART-D

(As specified under Hazardous & Other Waste Management Rules' 2016)

Hazardous waste	Total Quantity	
	During previous financial year (2020-21) (KL)	During current financial year (2021-22) (KL)
(a) From Process	Used Oil (Cat. 5.1) - 4.26 KL	Used Oil (Cat. 5.1) – 5.464 KL
(b) From Pollution Control facilities	Not applicable	Not applicable

* Hazardous waste generated will be sold to authorized recycler authorized by CPCB.

PART-E
SOLID WASTE

Source	Total Quantity	
	During previous financial year (2020-21) (MT/Year)	During current financial year (2021-22) (MT/Year)
(a) From process	NONE	NONE
(b) From pollution control facility	Dust collected in bag house and bag filters are recycled into the system	Dust collected in bag house and bag filters are recycled into the system
(c) Quantity rejected or reutilized with in the unit	100%	100%

Other Solid Waste

<u>Name of solid waste</u>	Total Quantity	
	During previous financial year (2020-21) (MT/Year)	During current financial year (2021-22) (MT/Year)
Metal Scrap	68.25	264.59
Plastic Scrap	6.92	60.43
Empty Drums	0	0
Wooden scrap	0	0
Cable scrap	0	0
Paper Waste	0	0
Torn PP Bags & other misc. Plastic Waste	0	0
E-waste (Old computers, printers, circuit boards etc.)	0	0
Spent Batteries	0	0
Filter bags scrap	0	0
Cotton waste/cotton rags	0	0

PART-F

PLEASE SPECIFY THE CHARACTERISATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.

- 1) Hazardous waste generated in the form of used / spent oil, waste / residue containing oil, which is stored in barrels at safe & dedicated area and will be sold to recycler approved by Central Pollution Control Board.

- 2) Dust collected from pollution control equipment's (i.e. from Bag house and Bag filter) is totally recycled in the process.

PART-G

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

Cement manufacturing is a dry process technology, hence no effluent generated from process. Which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy. The stack emissions from the plant are controlled by equipment like Bag filters installed at various material transfer points to arrest the fugitive emissions. The particulate matter collected from the pollution control equipment is recycled in process and optimizing the cost of operation of pollution control equipment, conserving natural raw material and hence no impact on the environment.

PART-H

ADDITIONAL MEASURES / INVESTMENT PROPOSALS FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT POLLUTION, PREVENTION OF POLLUTION.

- 1) Closed clinker storage silo constructed to reduce the fugitive dust emission, with High efficiency Bag filters.
- 2) Fly ash stored in closed silo constructed to reduce the fugitive dust emission, with High efficiency Bag filters.

PART-I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT

- 1) Monitoring of stack emission and Ambient Air Quality and Water Quality is being done regularly as mentioned in consent to operate.
- 2) Ambient Air Quality Monitoring Stations (04 Nos.) have been installed at periphery of the plant.
- 3) Continuous Emission Monitoring Systems (CEMS) for PM have been installed at stack of cement mill and real time data transfer to HSPCB & CPCB.
- 4) Bag filters (29 Nos) have been installed at various material transfer points to control fugitive emission and 02 No. Bag House has been installed at Cement Mill & Wagon tripper.
- 5) Cement being manufacturing in dry process and there is no any effluent generated from the process hence maintaining Zero Liquid Discharge (ZLD) unit.
- 6) Fly ash purchased from nearby thermal power plant and use for cement production.
- 7) Raw materials are stored in covered shed, product in closed silo with high efficient bag filters for fugitive dust emission control.

- 8) Proper Housekeeping and cleaning is being done with the help of road sweeping machines.
- 9) Cover shed Constructed to store the raw material, to avoid fugitive emission. Finish product stored in closed silo.
- 10) All Belt Conveyor belt are fully covered & also installed Bag filter at all material transfer points
- 11) Cemented road constructed to avoid fugitive dust generation during the movement of vehicle.
- 12) Ground water level monitoring being done.
- 13) Industry has constructed 09 Nos. of rain water harvesting structures in plant & nearby Villages to recharge ground water.
- 14) Total 107000 plants planted till July - 2022 and 107000 m² area covered (36.72% area) under green belt.

Yours faithfully,
For JK Cement Works, Jharli



Authorized signatory

J.K.Cement Works, Jharli (Haryana)
Sewage STP Treated Water Analyses Report (Quarterly)
(F. Year- 2021 - 2022)

S. No.	Parameter	I st Quarter	II nd Quarter	III rd Quarter	IV th Quarter
1	Bio-Chemical Oxygen Demand (BOD) (3 Days at 270C) (mg/l)	18.00	17.00	19.00	18.60
2	Chemical Oxygen Demand (COD)(mg/l)	69.40	79.80	81.70	79.69
3	Total Suspended Solids (TSS) (mg/l)	23.00	28.00	31.00	29.00
4	Oil & Grease (mg/l)	0.42	0.49	0.46	0.43

J.K.CEMENT WORKS, JHARLI**Cement Mill Stack Emission Report****Year : 2021-22**

Month	PM (monthly average in mg/NM3)	PM (TPD)	PM (TPM)	Mass Dust Load (Kg/Tons of Cement)	% variation from prescribed standard
Apr-21	24.40	0.02	0.36	0.003	-5.6
May-21	29.50	0.02	0.32	0.003	-0.5
Jun-21	29.70	0.02	0.43	0.004	-0.3
Jul-21	29.80	0.02	0.41	0.004	-0.2
Aug-21	28.40	0.02	0.44	0.003	-1.6
Sep-21	17.60	0.02	0.39	0.003	-12.4
Oct-21	16.90	0.02	0.47	0.003	-13.1
Nov-21	17.20	0.02	0.31	0.003	-12.8
Dec-21	2.00	0.02	0.42	0.003	-28
Jan-22	2.00	0.02	0.34	0.003	-28
Feb-22	2.10	0.02	0.38	0.003	-27.9
Mar-22	2.00	0.02	0.52	0.003	-28
Average	16.80	0.02	0.40	0.00	-13.20

J.K.Cement Works, Jharli (Haryana)
Ambient Air Quality Report (Monthly Average Data in µg/M3)
(F. Year- 2021 - 2022)

Month	Near Gate No. 1				Near Gate No. 2				Near Railway Line Side				Near Wagon Trippler			
	PM10	PM2.5	NO _x	SO ₂	PM10	PM2.5	NO _x	SO ₂	PM10	PM2.5	NO _x	SO ₂	PM10	PM2.5	NO _x	SO ₂
April' 21	55.8	31.9	16.8	8.6	54.8	33.5	16.3	9.0	48.0	33.7	16.5	8.8	55.4	33.5	17.6	9.1
May' 21	55.4	33.2	16.2	8.2	54.7	34.3	15.5	9.1	44.6	32.2	17.0	9.1	54.1	32.2	17.1	8.8
June' 21	54.3	32.3	16.4	8.2	54.6	34.1	16.9	9.0	48.4	34.5	17.6	9.1	52.8	34.2	19.1	8.7
July' 21	53.4	33.8	16.3	8.2	54.4	35.3	16.7	8.7	44.6	34.6	16.2	8.6	53.7	34.9	19.8	9.2
Aug' 21	55.0	33.7	17.2	8.5	52.0	35.3	16.9	8.8	46.8	35.6	16.8	8.6	47.1	33.2	19.9	8.8
Sept.' 21	56.6	36.4	17.5	9.0	56.3	35.5	16.2	8.1	53.2	33.0	14.4	7.3	53.2	33.3	14.6	7.5
Oct.' 21	55.2	34.8	19.7	9.2	54.6	34.5	19.4	9.0	53.9	33.7	19.7	8.5	53.1	33.6	19.1	8.7
Nov.' 21	58.0	38.1	20.3	9.2	56.7	36.9	19.7	9.1	55.6	35.2	18.3	8.6	55.3	34.7	18.6	8.6
Dec.' 21	63.0	42.4	22.7	9.7	61.0	40.6	21.2	9.4	57.8	37.0	18.4	8.8	57.2	37.2	18.8	8.9
Jan.' 22	64.1	43.4	23.0	9.7	61.3	40.7	21.0	8.7	56.7	36.7	17.8	8.7	55.2	36.1	17.5	8.8
Feb.' 22	61.5	42.2	20.8	9.7	59.0	39.4	19.2	9.4	56.3	37.0	17.7	8.9	55.9	36.3	17.1	8.9
March' 22	61.2	41.6	18.9	10.8	58.9	38.6	18.4	10.1	58.2	38.4	15.8	9.7	55.7	37.8	18.0	10.1
Average	58.2	37.9	19.3	9.2	56.9	37.1	18.5	9.0	53.2	35.6	17.3	8.7	53.9	35.1	18.2	8.8

J.K. CEMENT WORKS, JHARLI
Ambient Noise Monitoring in dB(A) 2021-22

Location	Gate No -1		Gate No -2		Railway Line Side		Near Wagon Tippler	
	Day	Night	Day	Night	Day	Night	Day	Night
Apr-21	63.5	47.2	65.1	49.2	60.2	49.7	61.7	47.3
	67.4	55.3	62.3	46.4	67.6	52.5	57.2	45.6
May-21	67.2	53.2	67.3	54.6	72.5	66.8	63.2	54.8
	71.4	65.4	65.1	53.5	70.5	64.5	66.8	56.7
Jun-21	70.1	60.5	68.3	51.4	60.1	50.4	64.2	56.4
	71.3	61.7	61.5	52.2	65.1	52.1	62.3	54.1
Jul-21	69.5	61.3	70.9	52.5	64.3	53.8	64.7	55.1
	70.8	63.4	63.8	51.9	66.9	52.9	69.5	55.1
Aug-21	71.5	62.8	68.4	58.3	68.5	57.8	69.5	57.4
	70.4	65.8	72.8	60.9	69.3	56.8	71.5	66.2
Sep-21	71.6	53.2	70.3	54.1	63.2	52.7	68.5	53.2
	69.6	55.2	62.4	53.7	64.8	51.6	69.6	58.2
Oct-21	66.5	56.2	63.2	52.5	62.1	49.2	64.2	51.0
	65.5	50.2	56.2	46.5	68.0	52.7	61.5	45.2
Nov-21	65.5	56.2	61.2	52.5	64.1	49.2	63.2	51.0
	62.5	50.2	56.2	46.5	67.0	52.7	65.5	45.2
Dec-21	66.4	57.6	65.6	53.1	61.6	56.7	66.2	56.8
	64.1	55.5	62.2	53.8	61.8	56.7	64.6	53.2
Jan-22	64.2	53.7	63.5	52.8	65.9	55.1	64.2	52.6
	65.3	56.2	61.6	54.5	63.8	54.5	65.3	54.4
Feb-22	62.8	56.5	66.7	57.1	66.1	57.8	67.9	56.3
	67.4	60.3	67.5	56.7	65.5	55.3	62.3	55.6
Mar-22	61.9	55.1	65.8	56.7	67.3	58.4	62.8	52.7
	66.2	59.6	68.3	57.6	63.8	54.9	64.7	56.1
Average	67.2	57.2	64.8	53.3	65.4	54.8	65.0	53.8

From

Fire Station Officer,
Bahadurgarh (Jhajjar)

To,

M/s JK Cement Works,
Village Jharli, Tehsil-Matanhail,
Distt. Jhajjar Haryana.

Memo No. 434/FSB


Dated 20.06.18

Subject: Renewal of Fire NOC from fire safety point of view in respect of Industrial Building M/s JK Cement Works, Village-Jharli, Tehsil- Matanhail Distt-Jhajjar, Haryana.

The above said building was inspected by Fire Station Officer Bahadurgarh to check the above building's Fire Fighting arrangement in respect of Industrial building. During inspection, the Fire Fighting arrangements in the above said industrial building were found in working condition as per National Building Code of India, Part IV Revision 2005 & 2016. This No Objection Certificate is issued to firm with the approval Ld. Deputy Commissioner, Jhajjar Memo No. 930/LFA Dated 20/06/2018.

The No. objection Certificate is issued this effect on the following terms and conditions.

1. That the present No Objection Certificate shall be valid for a period of Five year from the date of issue & it shall be the responsibility of the owner to obtain renewal of the same.
2. That the owner/ occupier shall ensure that the Fire Fighting arrangements should remain in working condition all the times & for any lapses in this regard the owner/occupier shall be responsible for the same.
3. That the owner/occupier shall be responsible to deploy trained Fire Fighting staff in the Industries round the clock i.e. under rule in all three shifts to operate & maintain the Fire Fighting system in the Industries .
4. The owner/occupier shall strictly follow the other applicable rules/regulations/bylaws laid down regarding Fire Safety System. If you fail to comply with any of above terms/conditions, you will be liable to be punished as per Haryana Fire Service Act, 2009 specially chapter III, Section 31, & sub rules 1&2 of said Act.


Fire Station Officer
Bahadurgarh (Jhajjar)