

Ref. No. JK/Jharli/PC-01/960

Dated – 25th May, 2023

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: **October 2022 to March 2023**.

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: **October 2022 to March 2023** 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,


Sameer Pujari
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
CEMENT
BUILD SAFE

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



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 October 2022 to March 2023 Dated:25.05.2023

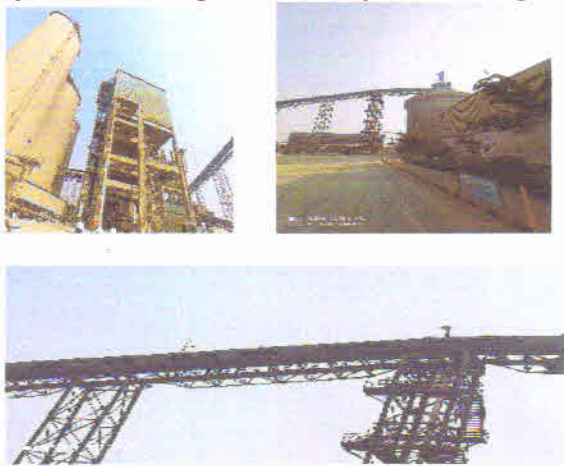
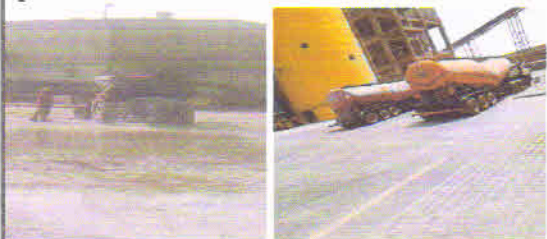
Part A. - Specific Conditions

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 (October 2022-March 2023) 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>NOx</th><th>SO2</th></tr><tr><td>L1</td><td>35.3</td><td>55.5</td><td>23.4</td><td>7.5</td></tr><tr><td>L2</td><td>34.2</td><td>55.1</td><td>24.6</td><td>7.7</td></tr><tr><td>L3</td><td>35.6</td><td>55.7</td><td>23.5</td><td>7.9</td></tr><tr><td>L4</td><td>34.9</td><td>53.9</td><td>23.6</td><td>7.6</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 (October 2022-March 2023) 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>October 2022</td><td>6.10</td></tr><tr><td>November 2022</td><td>5.98</td></tr><tr><td>December 2022</td><td>6.11</td></tr><tr><td>January 2023</td><td>5.90</td></tr><tr><td>February 2023</td><td>5.90</td></tr><tr><td>March 2022</td><td>4.30</td></tr></table> <p>Six monthly (October 2022 to March 2023) 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>404.7</td></tr><tr><td>Fly Ash Silo</td><td>472.3</td></tr><tr><td>Unloading Area</td><td>440.9</td></tr><tr><td>Near Cement Mill</td><td>525.8</td></tr></table>	Location	PM2.5	PM10	NOx	SO2	L1	35.3	55.5	23.4	7.5	L2	34.2	55.1	24.6	7.7	L3	35.6	55.7	23.5	7.9	L4	34.9	53.9	23.6	7.6	Location/Month	Cement Mill	October 2022	6.10	November 2022	5.98	December 2022	6.11	January 2023	5.90	February 2023	5.90	March 2022	4.30	Location	SPM	Packing Area	404.7	Fly Ash Silo	472.3	Unloading Area	440.9	Near Cement Mill	525.8
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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																																																	


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 October 2022 to March 2023 Dated:25.05.2023

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. 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 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.	<p>Being Complied.</p> <p>All raw material including fly ash are being transported in the closed containers and no overloading is permitted Vehicles are allowed only with the Pollution under Control Certificate (PUC) to transport the raw material within the Plant site.</p>

(EC No. SEIAA/HR/2013/647 dated 04-09-2013)

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 11250 plants have been planted till date March-23 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 Oct-22 to March-23 <table border="1"> <thead> <tr> <th>S. No.</th> <th>CSR Head</th> <th>Amount in Rs. Lakhs</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S. No.	CSR Head	Amount in Rs. Lakhs			
S. No.	CSR Head	Amount in Rs. Lakhs						

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 October 2022 to March 2023 Dated:25.05.2023

		<table> <tr> <td>1</td><td>Drinking Water</td><td>1.74</td></tr> <tr> <td>2</td><td>Educational Charity</td><td>0</td></tr> <tr> <td>3</td><td>Environment</td><td>0.3</td></tr> <tr> <td>4</td><td>Livelihood Promotion</td><td>2.33</td></tr> <tr> <td>5</td><td>National Functions</td><td>0</td></tr> <tr> <td>6</td><td>Infrastructure Development</td><td>25.01</td></tr> <tr> <td align="center" colspan="2">Total</td><td>29.38</td></tr> </table>	1	Drinking Water	1.74	2	Educational Charity	0	3	Environment	0.3	4	Livelihood Promotion	2.33	5	National Functions	0	6	Infrastructure Development	25.01	Total		29.38
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2	Educational Charity	0																					
3	Environment	0.3																					
4	Livelihood Promotion	2.33																					
5	National Functions	0																					
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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.																					
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	<p>Being complied</p> <p>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.</p> <p>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</p>																					
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)
(EC No. SEIAA/HR/2013/647 dated 04-09-2013)

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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>Oct-2022</td><td>59.9/ 55.3</td><td>60.3/ 51.8</td><td>61.7/ 54.9</td><td>59.7/ 53.7</td></tr><tr><td>Nov-2022</td><td>58.2/ 51.5</td><td>58.3/ 51.8</td><td>59.6/ 49.8</td><td>60.3/ 51.8</td></tr><tr><td>Dec-2022</td><td>58.8/ 51.7</td><td>61.1/ 48.9</td><td>59.9/ 52.5</td><td>59.7/ 51.1</td></tr><tr><td>Jan-2023</td><td>57.3/ 51.0</td><td>61.3/ 51.7</td><td>60.5/ 52.8</td><td>59.2/ 52.6</td></tr><tr><td>Feb-2023</td><td>59.3/ 52.8</td><td>60.3/ 52.4</td><td>57.9/ 49.0</td><td>62.0/ 56.5</td></tr><tr><td>Mar-2023</td><td>59.7/ 51.4</td><td>59.9/ 51.6</td><td>56.2/ 47.5</td><td>62.5/ 54.7</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	Oct-2022	59.9/ 55.3	60.3/ 51.8	61.7/ 54.9	59.7/ 53.7	Nov-2022	58.2/ 51.5	58.3/ 51.8	59.6/ 49.8	60.3/ 51.8	Dec-2022	58.8/ 51.7	61.1/ 48.9	59.9/ 52.5	59.7/ 51.1	Jan-2023	57.3/ 51.0	61.3/ 51.7	60.5/ 52.8	59.2/ 52.6	Feb-2023	59.3/ 52.8	60.3/ 52.4	57.9/ 49.0	62.0/ 56.5	Mar-2023	59.7/ 51.4	59.9/ 51.6	56.2/ 47.5	62.5/ 54.7
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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 290 nos of employees have been examined from Oct- 2022																																			

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

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to March-2023. 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.

5 Nos of rain water harvesting pits along with 6 Nos injection well structure has been constructed for recharging the ground water.

Photographs of Rainwater harvesting structures: -



- (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.

Being Complied

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**.

S. No.	CSR Head	Amount in Rs. Lakhs
1	Drinking Water	1.74
2	Educational Charity	0
3	Environment	0.3
4	Livelihood Promotion	2.33
5	National Functions	0
6	Infrastructure Development	25.01
Total		29.38

- (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


Complied

Status of EMP is given below:

Sr. No.	Unit	Capital Cost (Rs.in Lakhs)	Total Recurring Cost (Lacs)	Rs. from
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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 October 2022 to March 2023 Dated:25.05.2023

	Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.	<table><tr><td></td><td></td><td></td><td>Oct-22 to Mar-23</td></tr><tr><td>1.</td><td>APCM (Bag houses, Bag filters, Road sweeping machines,</td><td>560</td><td>8.31</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>				Oct-22 to Mar-23	1.	APCM (Bag houses, Bag filters, Road sweeping machines,	560	8.31	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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(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, Gol 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, Gol at Chandigarh and HSPCB, Panchkula in hard and soft copy. Last half yearly compliance report was submitted vide letter Dated On 25 th Nov.2022 Ref No. JKJharli/PC-01/949.																								
(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 October 2022 to March 2023 Dated:25.05.2023

(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


Sameer Pujari
Unit Head
J.K. Cement Works
Jhari, Jhajjar(Haryana)-124106

J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR PM_{2.5}
(MONTHLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (Oct-22-March-23)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPLER
Oct-22	31.2	32.5	30.5	29.3
	34.3	33.3	33.4	39.6
	36.3	30.3	35.7	34.6
	33.5	31.1	37.5	31.5
	36.5	32.4	27.2	43.4
	35.6	34.9	28.6	22.7
	41.2	34.5	31.7	33.3
	35.9	34.3	34.4	36.5
Nov-22	40.1	43.8	40.1	36.7
	41.8	39.7	35.2	38.1
	40.1	30.8	34.3	38.4
	31.6	36.5	33.2	34.8
	38.3	36.9	38.4	41.1
	39.7	30.5	44.7	29.2
	38.2	37.6	38.7	30.2
	33.4	30.6	26.8	21.7
Dec-22	38.7	35.8	41.8	30.5
	38.1	32.9	34.5	39.0
	30.3	33.4	36.1	32.9
	39.4	37.2	34.8	38.6
	37.9	31.5	37.7	38.3
	33.7	35.7	42.8	33.4
	36.0	39.9	35.7	36.6
	31.5	33.2	42.0	33.1
Jan-23	35.2	30.9	40.2	36.7
	39.6	37.3	32.1	38.5
	33.6	38.5	40.2	31.8
	30.2	35.1	37.7	39.3
	31.2	33.8	39.1	41.0
	36.6	30.9	35.3	34.8
	33.1	35.7	39.0	36.5
	37.2	30.2	32.9	40.2
Feb-23	32.7	37.8	35.1	39.6
	30.9	38.9	29.2	36.7
	35.1	31.9	39.1	37.7
	30.2	34.6	36.2	36.9
	33.6	30.2	35.9	39.7

Mar-23	32.6	37.4	39.0	29.9
	37.7	34.8	31.3	39.8
	30.1	37.6	35.1	33.0
	39.5	29.7	31.6	36.4
	32.6	29.1	38.5	30.2
	33.2	29.8	37.6	35.1
	39.5	31.8	40.0	32.9
	31.6	34.7	29.2	26.6
	35.2	34.4	33.5	30.6
Average	38.1	33.5	29.5	36.3
	31.7	34.6	37.5	32.8
	35.3	34.2	35.6	34.9

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
Oct-22	53.2	50.8	52.3	48.2
	54.2	51.2	51.8	48.3
	57.6	54.9	52.2	62.2
	58.5	54.2	54.3	56.3
	51.8	54.2	52.5	51.6
	53.4	54.6	50.2	41.1
	58.9	53.5	62.5	55.49
	53.6	50.8	51.5	54.7
Nov-22	60.7	57.1	61.7	56.7
	59.2	56.2	50.3	52.5
	61.7	56.6	58.2	51.8
	54.5	61.5	59.7	59.4
	53.1	52.1	49.2	48.5
	58.1	56.7	61.0	46.5
	59.7	53.5	61.2	59.1
	51.7	52.2	59.0	56.9
Dec-22	57.4	53.2	59.7	50.5
	55.1	55.4	54.8	58.8
	59.1	59.2	59.7	55.7
	58.7	59.8	56.2	56.1
	58.8	58.1	55.2	55.8
	59.9	57.5	59.8	58.7
	55.2	59.0	58.1	57.1
	59.7	58.7	59.2	59.6
Jan-23	49.7	59.2	52.1	56.9
	53.8	57.3	55.9	50.7

	56.3	49.8	54.8	59.4
	53.3	57.9	51.9	52.3
	54.7	58.3	56.3	59.8
	53.2	51.4	49.5	52.8
	52.3	50.2	54.7	51.1
	56.4	59.7	57.3	55.2
Feb-23	47.2	51.3	59.1	53.1
	56.2	59.7	50.9	52.4
	59.4	51.3	47.9	53.2
	49.8	57.1	55.8	58.3
	52.9	55.1	57.3	53.1
	50.1	58.6	59.3	49.4
	54.1	58.2	49.8	56.2
	59.8	52.8	55.1	50.3
Mar-23	58.2	47.3	56.2	57.1
	59.0	56.2	61.2	53.1
	56.5	50.7	54.4	58.4
	62.0	52.7	66.7	54.4
	50.4	57.1	53.5	47.8
	55.4	51.0	57.8	48.6
	52.4	59.8	47.2	54.7
	48.8	50.1	57.3	50.3
Average	55.5	55.1	55.7	53.9

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
Oct-22	24.4	29.2	23.6	23.6
	23.4	20.2	23.5	26.5
	23.6	18.4	26.4	25.8
	22.3	23.5	23.5	26.7
	26.3	25.4	23.6	22.8
	27.5	25.3	20.7	26.5
	23.3	24.5	26.2	23.6
	24.5	23.6	23.5	22.7
Nov-22	27.1	27.7	28.2	25.4
	26.2	26.2	28.5	27.2
	24.4	20.1	28.6	27.1
	24.3	27.7	21.9	29.4
	27.7	24.7	29.4	24.6
	25.4	18.7	22.5	20.9
	21.7	26.6	23.4	25.7

Dec-22	26.1	19.9	26.8	21.7
	25.9	28.6	22.8	26.7
	26.8	21.9	24.1	24.1
	22.7	27.7	21.4	24.8
	27.2	25.1	26.9	25.8
	26.4	21.2	26.9	25.1
	27.4	20.4	23.6	18.9
	20.6	29.8	25.4	23.2
Jan-23	24.2	22.6	25.2	24.5
	21.5	29.0	25.7	28.6
	24.1	22.8	20.9	18.9
	24.2	22.4	25.0	19.9
	28.0	20.7	27.6	29.0
	22.6	29.0	20.9	28.7
	24.4	23.7	26.0	25.4
	23.0	27.1	20.9	26.5
Feb-23	22.6	24.5	29.5	21.9
	19.8	25.2	27.1	23.4
	18.2	28.1	24.8	21.7
	22.6	25.7	20.1	18.5
	23.4	26.7	19.3	27.0
	21.4	26.7	19.6	24.7
	17.9	28.5	20.4	18.1
	20.9	23.9	22.1	18.4
Mar-23	25.5	27.9	19.8	24.6
	17.3	23.7	25.7	20.5
	18.6	21.9	22.6	19.6
	20.5	23.4	18.7	22.0
	19.6	24.8	17.0	21.1
	20.0	24.9	17.6	22.1
	19.8	26.1	24.1	16.5
	22.1	20.1	16.9	19.6
Average	27.0	24.1	18.0	23.6
	23.4	24.6	23.5	23.6

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
Oct-22	7.4	7.3	8.2	7.3
	6.3	7.6	7.2	7.1
	7.2	7.8	7.8	7.9
	7.9	7.6	8.5	8.1

	7.9	8.9	8.3	9.2
	8.1	8.2	9.2	8.5
	9.2	8.2	8.2	9.2
	9.4	9.2	8.3	8.8
Nov-22	7.1	7.7	8.7	6.9
	6.9	8.1	7.6	7.8
	7.7	6.5	7.2	7.7
	8.1	8.1	7.7	8.8
	8.1	8.4	8.8	7.7
	7.1	7.5	10.1	7.7
	10.5	9.1	8.1	9.4
	8.9	8.6	9.6	7.6
Dec-22	6.5	5.6	6.1	6.1
	7.9	7.4	8.7	8.4
	6.9	7.0	6.7	7.2
	8.1	7.8	7.2	7.3
	7.6	7.5	7.8	7.0
	7.8	8.4	9.2	7.4
	9.4	9.5	9.1	8.8
	7.9	7.7	8.4	7.4
Jan-23	7.1	5.9	5.2	7.8
	6.6	8.2	7.5	8.0
	7.2	6.9	6.1	6.5
	8.9	7.0	8.3	8.1
	7.1	6.5	7.6	6.0
	6.8	8.1	8.7	7.9
	7.6	8.6	8.8	6.9
	7.0	6.5	9.1	8.0
Feb-23	6.6	7.4	5.2	6.1
	7.9	8.1	5.9	8.6
	6.5	8.0	7.2	8.6
	6.9	7.8	6.1	7.4
	7.9	8.0	7.2	6.8
	6.0	7.6	8.5	8.8
	7.1	6.7	8.2	6.9
	7.9	8.7	7.6	5.9
Mar-23	7.3	8.1	6.3	5.9
	7.1	6.9	8.6	7.9
	6.0	7.8	9.0	7.1
	8.2	6.4	8.7	6.9
	6.6	8.8	8.1	7.2
	6.2	8.3	5.9	7.8
	6.5	8.6	8.9	7.3
	9.1	6.1	8.1	6.9
Average	7.5	7.7	7.9	7.6

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	35.3	55.5	23.4	7.5
2	NEAR GATE NO 2	34.2	55.1	24.6	7.7
3	Railway Line Side	35.6	55.7	23.5	7.9
4	Near Wagon Tripler	34.9	53.9	23.6	7.6



Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/01	Report No.:	VEL/A/2210090001
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	03/10/2022 to 04/10/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 26.0°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	31.24	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	24.41	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.39	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



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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/02	Report No.:	VEL/A/2210090002
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Clear Sky
Date of Monitoring	: 03/10/2022 to 04/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 26.0°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	32.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	29.22	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.32	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/03	Report No.:	VEL/A/2210090003
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Clouds
Date of Monitoring	: 04/10/2022 to 05/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 27.0°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})	IS:5182(P-24), Gravimetric Method	30.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.25	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	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



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/04	Report No.:	VEL/A/2210090004
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Clouds
Date of Monitoring	: 04/10/2022 to 05/10/2022
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	: 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	29.28	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.23	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	7.26	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/05	Report No.:	VEL/A/2210090005
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Rain
Date of Monitoring	: 06/10/2022 to 07/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 25.0°C Max. 29.0°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	34.31	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	23.39	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	6.29	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/06	Report No.:	VEL/A/2210090006
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Rain
Date of Monitoring	: 06/10/2022 to 07/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 25.0°C Max. 29.0°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	33.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.24	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.62	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/07	Report No.:	VEL/A/2210090007
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Rain
Date of Monitoring	: 07/10/2022 to 08/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 29.0°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	33.38	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.15	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	Report No.:	VEL/A/2210090008
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:	14/10/2022
		Period of Analysis:	10/10/2022 to 14/10/2022
		Receipt Date:	10/10/2022

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	: Intermittent Rain
Date of Monitoring	: 07/10/2022 to 08/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°C Max. 29.0°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	39.63	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.25	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.12	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 (Hr)
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/2210160009
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 21/10/2022
Period of Analysis: 17/10/2022 to 21/10/2022
Receipt Date: 17/10/2022

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 : 10/10/2022 to 11/10/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°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})	IS:5182(P-24), Gravimetric Method	36.29	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	57.58	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.64	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.18	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

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/2210160010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 21/10/2022
Period of Analysis: 17/10/2022 to 21/10/2022
Receipt Date: 17/10/2022

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. Kapil Agrawal (Unit Head)
: VardanEnviroLab Representative
: Near Gate No -2
: RDS & FPS sampler with all Accessories
: VEL/RDS/02 & VEL/FPS/02
: Calibrated
: Intermittent Rain
: 10/10/2022 to 11/10/2022
: 24.0 hours
: Min. 22.0°C Max. 31.0°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})	IS:5182(P-24), Gravimetric Method	30.28	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.85	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.42	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.76	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/11	Report No.:	VEL/A/2210160011
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:	21/10/2022
		Period of Analysis:	17/10/2022 to 21/10/2022
		Receipt Date:	17/10/2022

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	: Intermittent Clouds
Date of Monitoring	: 11/10/2022 to 12/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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	35.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.22	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.78	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/12	Report No.:	VEL/A/2210160012
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:	21/10/2022
		Period of Analysis:	17/10/2022 to 21/10/2022
		Receipt Date:	17/10/2022

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 Clouds
Date of Monitoring	: 11/10/2022 to 12/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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	34.64	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	62.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.83	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.88	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 (Hr)
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/2210160013
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 21/10/2022
Period of Analysis: 17/10/2022 to 21/10/2022
Receipt Date: 17/10/2022

Sample Description: AMBIENT AIRQUALITY 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. Kapil Agrawal (Unit Head)
: VardanEnviroLab Representative
: Near Gate No -1
: RDS & FPS sampler with all Accessories
: VEL/RDS/01 & VEL/FPS/01
: Calibrated
: Clear Sky
: 13/10/2022 to 14/10/2022
: 24.0 hours
: Min. 24.0°C Max. 36.0°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})	IS:5182(P-24), Gravimetric Method	33.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.45	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.87	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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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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/2210160014
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 21/10/2022
Period of Analysis: 17/10/2022 to 21/10/2022
Receipt Date: 17/10/2022

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	: 13/10/2022 to 14/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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	31.11	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.48	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.

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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/2210160015
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 21/10/2022
Period of Analysis: 17/10/2022 to 21/10/2022
Receipt Date: 17/10/2022

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 : 14/10/2022 to 15/10/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°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})	IS:5182(P-24), Gravimetric Method	37.34	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.34	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.53	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.45	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/16	Report No.:	VEL/A/2210160016
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:	21/10/2022
		Period of Analysis:	17/10/2022 to 21/10/2022
		Receipt Date:	17/10/2022

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	: 14/10/2022 to 15/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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})	IS:5182(P-24), Gravimetric Method	31.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.25	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.05	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A/17	Report No.:	VEL/A/2210230017
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 17/10/2022 to 18/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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	36.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.77	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.26	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.87	µg/m ³	80

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

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/18	Report No.:	VEL/A/2210230018
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 17/10/2022 to 18/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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	32.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	25.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.87	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	Report No.:	VEL/A/2210230019
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 18/10/2022 to 19/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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})	IS:5182(P-24), Gravimetric Method	27.22	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	52.54	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.64	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.33	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/20	Report No.:	VEL/A/2210230020
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 18/10/2022 to 19/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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})	IS:5182(P-24), Gravimetric Method	43.35	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	51.56	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.24	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/21	Report No.:	VEL/A/2210230021
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 P-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Clear Sky
Date of Monitoring	: 20/10/2022 to 21/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.0°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	35.64	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.43	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	27.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.11	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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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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/2210230022
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 28/10/2022
Period of Analysis: 24/10/2022 to 28/10/2022
Receipt Date: 24/10/2022

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 : 20/10/2022 to 21/10/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 24.0°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})	IS:5182(P-24), Gravimetric Method	34.88	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	25.34	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.

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Test Report

Sample Number:	VEL/JKCW/A/23	Report No.:	VEL/A/2210230023
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Clear Sky
Date of Monitoring	: 21/10/2022 to 22/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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})	IS:5182(P-24), Gravimetric Method	28.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	20.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.18	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 (Hr)
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/2210230024
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 28/10/2022
Period of Analysis: 24/10/2022 to 28/10/2022
Receipt Date: 24/10/2022

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. Kapil Agrawal (Unit Head)
- : VardanEnviroLab Representative
- : Near Wagon Tippler
- : RDS & FPS sampler with all Accessories
- : VEL/RDS/04 & VEL/FPS/04
- : Calibrated
- : Clear Sky
- : 21/10/2022 to 22/10/2022
- : 24.0 hours
- : Min. 23.0°C Max. 35.0°C
- : Human, Vehicular and Cement plant activities
- : Regulatory Requirement
- : Yes
- : 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})	IS:5182(P-24), Gravimetric Method	22.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	41.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.46	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.47	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/25
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2210300025
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/11/2022
Period of Analysis: 31/10/2022 to 04/11/2022
Receipt Date: 31/10/2022

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 : 24/10/2022 to 25/10/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 22.0°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})	IS:5182(P-24), Gravimetric Method	41.24	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.88	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.32	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.18	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 (Hr)
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/2210300026
 Format No.: 7.8 F-03
 Party Reference No.: 4600082079
 Dated- 16.05.2022

Reporting Date: 04/11/2022
 Period of Analysis: 31/10/2022 to 04/11/2022
 Receipt Date: 31/10/2022

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 : 24/10/2022 to 25/10/2022
 Time of Monitoring : 24.0 hours
 Ambient Temperature (°C) : Min. 22.0°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})	IS:5182(P-24), Gravimetric Method	34.54	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	24.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.18	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/27
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2210300027
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 04/11/2022
Period of Analysis: 31/10/2022 to 04/11/2022
Receipt Date: 31/10/2022

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 : 25/10/2022 to 26/10/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 23.0°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}, 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	31.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	62.52	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.22	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.18	µg/m ³	80

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Test Report

Sample Number:	VEL/JKCW/A/28	Report No.:	VEL/A/2210300028
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:	04/11/2022
		Period of Analysis:	31/10/2022 to 04/11/2022
		Receipt Date:	31/10/2022

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	: 25/10/2022 to 26/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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	33.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.49	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	9.22	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/29	Report No.:	VEL/A/2210300029
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:	04/11/2022
		Period of Analysis:	31/10/2022 to 04/11/2022
		Receipt Date:	31/10/2022

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	: 27/10/2022 to 28/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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	35.88	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.55	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.45	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.36	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/30	Report No.:	VEL/A/2210300030
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:	04/11/2022
		Period of Analysis:	31/10/2022 to 04/11/2022
		Receipt Date:	31/10/2022

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	: 27/10/2022 to 28/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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	34.32	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	50.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.64	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	9.21	µg/m ³	80

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

⁶SOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
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- The report no. with Suffix A-Amended Report
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

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/2210300031
 Format No.: 7.8 F-03
 Party Reference No.: 4600082079
 Dated- 16.05.2022

Reporting Date: 04/11/2022
 Period of Analysis: 31/10/2022 to 04/11/2022
 Receipt Date: 31/10/2022

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 : 28/10/2022 to 29/10/2022
 Time of Monitoring : 24.0 hours
 Ambient Temperature (°C) : Min. 23.0°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})	IS:5182(P-24), Gravimetric Method	34.44	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	23.54	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.32	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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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
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- The report is, with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/A/32	Report No.:	VEL/A/2210300032
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:	04/11/2022
		Period of Analysis:	31/10/2022 to 04/11/2022
		Receipt Date:	31/10/2022

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	: 28/10/2022 to 29/10/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 23.0°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})	IS:5182(P-24), Gravimetric Method	36.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	54.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.69	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.

^oSOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with Suffix A-Unrevised Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VELJCKW/A01	Report No.:	VEL/A/2211070001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road, Jharkhri - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	11/11/2022
		Period of Analysis:	07/11/2022 to 11/11/2022
		Receipt Date:	07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Gate No -1
Instrument Used	ROS & 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	01/11/2022 to 02/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 23.0°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)	40.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	60.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.12	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.08	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



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid only for the purpose of the test.
- This test report will not be used for publicity or advertising or other purpose without prior written permission of the laboratory.
- Given opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCWA/02	Report No.:	VEL/A/2111070002
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road, Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 K-03
		Party Reference No.:	4600082079
		Dated:	16.09.2022
		Reporting Date:	11/11/2022
		Period of Analysis:	07/11/2022 to 11/11/2022
		Receipt Date:	07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	01/11/2022 to 02/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 23.0°C Max. 36.0°C
Surrounding Activity	Thermal, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & C-PCB Guideline
Parameter Required	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* 1/mh
1.	Particulate Matter (PM _{2.5})	IS-5182(P-24)	43.76	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182(P-23)	57.12	µg/m ³	150
3.	Nitrogen Dioxide (NO ₂)	IS-5182(T-6)	27.73	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS-5182(T-2)	7.65	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec -2(6)] 18.11.2009.

"SOP Laboratory Standard Operating Procedure"



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- The test report is, in all respects, shall not be reproduced in any form without prior written approval of the laboratory.
- To ensure the accuracy of the test results, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid for 30 days from the date of issue.
- This test report shall not be used for publicity or advertising or media purpose without prior written permission from the laboratory.
- During emergency, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/IKC/W/4813
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road, Jharli - 124106
Dist - Jhajjar (HARYANA)

Report No.: VEL/A/2311070003
Format No.: 7.8 F-03
Party Reference No.: 4610042079
Dated- 16.05.2022
Reporting Date: 11/11/2022
Period of Analysis: 07/11/2022 to 11/11/2022
Receipt Date: 07/11/2022

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. Kapil Agrawal (Unit Head)
Vardan EnviroLab Representative (Mukesh Chandra)
Railway Line Side
RDS & FPS sampler with all Accessories
VEL/RDS/03 & VEL/FPS/03
Calibrated
Clear Sky
02/11/2022 to 03/11/2022
24.0 hours
Min. 24.0°C Max. 35.0°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})	IS 5182 (P-24)	40.09	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	61.72	µg/m ³	160
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	28.18	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	8.59	µg/m ³	80

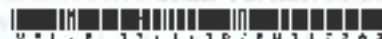
*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec -3(i)] SR 11.2009.

*SOP Laboratory Standard Operating Procedure



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- This report is valid only for the specific period.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- On receipt of sample from the client, the laboratory will not be responsible for the loss or damage to the sample caused by the client or the laboratory.





Vardan EnviroLab

Laboratory: Plot No. B2A, Sector 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AM	Report No.:	VEL/A/2211070004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhurli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4000082079
		Dated:	16.05.2022
		Reporting Date:	11/11/2022
		Period of Analysis:	07/11/2022 to 11/11/2022
		Receipt Date:	07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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
Metereological condition during monitoring	: Intermittent Clouds
Date of Monitoring	: 02/11/2022 to 03/11/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 24.47°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)	36.72	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.74	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 343B], [Part-II-sec.3(1)] 18.11.2009

*SOP Laboratory Standard Operating Procedure



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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/221107MINIS
Form No.: 7.8 F-03
Party Reference No.: 4611082079
Dated- 16.05.2022
Reporting Date: 11/11/2022
Period of Analysis: 07/11/2022 to 11/11/2022
Receipt Date: 07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Metereological 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

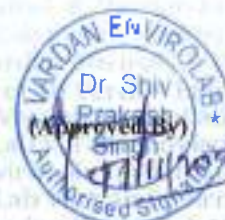
Mr. Kapil Agrawal (Unit Head)
Vardan EnviroLab Representative (Mukesh Chandra)
Near Gate No -1
RDS & FPS sampler with all Accessories
VEL/RDS-01 & VEL/FPS-01
Calibrated
Clear Sky
04/11/2022 to 05/11/2022
24.0 hours
Min. 24.0°C Max. 34.0°C
Human, Vehicular and Cement plant activities
Regulatory Requirement
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})	IS 5182 (P-24)	41.74	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.19	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.24	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.86	µg/m ³	80

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

*SOP Laboratory Standard Operating Procedure



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- To confirm the validity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for a specific period.
- The report is not to be used for publicity or advertising or trade purpose without prior written permission from the laboratory.
- This test report will not be used for publicity or advertising or trade purpose without prior written permission from the laboratory.
- Giving someone does not imply misrepresentation of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use of this report of the test report.





Vardan EnviroLab

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

Test Report

Sample Number: VEL/JKCWA/06
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jhark - 124106
Dist - Jhajjar (HARYANA)

Report No.: VEL/A/22/107006
Format No.: 7.8 F-03
Party Reference No.: 4600HM2079
Dated- 16.05.2022
Reporting Date: 11/11/2022
Period of Analysis: 07/11/2022 to 11/11/2022
Receipt Date: 07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	04/11/2022 to 05/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 24.0°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)	39.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	56.15	µg/m ³	160
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	26.24	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	5.12	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (33)], Part-II-sec.-3(i) [9.11.2009].

*SOP Laboratory Standard Operating Procedure



Terms & Conditions

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- The test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of the certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid only for the purpose of analysis.
- The test report will not be used for publicity or advertising or trade purposes without prior written permission of the laboratory.
- During operation from working environment of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use of the test report.



Test Report

Sample Number: VELJKCW/A/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road (Jharli) - 124186
Dkt - Jhajjar (HARYANA)

Report No.: VEL/A/2211070007
Format No.: 7.8 F-03
Party Reference No.: 4611082079
Dated- 16.05.2022

Reporting Date: 11/11/2022
Period of Analysis: 07/11/2022 to 11/11/2022
Receipt Date: 07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandrai)
Sampling Location: Railway Line Side
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VEL/RDS/03 & VEL/FPS/02
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Intermittent Rain
Date of Monitoring: 05/11/2022 to 06/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min 24.0°C Max. 34.6°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: PM₁₀, PM_{2.5}, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS:5182 (P-24)	35.18	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23)	50.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.49	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.55	µg/m ³	80

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

*SOP Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email: info@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- This report is valid only for the purpose of the test.
- This test report will not be used for liability or settlement of trade disputes without prior written permission of the laboratory.
- Giving opinion on the responsibility of the test sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/JKCWA/08
Name & Address of the Party: M/s JK Cement Works
Mohlan Bari Road Jhark - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2211070008
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022

Reporting Date: 11/11/2022
Period of Analysis: 07/11/2022 to 11/11/2022
Receipt Date: 07/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandra)
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: 05/11/2022 to 06/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min 24.0°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}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS: 5182 (P-24)	38.08	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.46	µg/m ³	140
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.21	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.76	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], Part-II-sec.-3(i) IS.11.2009.

*SOP Laboratory Standard Operating Procedure



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- This test report is full and a part, shall not be reproduced in any form without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid only for the stated period.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab assumes any liability caused by the use or misuse of the test report.



Test Report

Sample Number:	VEL/JKCWA/09	Report No.:	VEL/A/2211140009
Name & Address of the Party:	M/s JK Cement Works Mohan Bati Road Jhadi - 124106 Dist - Jhajjar (HARYANA)	Form No.:	7.8 F-03
		Party Reference No.:	4601082479
		Dated:	16.05.2022
		Reporting Date:	14/11/2022
		Period of Analysis:	14/11/2022 to 18/11/2022
		Receipt Date:	14/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	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	08/11/2022 to 09/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 23.0°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 _x , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS: 5182 (P-24), Gravimetric Method	40.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	61.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Jochheiser	24.40	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gieseke	7.67	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



Terms & Conditions

- The results reported relate only to the sample tested. In case sample is not drawn the lab is not liable for the sample as received.
- This test report is valid as in past, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the timeliness of post-sampled test report. The test samples will be retained only for specific period.
- This report is with Sample Analysis Report.
- This test report will not be used for publicity or advertising or media purposes without prior written permission on the laboratory.
- During operation state will highly deteriorated if the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

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

Report No.: VELJA/2211140H10
Format No.: 7.8 F-03
Party Reference No.: 46DH082079
Dated- 16.05.2022
Reporting Date: 18/11/2022
Period of Analysis: 14/11/2022 to 18/11/2022
Receipt Date: 14/11/2022

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

Mt. Kapil Agrawal (Unit Head)
Vardan EnviroLab Representative (Mukesh Chandra)
Near Gate No -2
RDS & FPS sampler with all Accessories
VEL/RDS02 & VEL/FPS02
Calibrated
Clear Sky
08/11/2022 to 09/11/2022
24.9 hours
Min. 23.0°C Max. 34.0°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})	IS-5182(P-24), Gravimetric Method	30.77	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182 (P-23), Gravimetric Method	56.63	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182 (P-6), Jacob & Loehleiser	20.12	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS-5182 (P-2), Modified West and Gaeke	6.49	µg/m ³	80

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

*SOP- Laboratory Standard Operating Procedure



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- This test report, in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of the certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the suitability of photocopies of test report. The test samples will be retained only for specific period.
- The report no. with 3rd & 4th Annexure Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission from the laboratory.
- Giving optional cost rating/assessment of the tested sample to the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number: VELJKCWA/11
Name & Address of the Party: Mix JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2211140011
Format No.: 7.3 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 18/11/2022
Period of Analysis: 14/11/2022 to 18/11/2022
Receipt Date: 14/11/2022

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. Kapil Agrawal (Unit Head)
Vardan EnviroLab Representative (Mukesh Chandra)
Railway Line Side
RDS & FPS sampler with all Accessories
VEL-RDS-03 & VEL-FPS-03
Calibrated
Clear Sky
09/11/2022 to 10/11/2022
24 x 6 hours
Min. 23.0°C Max. 35.0°C
Human, Vehicular and Rail activities
Regulatory Requirement
Water Sprinkling
IS-5182 & CPCB Guidelines
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	34.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	58.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Elmhaiser	28.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	1.20	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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- The report is valid only for the samples tested.
- This report will not be used for publicity or advertising or media purposes without prior written permission of the laboratory.
- Client's opinion does not imply endorsement of the tested sample by the lab. Under no circumstance, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/KCWA/12	Report No.:	VEL/A/22/11/40112
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharkhand - 124106 Distt - Jharkhand (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	464H082079
		Dated:	16.05.2022
		Reporting Date:	18/11/2022
		Period of Analysis:	14/11/2022 to 18/11/2022
		Receipt Date:	14/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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
Metereological condition during monitoring	Clear Sky
Date of Monitoring	09/11/2022 to 10/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 23.0°C Max. 33.4°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 ₁₀ , PM _{2.5} ; NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS: 5182 (P-24), Gravimetric Method	38.36	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	51.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochreiser	27.11	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.68	µg/m ³	80

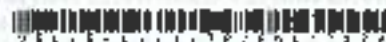
*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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- Delivery updates does not apply and retention of the tested sample by the lab. Under no circumstances the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2211140013
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 18/11/2022
Period of Analysis: 14/11/2022 to 18/11/2022
Receipt Date: 14/11/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Cair Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandrai)
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: 11/11/2022 to 12/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 22.0°C Max. 22.0°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: PM₁₀, PM_{2.5}, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS:5182(P-24), Gravimetric Method	31.63	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	34.46	µg/m ³	110
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.26	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (7-2), Mochfield West and Gacke	8.26	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VI, (Rule 3 (3B)), (Part-II-sec -3(ii)) 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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- The report, with Selfish-Affirmed Report
- The test report will not be used for publicity or advertising or third party without prior written permission of the laboratory.
- Ownership of the test sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

Sample Number:	VELJKCWA/14	Report No.:	VEL/A/2211140014
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	5.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	18/11/2022
		Period of Analysis:	14/11/2022 to 18/11/2022
		Receipt Date:	14/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Metereological 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. Kapil Agrawal (Unit Head)
- Vardan EnviroLab Representative (Mukesh Chandra)
- Near Gate No -2
- RDS & FPS sampler with all Accessories
- VEL/RDS-02 & VEL/FPS-02
- Calibrated
- Clear Sky
- 11/11/2022 to 12/11/2022
- 24.0 hours
- Min. 22.0°C Max. 22.0°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})	IS: 5182 (P-24), Gravimetric Method	36.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	61.46	µg/m ³	180
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	27.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-21), 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.

*SOP- Laboratory Standard Operating Procedure



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- This test report is valid as is, shall not be reproduced in any court of law without prior written approval of the laboratory.
- If a client is not satisfied with the results, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopy test report. The same fee will be retained only for specific period.
- The report is valid for 30 days from the date of issue.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinion about the quality of the tested sample by the lab. Under no circumstances, the lab assumes any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/22/1140015
Format No.: 7.8 P-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 18/11/2022
Period of Analysis: 14/11/2022 to 18/11/2022
Receipt Date: 14/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
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: 12/11/2022 to 13/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 20.0°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}, 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	33.19	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	59.66	µg/m ³	150
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hoelcher	21.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.72	µg/m ³	80

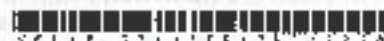
*NAAQS - National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], Part-II, sec. 3(i) LE 11.2009,

*SOP - Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at info@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopies of test report. The test samples will be retained only for specific period.
- The report no. with 3rd A-Annexed Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Using options does not imply endorsement of the test or sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VEL/JKCWA/16	Report No.:	VEL/A/2211140016
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	46H082079
		Dated-	16.05.2022
		Reporting Date:	18/11/2022
		Period of Analysis:	14/11/2022 to 18/11/2022
		Receipt Date:	14/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	12/11/2022 to 13/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min 20.0°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 ₁₀ , PM _{2.5} , 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	34.78	µg/m ³	66
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), Induct & Hechhiser	29.43	µg/m ³	86
4.	Sulphur Dioxide (SO ₂)	IS-5182 (P-2), Modified West and Clarke	8.75	µg/m ³	86

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (VIB)], [Part-II sec. 3(i)], LB.LI.2009.

*SOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of the certificate of analysis, please contact us through email at lab@vardan.co.in.
- Laboratory is not responsible for the authenticity of photocopied test report. The real sample will be tested only for specific period.
- The report is valid for 30 days from the date of issue.
- This report shall not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving options does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability created by the use or misuse of the test report.





Test Report

Sample Number:	VEL/JKCW/A/17	Report No.:	VEL/A/2211210017
Name & Address of the Party:	M/s JK Cement Works Mohan Bori Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4610082079
		Dated-	16.05.2022
		Reporting Date:	25/11/2022
		Period of Analysis:	21/11/2022 to 25/11/2022
		Receipt Date:	21/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	15/11/2022 to 16/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 22.0°C Max. 32.0°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 ₁₀ , PM _{2.5} , 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	38.27	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182 (P-23), Gravimetric Method	53.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182 (P-6), Jacob & Hoelheiser	27.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS-5182 (P-2), Modified West and Gaeke	8.11	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-III-sec.-3(i)] (8.11.2009).

*SOP- Laboratory Standard Operating Procedure



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- The test report in full or in part, shall not be reproduced in any part of any without prior written approval of the laboratory.
- To confirm the authenticity of the conditions of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specified period.
- The report no. will suffice as Analytical Report.
- This test report will not be used for publicity or advertising or media purposes without prior written permission of the laboratory.
- Quoting agencies does not imply endorsement of the tested sample by the lab. Unlike the circumstances, the lab accepts no liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Numbers: 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/2211210018
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 25/11/2022
Period of Analysis: 21/11/2022 to 25/11/2022
Receipt Date: 21/11/2022

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Mukesh Chandra)
Near Gate No -2
RDS & FPS sampler with all Accessories
VEL/RDS02 & VEL/FPS02
Calibrated
Intermittent Rain
15/11/2022 to 16/11/2022
24.0 hours
Min. 22.0°C Max. 32.0°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})	IS-5182(P-24), Gravimetric Method	16.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182 (P-23), Gravimetric Method	52.06	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182 (P-6), Jacob & Hochheiser	24.66	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)) LX 11.2009.

*SOP- Laboratory Standard Operating Procedure.



Terms & Conditions

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- This test report is full and final. It shall not be reproduced in any form without prior written approval of the laboratory.
- To confirm the genuineness of this certificate of sample, please contact us through email at lab@vardan.co.in
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- The report is valid for 30 days from the date of issue.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VEL/JKCWA/19	Report No.:	VEL/A/2211210019
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124116 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	46H082079
		Dated:	16.05.2022
		Reporting Date:	25/11/2022
		Period of Analysis:	21/11/2022 to 25/11/2022
		Receipt Date:	21/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS-01 & VEL/FPS-03
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/11/2022 to 17/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 18.0°C Max. 29.0°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	38.44	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182(P-23), Gravimetric Method	49.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182(P-6), Jaxa & Hochheiser	29.40	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS-5182(P-2), Modified West and Gaeke	8.80	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards, Schedule-VII, [Rule 3(37)], [Part-II-sec-3(n)] IS. I., 2009.

*SOP - Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at info@vardan.co.in or 0124-4343750.
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid only for the purpose of the test.
- This test report shall not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Client's signature does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the due or misuse of the test report.





Test Report

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

Report No.: VEL/A/2211210020
Format No.: 7.8 P-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 25/11/2022
Period of Analysis: 21/11/2022 to 25/11/2022
Receipt Date: 21/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	16/11/2022 to 17/11/2022
Time of Monitoring	24/7 hours
Ambient Temperature (°C)	Min. 18.4°C Max. 29.0°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	41.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	48.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	24.57	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 (2)(b)), (Part-II-sec.-3(c)) 18.11.2009.

†SOP- Laboratory Standard Operating Procedure



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- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report may vary with Automated Report.
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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCWA/21	Report No.:	VEL/A/2211210021
Name & Address of the Party:	Mrs JK Cement Works Mohan Bari Road, Jherli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 P-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	25/11/2022
		Period of Analysis:	21/11/2022 to 25/11/2022
		Receipt Date:	21/11/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mickesh Chandra)
Sampling Location	Near Gate No -1
Instrument Used	RDS & FPS sampler with al. Accessories
Instrument Code	VEL/RDS/01 & VEL/FPS/01
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	18/11/2022 to 19/11/2022
Time of Monitoring	24 hours
Ambient Temperature (°C)	Min. 17.0°C Max. 30.0°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 _x , SO _x

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS 5182(P-24), Gravimetric Method	79.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	53.88	µg/m ³	160
3.	Nitrogen Dioxide (NO _x)	IS: 5182 (P-6), Jacob & Hochheiser	25.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2), Modified West and Gaeke	7.09	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 7 (3B)], [Part-II-sec.-3(ii)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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- The report is valid as per the Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on this authority.
- Giving solutions does not imply endorsement of the tested sample by the lab. Under no circumstances the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VELJKCWA/22	Report No.:	VEL/A/2211210021
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	25/11/2022
		Period of Analysis:	21/11/2022 to 25/11/2022
		Receipt Date:	21/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

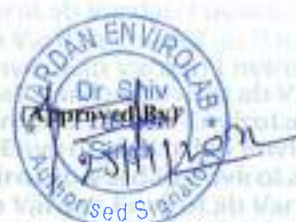
Client Representative	Mr. Kajal Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Gate No -2
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS-02 & VEL/FPS-02
Instrument Calibration Status	Calibrated
Metereological condition during monitoring	Clear Sky
Date of Monitoring	18/11/2022 to 19/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 17.0°C Max. 30.0°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 & CFCB 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 ₁₀)	IS 5182(P-24), Gravimetric Method	36.49	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	56.68	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	18.69	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.



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- This test report is valid as it is, shall not be reproduced in any form without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid only for the intended purpose.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinion does not imply endorsement of the tested sample or the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Test Report

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

Report No.: VEL/A/2211210023
Formal No.: 7.B P-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 25/11/2022
Period of Analysis: 21/11/2022 to 25/11/2022
Receipt Date: 21/11/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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
Metereological condition during monitoring	Clear Sky
Date of Monitoring	19/11/2022 to 20/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 18.0°C Max. 30.0°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	44.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	61.00	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	22.49	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-21), Modified West and Gaeke	10.10	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



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not secure the results apply to the sample as received.
- This test report is full in itself, shall not be reproduced in any form or by any means without prior written approval of the laboratory.
- To confirm the authenticity of the certificate of analysis, please contact us through email at info@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- This report is valid for internal use only.
- This test report will not be used for publicity or advertising or third party purpose without prior written permission of the laboratory.
- Going offline does not imply endorsement of the test sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

Sample Number: VEL/JKCWA/24 Report No.: VEL/A/22112H024
Name & Address of the Party: M/s JK Cement Works
Format No.: 7.8 F-03
Median Bari Road Jharkh - 124106
Party Reference No.: 4600082079
Dist - Jhajjar (HARYANA) Osted- 16.05.2022
Reporting Date: 25/11/2022
Period of Analysis: 21/11/2022 to 25/11/2022
Receipt Date: 21/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location: Near Wagon Tippler
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VEL/RDS/14 & VEL/FPS/04
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Clear Sky
Date of Monitoring: 19/11/2022 to 20/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 18.0°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: PM₁₀, PM_{2.5}, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS:5182(P-24), Gravimetric Method	29.19	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	46.68	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	7.68	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards, Schedule-VIII, [Rule 3 (3B)], [Part-41-sec.-3(ii)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at info@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report is valid for 6 months.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Test Report

Sample Number:	VELJKCWA/25	Report No.:	VEL/A/221 (280025)
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.:	4600MH2079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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
Metereological condition during monitoring	Clear Sky
Date of Monitoring	22/11/2022 to 23/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 17.0°C Max. 29.0°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	38.16	µg/m ³	90
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	55.69	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	16.59	µg/m ³	<8

*NAAQS- National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-600-3(n)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure



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- The results reported relate only to the samples tested. In case samples are drawn the results apply to the sample as received.
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- The report is, with Suffix A-Amended Report.
- This test report shall not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Client's opinion does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Test Report

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

Report No.: VEL/A/22112MH026
Format No.: 7.8 F-03
Party Reference No.: 460MH2079
Dated- 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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
Metereological condition during monitoring	Clear Sky
Date of Monitoring	22/11/2022 to 23/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 17.0°C Max. 29.0°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 ₁₀ , PM _{2.5} , NO ₂ , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS-5182(P-24), Gravimetric Method	37.56	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS-5182 (P-23), Gravimetric Method	57.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182 (P-6), Jacob & Hochheiser	26.60	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 -2(i)] 18.11.2009.

*SOP - Laboratory Standard Operating Procedure



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- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with SLR A-Awarded Report
- This test report will not be used for publicity or advertising or other purpose without prior written permission on the laboratory.
- Consent opinion, does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

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

Report No.: VEL/A/22/1280027
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mt. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	23/11/2022 to 24/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 16.0°C Max. 27.0°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	38.96	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	61.22	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	23.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-7), Modified West and Gaeke	8.07	µg/m ³	80

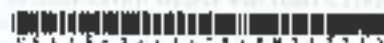
*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (1B)], [Part-II-sec.-3(i)] 15.11.2009

*SOP- Laboratory Standard Operating Procedure



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- The report no. with Suffix A-Avoided Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission from the laboratory
- By giving samples to the laboratory, the client agrees to the terms and conditions of the test samples by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

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

Report No.: VEL/A/22112R0028
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

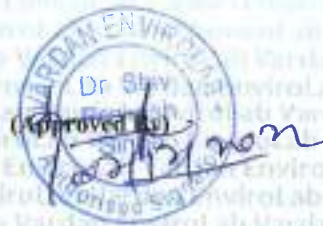
Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL-RDS-04 & VEL-FPS-04
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	23/11/2022 to 24/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min: 16.0°C Max: 27.0°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	30.16	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	25.71	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182(P-2), Modified West and Gaeke	9.42	µg/m ³	80

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

*SOP- Laboratory Standard Operating Procedure



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- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Client agrees to indemnify and hold the laboratory harmless for any liability caused by the client or its use of the test report.



Test Report

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

Report No.: VELJA/22112M029
Format No.: 7.8 F4K3
Party Reference No.: 4600082079
Date: 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandra)
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: 25/11/2022 to 26/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 16.0°C Max. 30.0°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: PM₁₀, PM_{2.5}, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS: 5182(P-24), Gravimetric Method	33.35	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	51.68	µg/m ³	130
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-4), Jacob & Hoekleiser	26.11	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	8.88	µg/m ³	80

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

*SOP- Laboratory Standard Operating Procedure



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- The report no. with Suffix A-Awarded Report.
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- Giving opinion does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/A00	Report No.:	VEL/A/2211280030
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124116 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Gate No -2
Instrument Used	RDS & EPS sampler with all Accessories
Instrument Code	VEL/RDS-02 & VEL/EPS-02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	25/11/2022 to 26/11/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 15.0°C Max. 30.0°C
Surrounding Activity	Human, Vehicular and Cement plant activities
Scope of Monitoring	Regulatory Requirement
Control measure (if Any)	Water Sprinkling
Sampling & Analysis Protocol	IS-5132 & 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: 5132 (P-24), Gravimetric Method	30.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5132 (P-23), Gravimetric Method	52.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5132 (P-6), Jacob & Hochheiser	19.86	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5132 (P-2), Modified West and Gaeke	8.55	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (XB)], [Part-III-sec -3(c)] 18.11.2009,

*SOP- Laboratory Standard Operating Procedure



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- The report is with Self-Accredited Report.
- The test report will not be used for publicity or advertising or trade purpose without prior written permission of the laboratory.
- During optional data call time and/or result of the listed sample by the lab. Under no circumstances the lab accepts any liability caused by the use or misuse of the test report.



Test Report

Sample Number:	VEL/JKCW/A/31	Report No.:	VEL/A/22/1280/11
Name & Address of the Party:	M/s JK Cement Works Mukun Bari Road Jharil - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/03 & VEL/FPS/01
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	26/11/2022 to 27/11/2022
Time of Monitoring	24/0 hours
Ambient Temperature (°C)	Min 16.0°C Max 31.0°C
Surrounding Activity	Human, Vehicular and Rail activities
Scope of Monitoring	Regulatory Requirement
Control measure if Any	Water Sprinkling
Sampling & Analysis Protocol	IS-5182 & C-PCB Guideline
Parameter Required	PM ₁₀ , PM _{2.5} , NO _x , SO _x

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM ₁₀)	IS 5182(P-24), Gravimetric Method	35.89	µg/m ³	60
2.	Particulate Matter (PM _{2.5})	IS: 5182 (P-23), Gravimetric Method	59.101	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	26.75	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-VI, [Rule 3 (3B)], [Part-II sec.-3(i)] 18.11.2009.

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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
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- This test report will not be used for publicity or advertising or media purposes without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number: VELJKCW/A/32
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharkh - 121106
Distt - Jhajjur (HARYANA)

Report No.: VEL/A/221128M032
Format No.: T.R P-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location: Near Wagon Tippler
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VED/RDS/04 & VED/FPS/04
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Clear Sky
Date of Monitoring: 26/11/2022 to 27/11/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min 16.0°C Max. 31.0°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	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23), Gravimetric Method	56.88	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6), Jacob & Hochheiser	21.69	µg/m ³	50
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2), Modified West and Gaeke	7.55	µg/m ³	30

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (2B)], [Part-II, sec. 3(1)] 18.12.2019.

*SOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
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- The report no. with Sd/As Amended Report.
- This laboratory will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Using opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of this test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/01	Report No.:	VEL/A/2212120001
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 05/12/2022 to 06/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 16.0°C Max. 29.0°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)	38.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.48	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/02	Report No.:	VEL/A/2212120002
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 05/12/2022 to 06/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 16.0°C Max. 29.0°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)	35.77	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.59	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.57	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/03	Report No.:	VEL/A/2212120003
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 06/12/2022 to 07/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 26.0°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)	41.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.73	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.76	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.12	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/04	Report No.:	VEL/A/2212120004
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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 Clouds
Date of Monitoring	06/12/2022 to 07/12/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 15.0°C Max. 26.0°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)	30.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.46	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.12	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/05	Report No.:	VEL/A/2212120005
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 08/12/2022 to 09/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 29.0°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)	38.10	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.10	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.78	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.92	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/06	Report No.:	VEL/A/2212120006
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative(Mukesh Chandra)
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	08/12/2022 to 09/12/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 15.0°C Max. 29.0°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)	32.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.93	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.36	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/07	Report No.:	VEL/A/2212120007
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 09/12/2022 to 10/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min, 16.0°C Max, 30.0°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)	34.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.13	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.66	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/08	Report No.:	VEL/A/2212120008
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:	17/12/2022
		Period of Analysis:	12/12/2022 to 17/12/2022
		Receipt Date:	12/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative(Mukesh Chandra)
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	09/12/2022 to 10/12/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 16.0°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} , 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)	39.01	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.82	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.44	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/09	Report No.:	VEL/A/2212190009
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 12/12/2022 to 13/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 27.0°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)	30.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.87	µg/m ³	80

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212190010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 24/12/2022
Period of Analysis: 19/12/2022 to 24/12/2022
Receipt Date: 19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	12/12/2022 to 13/12/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 15.0°C Max. 27.0°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)	33.39	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.20	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.66	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.03	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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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/11	Report No.:	VEL/A/2212190611
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 13/12/2022 to 14/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 27.0°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)	36.08	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.74	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.38	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.74	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/12	Report No.:	VEL/A/2212190012
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 13/12/2022 to 14/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 27.0°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)	32.85	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.70	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.76	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/13	Report No.:	VEL/A/2212190013
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 15/12/2022 to 16/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	39.44	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.67	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.24	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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,

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/14	Report No.:	VEL/A/2212190014
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 15/12/2022 to 16/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	37.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.11	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212190015
 Format No.: 7.8 F-03
 Party Reference No.: 4600082079
 Dated- 16.05.2022

Reporting Date: 24/12/2022
 Period of Analysis: 19/12/2022 to 24/12/2022
 Receipt Date: 19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
 Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
 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 : 16/12/2022 to 17/12/2022
 Time of Monitoring : 24.0 hours
 Ambient Temperature (°C) : Min. 13.0°C Max. 28.0°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)	34.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.22	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/16	Report No.:	VEL/A/2212190016
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:	24/12/2022
		Period of Analysis:	19/12/2022 to 24/12/2022
		Receipt Date:	19/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 16/12/2022 to 17/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 28.0°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)	38.58	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.08	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.78	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.26	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/17	Report No.:	VEL/A/2212260017
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:	30/12/2022
		Period of Analysis:	26/12/2022 to 30/12/2022
		Receipt Date:	26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 19/12/2022 to 20/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 14.0°C Max. 28.0°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)	37.88	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.80	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.42	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.62	µg/m ³	80

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212260018
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 30/12/2022
Period of Analysis: 26/12/2022 to 30/12/2022
Receipt Date: 26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 19/12/2022 to 20/12/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 14.0°C Max. 28.0°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)	31.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.11	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.22	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.49	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/19	Report No.:	VEL/A/2212260019
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:	30/12/2022
		Period of Analysis:	26/12/2022 to 30/12/2022
		Receipt Date:	26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 28/12/2022 to 29/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 14.0°C Max. 25.0°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)	37.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.82	µg/m ³	80

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212260020
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 30/12/2022
Period of Analysis: 26/12/2022 to 30/12/2022
Receipt Date: 26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	20/12/2022 to 21/12/2022
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 14.0°C Max. 25.0°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)	38.33	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.14	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

^oSOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212260021
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 30/12/2022
Period of Analysis: 26/12/2022 to 30/12/2022
Receipt Date: 26/12/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
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: 22/12/2022 to 23/12/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 12.0°C Max. 25.0°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)	33.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.86	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.78	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/22	Report No.:	VEL/A/2212260022
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:	30/12/2022
		Period of Analysis:	26/12/2022 to 30/12/2022
		Receipt Date:	26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 22/12/2022 to 23/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 12.0°C Max. 25.0°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)	35.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.49	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.42	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/23	Report No.:	VEL/A/2112260023
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:	30/12/2022
		Period of Analysis:	26/12/2022 to 30/12/2022
		Receipt Date:	26/12/2022

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 23/12/2022 to 24/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 12.0°C Max. 25.0°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)	42.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.83	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.59	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	9.20	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/24	Report No.:	VEL/A/2212260024
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:	30/12/2022
		Period of Analysis:	26/12/2022 to 30/12/2022
		Receipt Date:	26/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 23/12/2022 to 24/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 12.0°C Max. 25.0°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)	33.36	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.72	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.94	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/25	Report No.:	VEL/A/2212310025
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:	31/12/2022
		Period of Analysis:	31/12/2022 to 31/12/2022
		Receipt Date:	31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 26/12/2022 to 27/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 24.0°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)	36.00	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	09.44	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/26	Report No.:	VEL/A/2212310026
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	31/12/2022
		Period of Analysis:	31/12/2022 to 31/12/2022
		Receipt Date:	31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 26/12/2022 to 27/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 24.0°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)	39.88	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.02	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	29.77	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	9.47	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2212310027
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 31/12/2022
Period of Analysis: 31/12/2022 to 31/12/2022
Receipt Date: 31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 27/12/2022 to 28/12/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 11.0°C Max. 24.0°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)	35.71	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.06	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	9.12	µg/m ³	80

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2212310028
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 31/12/2022
Period of Analysis: 31/12/2022 to 31/12/2022
Receipt Date: 31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
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: 27/12/2022 to 28/12/2022
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 11.0°C Max. 24.0°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)	36.55	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.15	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.77	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2212310029
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 31/12/2022
Period of Analysis: 31/12/2022 to 31/12/2022
Receipt Date: 31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 29/12/2022 to 30/12/2022
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 10.0°C Max. 25.0°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)	31.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.66	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/30	Report No.:	VEL/A/2212310030
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:	31/12/2022
		Period of Analysis:	31/12/2022 to 31/12/2022
		Receipt Date:	31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 29/12/2022 to 30/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 25.0°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)	33.24	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.73	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/31	Report No.:	VEL/A/2212310031
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhurli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	31/12/2022
		Period of Analysis:	31/12/2022 to 31/12/2022
		Receipt Date:	31/12/2022

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 30/12/2022 to 31/12/2022
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 24.0°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)	42.02	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.16	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.44	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2212310032
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 31/12/2022
Period of Analysis: 31/12/2022 to 31/12/2022
Receipt Date: 31/12/2022

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. Kapil Agrawal (Unit Head)
- Vardan EnviroLab Representative (Mukesh Chandra)
- Near Wagon Tippler
- RDS & FPS sampler with all Accessories
- VEL/RDS/04 & VEL/FPS/04
- Calibrated
- Clear Sky
- 30/12/2022 to 31/12/2022
- 24.0 hours
- Min. 10.0°C Max. 24.0°C
- Human, Vehicular and Cement plant activities
- Regulatory Requirement
- Yes
- 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})	IS:5182(P-24)	33.06	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.61	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.36	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/01	Report No.:	VEL/A/2301090013
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:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	02/1/2023 to 03/01/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 11.0°C Max. 24.0°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)	35.19	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.66	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.49	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.12	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/03	Report No.:	VEL/A/2301090015
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 P-03
		Party Reference No.:	4600082079
		Dated-	16.05.2023
		Reporting Date:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 02/01/2023 to 03/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 24.0°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)	30.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.22	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	29.01	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.92	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/05	Report No.:	VEL/A/2301090017
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhadi - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 03/01/2023 to 04/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 23.0°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)	40.24	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.66	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.22	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/07	Report No.:	VEL/A/2301090019
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:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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 Clouds
Date of Monitoring	: 03/01/2023 to 04/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 23.0°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)	36.74	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.92	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.79	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/02	Report No.:	VEL/A/2301090014
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharil - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 05/01/2023 to 06/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 09.0°C Max. 24.0°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)	39.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.58	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/04	Report No.:	VEL/A/2301090016
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:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 05/01/2023 to 06/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 09.0°C Max. 24.0°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)	37.29	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.82	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/06	Report No.:	VEL/A/2301090018
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:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 06/01/2023 to 07/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 08.0°C Max. 22.0°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)	32.11	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.92	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.88	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.45	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



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/08	Report No.:	VEL/A/2301090020
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:	13/01/2023
		Period of Analysis:	09/01/2023 to 13/01/2023
		Receipt Date:	09/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative(Mukesh Chandra)
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	06/01/2023 to 07/01/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 08.0°C Max. 22.0°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)	38.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.74	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.01	µg/m ³	80

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

⁶SOP Laboratory Standard Operating Procedure



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/09	Report No.:	VEL/A/2301160001
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:	20/01/2023
		Period of Analysis:	16/01/2023 to 20/01/2023
		Receipt Date:	16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 09/01/2023 to 10/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 24.0°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)	33.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.16	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.21	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2301160003
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/01/2023
Period of Analysis: 16/01/2023 to 20/01/2023
Receipt Date: 16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 09/01/2023 to 10/01/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 11.0°C Max. 24.0°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)	38.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.39	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2301160005
 Format No.: 7.8 F-03
 Party Reference No.: 4600082079
 Dated- 16.05.2022

Reporting Date: 20/01/2023
 Period of Analysis: 16/01/2023 to 20/01/2023
 Receipt Date: 16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
 Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
 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 : 10/01/2023 to 11/01/2023
 Time of Monitoring : 24.0 hours
 Ambient Temperature (°C) : Min. 11.0°C Max. 26.0°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)	40.24	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.84	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.13	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/15	Report No.:	VEL/A/2301160007
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:	20/01/2023
		Period of Analysis:	16/01/2023 to 20/01/2023
		Receipt Date:	16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 10/01/2023 to 11/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 26.0°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)	31.79	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.49	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/10	Report No.:	VEL/A/2301160002
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:	20/01/2023
		Period of Analysis:	16/01/2023 to 20/01/2023
		Receipt Date:	16/01/2023

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 12/01/2023 to 13/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 16.0°C Max. 23.0°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)	30.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.29	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.04	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.87	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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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/12	Report No.:	VEL/A/2301160004
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:	20/01/2023
		Period of Analysis:	16/01/2023 to 20/01/2023
		Receipt Date:	16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	12/01/2023 to 13/01/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 16.0°C Max. 23.0°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)	35.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.91	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.72	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.01	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/14	Report No.:	VEL/A/2301160006
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:	20/01/2023
		Period of Analysis:	16/01/2023 to 20/01/2023
		Receipt Date:	16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 13/01/2023 to 14/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°C Max. 23.0°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)	37.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.92	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

*SOP- Laboratory Standard Operating Procedure



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- To verify the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- This report is with Saffo A-Approved Report.
- This test report will not be used for publicly or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301160008
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/01/2023
Period of Analysis: 16/01/2023 to 20/01/2023
Receipt Date: 16/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 13/01/2023 to 14/01/2023
Time of Monitoring : 24,0 hours
Ambient Temperature (°C) : Min. 15.0°C Max. 23.0°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)	39.27	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.32	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	29.04	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.11	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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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with full A-Annexure Report.
- This test report will not be used for publicity or advertising or media purposes without prior written permission of the laboratory.
- Quoting opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301230014
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 16/01/2023 to 17/01/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 06.0°C Max. 21.0°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)	31.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.71	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.07	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



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- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with Self-A-Annexed Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301230016
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Mukesh Chandra)
Near Gate No -2
RDS & FPS sampler with all Accessories
VEL/RDS/02 & VEL/FPS/02
Calibrated
Clear Sky
16/01/2023 to 17/01/2023
24.0 hours
Min. 06.0°C Max. 21.0°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})	IS:5182(P-24)	33.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.29	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	29.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.48	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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- To confirm the authority of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
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- This test report will not be used for publicity or advertising or media purpose without prior written permission in the laboratory.
- Given specimen does not imply endorsement of the tested sample by the lab. Under no circumstance, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301230018
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 17/01/2023 to 18/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 07.0°C Max. 22.0°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)	39.07	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.28	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.88	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.55	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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- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Client's opinion does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301230020
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 17/01/2023 to 18/01/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 07.0°C Max. 22.0°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)	41.01	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.66	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.01	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2301230015
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 19/01/2023 to 20/01/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 08.0°C Max. 22.0°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)	36.62	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.19	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.37	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.78	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/20	Report No.:	VEL/A/2301230017
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 19/01/2023 to 20/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 08.0°C Max. 22.0°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 _x , SO ₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24)	30.88	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.37	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.05	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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- This report is with Self-A-Assessed Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

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

Report No.: VEL/A/2301230019
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
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 : 20/01/2023 to 21/01/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 11.0°C Max. 25.0°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)	35.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.53	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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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- The report is valid with Suite A-Accredited Report.
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- Giving opinion does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/24	Report No.:	VEL/A/2301230021
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 20/01/2023 to 21/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 11.0°C Max. 25.0°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)	34.82	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.92	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/25	Report No.:	VEL/A/2301300001
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 23/01/2023 to 24/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 23.0°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)	33.10	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.26	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.04	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2301300003
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 03/02/2023
Period of Analysis: 30/01/2023 to 03/02/2023
Receipt Date: 30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
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: 23/01/2023 to 24/01/2023
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 10.0°C Max. 23.0°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)	35.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.18	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.11	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.55	µg/m ³	80

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

^oSOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/29	Report No.:	VEL/A/2301300005
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 24/01/2023 to 25/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 23.0°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)	39.01	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.71	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.79	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2301300007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 03/02/2023
Period of Analysis: 30/01/2023 to 03/02/2023
Receipt Date: 30/01/2023

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. Kapil Agrawal (Unit Head)
- VardanEnviroLab Representative (Mukesh Chandra)
- Near Wagon Tippler
- RDS & FPS sampler with all Accessories
- VEL/RDS/04 & VEL/FPS/04
- Calibrated
- Clear Sky
- 24/01/2023 to 25/01/2023
- 24.0 hours
- Min. 13.0°C Max. 23.0°C
- Human, Vehicular and Cement plant activities
- Regulatory Requirement
- Yes
- 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})	IS:5182(P-24)	36.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.13	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/26	Report No.:	VEL/A/2301300002
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 26/01/2023 to 27/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	37.21	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.38	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.59	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.01	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/28	Report No.:	VEL/A/2301300004
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 26/01/2023 to 27/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	30.15	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.69	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.50	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.48	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/30	Report No.:	VEL/A/2301300006
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
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	: 27/01/2023 to 28/01/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 09.0°C Max. 22.0°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)	32.92	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.26	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	29.52	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/32	Report No.:	VEL/A/2301300008
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:	03/02/2023
		Period of Analysis:	30/01/2023 to 03/02/2023
		Receipt Date:	30/01/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	27/01/2023 to 28/01/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 09.0°C Max. 22.0°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)	40.19	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.22	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.02	µg/m ³	80

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

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Test Report

Sample Number:	VEL/A/01	Report No.:	VEL/A/2302080004
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -1
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	: 01/02/2023 to 02/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 22.0°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)	32.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	47.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.75	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.56	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.



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Test Report

Sample Number:	VEL/A/02	Report No.:	VEL/A/2302080005
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -1
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	: 04/02/2023 to 05/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	37.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.18	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Test Report

Sample Number:	VEL/A/03	Report No.:	VEL/A/2302080006
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -2
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	: 01/02/2023 to 02/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 10.0°C Max. 22.0°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)	35.11	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.07	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.23	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/A/04	Report No.:	VEL/A/2302080067
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -2
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	: 04/02/2023 to 05/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max: 26.0°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)	39.62	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.11	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.05	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/A/05
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2302080008
Format No.: 7.8 P-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/02/2023
Period of Analysis: 08/02/2023 to 13/02/2023
Receipt Date: 08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Ravi)
Sampling Location: Railway Line Side
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Clear Sky
Date of Monitoring: 02/02/2023 to 03/02/2023
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 11.0°C Max. 25.0°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)	30.88	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.22	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.91	µg/m ³	80

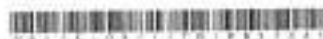
*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/A/06	Report No.:	VEL/A/2302080009
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 05/02/2023 to 06/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 27.0°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)	38.92	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.68	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.09	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/A/07
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2302080010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/02/2023
Period of Analysis: 08/02/2023 to 13/02/2023
Receipt Date: 08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Intermittent Clouds
Date of Monitoring : 02/02/2023 to 03/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 11.0°C Max. 25.0°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)	29.15	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.88	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.88	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.1.2009.

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Test Report

Sample Number:	VEL/A/08	Report No.:	VEL/A/2302080011
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:	13/02/2023
		Period of Analysis:	08/02/2023 to 13/02/2023
		Receipt Date:	08/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 05/02/2023 to 06/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 27.0°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)	36.72	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.44	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.67	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/09	Report No.:	VEL/A/2302150003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhardi - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 P-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	20/02/2023
		Period of Analysis:	15/02/2023 to 20/02/2023
		Receipt Date:	15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -1
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	: 08/02/2023 to 09/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 25.0°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)	35.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.56	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.54	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/A/10	Report No.:	VEL/A/2302150004
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	20/02/2023
		Period of Analysis:	15/02/2023 to 20/02/2023
		Receipt Date:	15/02/2023

Sample Description: AMBIENT AIRQUALITY 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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Near Gate No -1
RDS & FPS sampler with all Accessories
VEL/RDS/03 & VEL/FPS/03
Calibrated
Clear Sky
11/02/2023 to 12/02/2023
24.0 hours
Min. 15.0°C Max. 30.0°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})	IS:5182(P-24)	31.86	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.32	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.29	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

*SOP- Laboratory Standard Operating Procedure



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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2302150005
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/02/2023
Period of Analysis: 15/02/2023 to 20/02/2023
Receipt Date: 15/02/2023

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Near Gate No -2
RDS & FPS sampler with all Accessories
VEL/RDS/04 & VEL/FPS/04
Calibrated
Clear Sky
08/02/2023 to 09/02/2023
24.0 hours
Min. 13.0°C Max. 25.0°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})	IS:5182(P-24)	39.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	47.92	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.05	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.22	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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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

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

Report No.: VEL/A/2302150006
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 20/02/2023
Period of Analysis: 15/02/2023 to 20/02/2023
Receipt Date: 15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Gate No -2
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 : 11/02/2023 to 12/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 15.0°C Max. 30.0°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)	37.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.21	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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



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- To confirm the authenticity of this certificate of analysis, please contact us through email of lab@vardan.co.in
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- This test report will not be used for publicity or advertising or media purpose without prior written permission in the laboratory.
- Using options does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

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

Report No.: VEL/A/2302150007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 20/02/2023
Period of Analysis: 15/02/2023 to 20/02/2023
Receipt Date: 15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/02/2023 to 10/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 13.0°C Max. 30.0°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)	30.22	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	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/A/14	Report No.:	VEL/A/2302150008
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:	20/02/2023
		Period of Analysis:	15/02/2023 to 20/02/2023
		Receipt Date:	15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/02/2023 to 13/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 24.0°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)	34.59	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS- 5182 (P-23)	57.08	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.66	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.81	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/A/15	Report No.:	VEL/A/2302150009
Name & Address of the Party:	M/s JK Cement Works Moham Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	20/02/2023
		Period of Analysis:	15/02/2023 to 20/02/2023
		Receipt Date:	15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 09/02/2023 to 10/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°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} , 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)	36.23	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.33	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.13	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/A/16	Report No.:	VEL/A/2302150010
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:	20/02/2023
		Period of Analysis:	15/02/2023 to 20/02/2023
		Receipt Date:	15/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 12/02/2023 to 13/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 24.0°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)	36.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.01	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.43	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/17	Report No.:	VEL/A/2302220009
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -1
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	: 15/02/2023 to 16/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 14.0°C Max. 30.0°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)	33.61	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.86	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.35	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.86	µg/m ³	80

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Test Report

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

Report No.: VEL/A/2302220010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 27/02/2023
Period of Analysis: 22/02/2023 to 27/02/2023
Receipt Date: 22/02/2023

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Gate No -1
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 : 18/02/2023 to 19/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 16.0°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})	IS: 5182 (P-24)	30.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.05	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.04	µg/m ³	80

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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2302220011
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 27/02/2023
Period of Analysis: 22/02/2023 to 27/02/2023
Receipt Date: 22/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Gate No -2
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 : 15/02/2023 to 16/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 14.0°C Max. 30.0°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)	35.89	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.25	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.21	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/20	Report No.:	VEL/A/2302220012
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -2
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	: 18/02/2023 to 19/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 16.0°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})	IS:5182(P-24)	39.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.71	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.84	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



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Test Report

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

Report No.: VEL/A/2302220013
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 27/02/2023
Period of Analysis: 22/02/2023 to 27/02/2023
Receipt Date: 22/02/2023

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. Kapil Agrawal (Unit Head)
: VardanEnviroLab Representative (Ravi)
: **Railway Line Side**
: RDS & FPS sampler with all Accessories
: VEL/RDS/05 & VEL/FPS/05
: Calibrated
: Intermittent Rain
: 16/02/2023 to 17/02/2023
: 24.0 hours
: Min. 15.0°C Max. 30.0°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})	IS-5182(P-24)	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.09	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	17.92	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.01	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/A/22	Report No.:	VEL/A/2302220014
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT AIRQUALITY 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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Railway Line Side
RDS & FPS sampler with all Accessories
VEL/RDS-05 & VEL/FPS-05
Calibrated
Clear Sky
19/02/2023 to 20/02/2023
24.0 hours
Min. 16.0°C Max. 33.0°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})	IS:5182(P-24)	37.41	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.62	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	28.51	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/23	Report No.:	VEL/A/2302220015
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 16/02/2023 to 17/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 15.0°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} , 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)	39.00	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.25	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.39	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.45	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/A/24	Report No.:	VEL/A/2302220016
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:	16.05.2023
		Reporting Date:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Near Wagon Tippler
RDS & FPS sampler with all Accessories
VEL/RDS/06 & VEL/FPS/06
Calibrated
Clear Sky
19/02/2023 to 20/02/2023
24.0 hours
Min. 16.0°C Max. 33.0°C
Human, Vehicular and Cement plant activities
Regulatory Requirement
Yes
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})	IS:5182(P-24)	29.91	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.40	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.12	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.79	µg/m ³	80

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

*SOP- Laboratory Standard Operating Procedure



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Test Report

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

Report No.: VEL/A/2302280001
Format No.: 7.8 P-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 03/03/2023
Period of Analysis: 28/02/2023 to 03/03/2023
Receipt Date: 28/02/2023

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Near Gate No -1
RDS & FPS sampler with all Accessories
VEL/RDS/03 & VEL/FPS/03
Calibrated
Intermittent Rain
22/02/2023 to 23/02/2023
24.0 hours
Min. 18.0°C Max. 35.0°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})	IS:5182(P-24)	37.69	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.05	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.85	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.12	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/A/26
Name & Address of the Party: M/s. JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2302280002
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 03/03/2023
Period of Analysis: 28/02/2023 to 03/03/2023
Receipt Date: 28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Gate No -1
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 : 25/02/2023 to 26/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 13.0°C Max. 26.0°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)	34.75	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.91	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.69	µg/m ³	80

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/27	Report No.:	VEL/A/2302280003
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:	03/03/2023
		Period of Analysis:	28/02/2023 to 03/03/2023
		Receipt Date:	28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -2
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	: 22/02/2023 to 23/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 18.0°C Max. 35.0°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)	31.25	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	49.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/28	Report No.:	VEL/A/2302280004
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:	03/03/2023
		Period of Analysis:	28/02/2023 to 03/03/2023
		Receipt Date:	28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Location	: Near Gate No -2
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	: 25/02/2023 to 26/02/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 13.0°C Max. 26.0°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)	39.82	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.16	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/A/2302280005
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 03/03/2023
Period of Analysis: 28/02/2023 to 03/03/2023
Receipt Date: 28/02/2023

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. Kapil Agrawal (Unit Head)
VardanEnviroLab Representative (Ravi)
Railway Line Side
RDS & FPS sampler with all Accessories
VEL/RDS/05 & VEL/FPS/05
Calibrated
Clear Sky
23/02/2023 to 24/02/2023
24.0 hours
Min. 17.0°C Max. 35.0°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})	IS:5182(P-24)	30.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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



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Test Report

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

Report No.: VEL/A/2302280006
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 03/03/2023
Period of Analysis: 28/02/2023 to 03/03/2023
Receipt Date: 28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS-05 & VEL/FPS-05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/02/2023 to 27/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 09.0°C Max. 22.0°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)	37.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.76	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.89	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.68	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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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/A/2302280007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 03/03/2023
Period of Analysis: 28/02/2023 to 03/03/2023
Receipt Date: 28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Ravi)
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 23/02/2023 to 24/02/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 17.0°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}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24)	35.05	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.77	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.



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Test Report

Sample Number:	VEL/A/32	Report No.:	VEL/A/2302280008
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:	03/03/2023
		Period of Analysis:	28/02/2023 to 03/03/2023
		Receipt Date:	28/02/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Ravi)
Sampling Location	Near Wagon Tippler
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	26/02/2023 to 27/02/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 09.0°C Max. 22.0°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)	33.02	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.31	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.92	µg/m ³	80

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

⁰SOP- Laboratory Standard Operating Procedure



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Test Report

Sample Number:	VEL/A/01	Report No.:	VEL/A/2303080004
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:	13/03/2023
		Period of Analysis:	08/03/2023 to 13/03/2023
		Receipt Date:	08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Gate No -I
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	01/03/2023 to 02/03/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 21.0°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)	39.46	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	17.26	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.33	µg/m ³	80

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Test Report

Sample Number:	VEL/A/02	Report No.:	VEL/A/2303080005
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:	13/03/2023
		Period of Analysis:	08/03/2023 to 13/03/2023
		Receipt Date:	08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 04/03/2023 to 05/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	29.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	47.28	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.05	µg/m ³	80

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Test Report

Sample Number:	VEL/A/03	Report No.:	VEL/A/2303080006
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:	13/03/2023
		Period of Analysis:	08/03/2023 to 13/03/2023
		Receipt Date:	08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 01/03/2023 to 02/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°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)	31.59	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	25.69	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.33	µg/m ³	80

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Test Report

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

Report No.: VEL/A/2303080007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/03/2023
Period of Analysis: 08/03/2023 to 13/03/2023
Receipt Date: 08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location : Near Gate No -2
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 : 04/03/2023 to 05/03/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°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)	36.44	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.10	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.48	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.92	µg/m ³	80

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Test Report

Sample Number:	VEL/A/05	Report No.:	VEL/A/2303080008
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:	13/03/2023
		Period of Analysis:	08/03/2023 to 13/03/2023
		Receipt Date:	08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 02/03/2023 to 03/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°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)	32.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.00	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.13	µg/m ³	80

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Test Report

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

Report No.: VEL/A/2303080009
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/03/2023
Period of Analysis: 08/03/2023 to 13/03/2023
Receipt Date: 08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location : Railway Line Side
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Intermittent Rain
Date of Monitoring : 05/03/2023 to 06/03/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°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}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24)	29.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.24	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.88	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	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/A/07	Report No.:	VEL/A/2303080010
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:	13/03/2023
		Period of Analysis:	08/03/2023 to 13/03/2023
		Receipt Date:	08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 02/03/2023 to 03/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°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)	38.49	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	61.23	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.59	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.58	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/A/08
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2303080011
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 13/03/2023
Period of Analysis: 08/03/2023 to 13/03/2023
Receipt Date: 08/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location : Near Wagon Tippler
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Intermittent Rain
Date of Monitoring : 05/03/2023 to 06/03/2023
Time of Monitoring : 24.0 hours
Ambient Temperature (°C) : Min. 20.0°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}, PM₁₀, NO₂, SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	IS:5182(P-24)	38.16	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.07	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.92	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/A/09	Report No.:	VEL/A/2303150003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 08/03/2023 to 09/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 18.0°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)	33.23	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	56.49	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.01	µg/m ³	80

*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-41-sec.-3(i)] 18.11.2009.

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Test Report

Sample Number:	VEL/A/10	Report No.:	VEL/A/2303150004
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:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 11/03/2023 to 12/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	29.79	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.69	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.44	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.79	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/A/11	Report No.:	VEL/A/2303150005
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:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 08/03/2023 to 09/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 18.0°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)	37.57	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.43	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.74	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	9.01	µg/m ³	80

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Test Report

Sample Number:	VEL/A/12	Report No.:	VEL/A/2303150006
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:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 11/03/2023 to 12/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°C Max. 39.0°C
Surrounding Activity	: Human, Vehicular and Cement plant activities
Scape 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)	35.11	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	58.36	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.12	µg/m ³	80

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Test Report

Sample Number:	VEL/A/13	Report No.:	VEL/A/2303150007
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:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 09/03/2023 to 10/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°C Max. 30.0°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)	39.49	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	62.02	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.55	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.23	µg/m ³	80

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Test Report

Sample Number:	VEL/A/14	Report No.:	VEL/A/2303150008
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:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Metereological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 12/03/2023 to 13/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min: 20.0°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)	31.78	µg/m ³	50
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.66	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.82	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.44	µg/m ³	80

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Test Report

Sample Number:	VEL/A/15	Report No.:	VEL/A/2303150009
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhurli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	20/03/2023
		Period of Analysis:	15/03/2023 to 20/03/2023
		Receipt Date:	15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 09/03/2023 to 10/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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} , 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)	40.00	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS-5182 (P-23)	66.73	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS-5182 (P-6)	17.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS-5182 (P-2)	8.69	µg/m ³	80

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Test Report

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

Report No.: VEL/A/2303150010
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 20/03/2023
Period of Analysis: 15/03/2023 to 20/03/2023
Receipt Date: 15/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location: Near Wagon Tippler
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Cloudy Sky
Date of Monitoring: 12/03/2023 to 13/03/2023
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 20.0°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)	32.92	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.36	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	21.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.89	µg/m ³	80

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

ⁱⁱSOP- Laboratory Standard Operating Procedure



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Test Report

Sample Number:	VEL/A/17	Report No.:	VEL/A/2303220009
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 15/03/2023 to 18/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°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})	IS:5182(P-24)	31.59	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.55	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/A/18	Report No.:	VEL/A/2303220010
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 18/03/2023 to 19/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	34.68	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.12	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.86	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.78	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/A/19	Report No.:	VEL/A/2303220011
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 15/03/2023 to 18/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 21.0°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})	IS:5182(P-24)	29.18	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	53.47	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	17.58	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	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.

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Test Report

Sample Number:	VEL/A/20	Report No.:	VEL/A/2303220012
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 18/03/2023 to 19/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	26.60	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	47.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.14	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.21	µg/m ³	80

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Test Report

Sample Number:	VEL/A/21	Report No.:	VEL/A/2303220013
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 16/03/2023 to 17/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	35.21	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	55.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.82	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.23	µg/m ³	80

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Test Report

Sample Number:	VEL/A/22	Report No.:	VEL/A/2303220014
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 19/03/2023 to 20/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	34.41	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	51.02	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	26.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.33	µg/m ³	80

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Test Report

Sample Number:	VEL/A/23	Report No.:	VEL/A/2303220015
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy Sky
Date of Monitoring	: 16/03/2023 to 17/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	33.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.75	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.06	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	5.92	µg/m ³	80

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Test Report

Sample Number:	VEL/A/24	Report No.:	VEL/A/2303220016
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 19/03/2023 to 20/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°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)	30.56	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	48.60	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	16.46	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.79	µg/m ³	80

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Test Report

Sample Number:	VEL/A/25	Report No.:	VEL/A/2303280001
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -I
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	: 22/03/2023 to 23/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 17.0°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)	38.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	52.35	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	22.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.48	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/A/26	Report No.:	VEL/A/2303280002
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -1
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	: 25/03/2023 to 26/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 20.0°C Max. 35.0°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)	33.54	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	59.84	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	20.14	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.58	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/A/27	Report No.:	VEL/A/2303280003
Name & Address of the Party:	M/s JK Cement Works Mohun Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No -2
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	: 22/03/2023 to 23/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 17.0°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)	29.47	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	47.17	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	16.87	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.92	µg/m ³	80

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Test Report

Sample Number:	VEL/A/28	Report No.:	VEL/A/2303280004
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Gate No -2
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	25/03/2023 to 26/03/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 20.0°C Max. 35.0°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)	36.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	54.69	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	19.58	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	7.33	µg/m ³	80

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Test Report

Sample Number:	VEL/A/29	Report No.:	VEL/A/2303280005
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	23/03/2023 to 24/03/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 20.0°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})	IS:5182(P-24)	31.66	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	48.81	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	27.02	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	9.12	µg/m ³	80

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Test Report

Sample Number:	VEL/A/30	Report No.:	VEL/A/2303280006
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Railway Line Side
Instrument Used	RDS & FPS sampler with all Accessories
Instrument Code	VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	26/03/2023 to 27/03/2023
Time of Monitoring	24.0 hours
Ambient Temperature (°C)	Min. 19.0°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})	IS: 5182 (P-24)	34.59	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.14	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	24.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.13	µg/m ³	80

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Test Report

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

Report No.: VEL/A/2303280007
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 31/03/2023
Period of Analysis: 28/03/2023 to 31/03/2023
Receipt Date: 28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative: Mr. Kapil Agrawal (Unit Head)
Sample collected by: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location: Near Wagon Tippler
Instrument Used: RDS & FPS sampler with all Accessories
Instrument Code: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status: Calibrated
Meteorological condition during monitoring: Clear Sky
Date of Monitoring: 23/03/2023 to 24/03/2023
Time of Monitoring: 24.0 hours
Ambient Temperature (°C): Min. 20.0°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})	IS:5182(P-24)	37.48	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	57.33	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	18.01	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	8.11	µg/m ³	80

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Test Report

Sample Number:	VEL/A/32	Report No.:	VEL/A/2303280068
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:	31/03/2023
		Period of Analysis:	28/03/2023 to 31/03/2023
		Receipt Date:	28/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: RDS & FPS sampler with all Accessories
Instrument Code	: VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 26/03/2023 to 27/03/2023
Time of Monitoring	: 24.0 hours
Ambient Temperature (°C)	: Min. 19.0°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})	IS:5182(P-24)	32.83	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23)	50.31	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6)	23.61	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2)	6.92	µg/m ³	80

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J.K. CEMENT WORKS, JHARLI

Ambient Noise Monitoring in dB(A) 2022-23 (Oct-22-March-23)

Location	Gate No -1		Gate No -2		Railway Line Side		Near Wagon Tippler	
Month	Day	Night	Day	Night	Day	Night	Day	Night
Oct-22	58.3	54.2	57.4	49.3	62.2	56.5	63.2	55.2
	61.5	56.3	63.2	54.3	61.2	53.2	56.2	52.2
Nov-22	55.7	47.6	56.7	51.1	54.2	47.4	65.1	56.5
	60.8	55.4	59.9	52.5	64.9	52.2	55.5	47.2
Dec-22	57.9	49.8	57.7	45.2	58.5	50.8	62.2	52.4
	59.8	53.7	64.5	52.6	61.4	54.1	57.2	49.7
Jan-23	58.4	50.7	61.3	48.4	56.9	49.2	55.6	51.7
	56.3	51.4	61.4	55.1	64.2	56.5	62.8	53.5
Feb-23	57.1	51.7	54.8	49.7	59.0	47.7	63.8	57.1
	61.4	53.9	65.9	55.2	56.8	50.3	60.3	55.8
Mar-23	59.4	50.3	55.3	48.8	57.7	46.3	61.6	56.2
	60.0	52.4	64.6	54.3	54.7	48.8	63.5	53.2
Average	58.9	52.3	60.2	51.4	59.3	51.1	60.6	53.4



Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/01	Report No.:	VEL/AN/2210060001
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Intermittent Rain
Date of Monitoring	: 06/10/2022 to 07/10/2022
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.	L _{max}	IS 9989, By Calculation	73.8	63.6	dB(A)
2.	L _{min}	IS 9989, By Calculation	44.1	39.7	dB(A)
3.	L _{eq}	IS 9989, By Calculation	58.33	54.24	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VELJKCW/AN/02	Report No.:	VEL/AN/2210060002
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Intermittent Rain
Date of Monitoring	: 07/10/2022 to 08/10/2022
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	67.6	58.8	dB(A)
2.	L _{min}	IS 9989, By Calculation	50.1	42.9	dB(A)
3.	L _{eq}	IS 9989, By Calculation	57.4	49.29	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/03	Report No.:	VEL/AN/2210060003
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Intermittent Rain
Date of Monitoring	: 07/10/2022 to 08/10/2022
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, By Calculation	71.1	67.10	dB(A)
2.	L _{min}	IS 9989, By Calculation	51.8	44.3	dB(A)
3.	L _{eq}	IS 9989, By Calculation	62.21	56.54	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.



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Vardan EnviroLab

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

Sample Number:	VEL/JKCW/AN/04	Report No.:	VEL/AN/2210060004
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: Intermittent Rain
Date of Monitoring	: 07/10/2022 to 08/10/2022
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	73.5	65.9	dB(A)
2.	L _{min}	IS 9989, By Calculation	52.8	43.4	dB(A)
3.	L _{eq}	IS 9989, By Calculation	63.18	55.18	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.



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Test Report

Sample Number:	VEL/JKCW/AN/05	Report No.:	VEL/AN/2210200005
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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 - 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	: 20/10/2022 to 21/10/2022
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	71.6	65.4	dB(A)
2.	Lmin	IS 9989, By Calculation	51.6	44.7	dB(A)
3.	Leq	IS 9989, By Calculation	61.45	56.31	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/2210200006
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 28/10/2022
Period of Analysis: 24/10/2022 to 28/10/2022
Receipt Date: 24/10/2022

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 : 20/10/2022 to 21/10/2022
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	73.9	69.5	dB(A)
2.	L _{min}	IS 9989, By Calculation	51.7	42.3	dB(A)
3.	L _{eq}	IS 9989, By Calculation	63.24	54.32	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/07	Report No.:	VEL/AN/221020007
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 21/10/2022 to 22/10/2022
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, By Calculation	73.9	68.8	dB(A)
2.	L _{min}	IS 9989, By Calculation	52.7	40.4	dB(A)
3.	L _{eq}	IS 9989, By Calculation	61.21	53.21	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/08	Report No.:	VEL/AN/2210200008
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:	28/10/2022
		Period of Analysis:	24/10/2022 to 28/10/2022
		Receipt Date:	24/10/2022

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	: 21/10/2022 to 22/10/2022
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.	L _{max}	IS 9989, By Calculation	68.9	62.8	dB(A)
2.	L _{min}	IS 9989, By Calculation	49.7	40.5	dB(A)
3.	L _{eq}	IS 9989, By Calculation	56.15	52.18	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.



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Test Report

Sample Number:	VELJKCW/AN/01	Report No.:	VEL/AN/2211280001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharkh - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.5 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	25/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Gate No - II
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/11/2022 to 05/11/2022
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	71.6	62.8	dB(A)
2.	Linin	IS 9989	42.3	38.5	dB(A)
3.	Leq	IS 9989	55.68	47.60	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/JKCW/AN/05	Report No.:	VEL/AN/2211280005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhark - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600092079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	25/11/2022 to 26/11/2022
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	67.9	62.7	dB(A)
2.	L _{min}	IS 9989	47.3	41.5	dB(A)
3.	Leq	IS 9989	56.68	51.12	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

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

Report No.: VEL/AN/2211280002
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrowal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	04/11/2022 to 05/11/2022
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-9889 (I-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	64.8	59.4	dB(A)
2.	L _{min}	IS 9989	47.4	41.6	dB(A)
3.	L _{eq}	IS 9989	54.2	47.38	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEI/JKCW/AN/06	Report No.:	VEI/AN/2211280046
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.A F-03
		Party Reference No.:	460082079
		Date:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	25/11/2022 to 26/11/2022
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	74.8	62.4	dB(A)
2.	Lmin	IS 9989	52.5	43.5	dB(A)
3.	Leq	IS 9989	65.11	56.46	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.



Terms & Conditions

- The results reported relate only to the sample tested. In case sample is not found the results apply to the sample as described.
- The test report is valid only if used, shall not be reproduced in any form without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact the Vardan EnviroLab at 0124-4343750.
- Laboratory is not responsible for the authenticity of the test report. The test samples will be retained only for specific period.
- This report is valid only for the purpose of the test and shall not be used for any other purpose without the permission of the laboratory.
- Client's signature and seal are required for the test report. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/03	Report No.:	VEL/AN/221120003
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dkh - Jhajjar (HARYANA)	Format No.:	7.5 F-03
		Party Reference No.:	4600082079
		Date:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT NOISE LEVEL 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

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Mr. Kapil Agrawal (Unit Head)

Vardan EnviroLab Representative (Mukesh Chandra)

Railway Line Side

Sound Level Meter

VEL/S/SLM/04

Calibrated

Intermittent Rain

05/11/2022 to 06/11/2022

06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

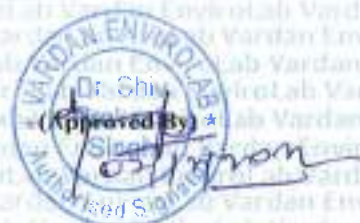
240 Hours

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	71.1	66.2	dB(A)
2.	Lmin	IS 9989	49.6	42.8	dB(A)
3.	Leq	IS 9989	60.78	55.36	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



Terms & Conditions

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- This test report is valid only in part. It shall not be reproduced in any form without prior written approval of the laboratory.
- To ensure the authenticity of this certificate of analysis, please contact us through email at info@vardan.co.in
- Laboratory is not responsible for the authenticity of photograph sent upon. The test samples will be retained only for specific period.
- The report no. will be given in the report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Client's signature does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/AN/07	Report No.:	VEL/AN/2211280007
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharkhri - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	23/11/2022 to 02/12/2022
		Receipt Date:	23/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	26/11/2022 to 27/11/2022
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 & CPCD 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	69.5	64.9	dB(A)
2.	Lmin	IS 9989	50.3	41.6	dB(A)
3.	Leq	IS 9989	59.87	52.46	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.

Terms & Conditions

- The results reported relate only to the samples taken. In case sample is not drawn, the results apply to the sample as received.
- This test report is full on impact, shall not be reproduced in any form or by any means without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only in specific period.
- The report is valid only for the purpose stated.
- This test report will not be used for publicity or advertising or marketing or similar purpose without prior written permission from the laboratory.
- Changing equipment does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability carried by the use or misuse of the test report.



Vardan EnviroLab

Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/KCW/AN/04	Report No.:	VEL/AN/2211280004
Name & Address of the Party:	M/s JK Cement Works Moham Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-01
		Party Reference No.:	4600082079
		Date:	16.05.2022
		Reporting Date:	02/12/2022
		Period of Analysis:	28/11/2022 to 02/12/2022
		Receipt Date:	28/11/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

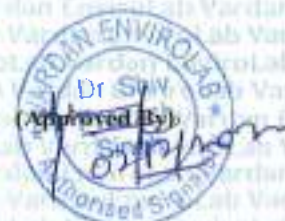
General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	Near Wagon Tippler
Instrument Used	Sound Level Meter
Instrument Code	VEL/S/SLM03
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Intermittent Rain
Date of Monitoring	05/11/2022 to 06/11/2022
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-9969 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 (06:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	72.9	67.6	dB(A)
2.	L _{min}	IS 9989	54.3	46.2	dB(A)
3.	L _{eq}	IS 9989	64.92	52.18	dB(A)
4.	CPCB Limits in dBA ¹ L _{eq} (Industrial Area)		75.00	70.00	dB(A)

Note: ¹A "decibel" is a unit in which noise is measured.



Terms & Conditions

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- This test report to be on in part, shall not be reproduced in any form without prior written approval of the laboratory.
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- Giving notice does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Test Report

Sample Number: VEL/JKC/W/AN/08
Name & Address of the Party: M/s JK Cement Works
Moham Bari Road Jharkh - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/AN/2211280008
Format No.: 7.3 F-03
Party Reference No.: 4600082079
Dated: 16.05.2022
Reporting Date: 02/12/2022
Period of Analysis: 28/11/2022 to 02/12/2022
Receipt Date: 28/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative(Mukesh Chandra)
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	26/11/2022 to 27/11/2022
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.	L _{max}	IS 9989	67.2	60.2	dB(A)
2.	L _{min}	IS 9989	46.5	39.4	dB(A)
3.	Leq	IS 9989	55.46	47.18	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.



Terms & Conditions

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/01	Report No.:	VEL/N/2212220010
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:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative(Mukesh Chandra)
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	05/12/2022 to 06/12/2022
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	65.8	60.9	dB(A)
2.	Lmin	IS 9989	44.5	37.8	dB(A)
3.	Leq	IS 9989	57.88	49.75	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/92	Report No.:	VEL/N/2212220011
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:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandra)
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	05/12/2022 to 06/12/2022
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	66.1	63.8	dB(A)
2.	L _{min}	IS 9989	44.9	38.5	dB(A)
3.	L _{eq}	IS 9989	57.68	45.22	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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- This report is not valid for any other purpose.
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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/03	Report No.:	VEL/N/2212220012
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:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 06/12/2022 to 07/12/2022
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	67.2	62.7	dB(A)
2.	Lmin	IS 9989	47.5	40.4	dB(A)
3.	Leq	IS 9989	58.49	50.80	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/04	Report No.:	VEL/N/2212220013
Name & Address of the Party:	M/s JK Cement Works Mohar Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 06/12/2022 to 07/12/2022
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	74.1	68.7	dB(A)
2.	L _{min}	IS 9989	56.5	48.5	dB(A)
3.	L _{eq}	IS 9989	62.20	52.44	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.



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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

Sample Number: VEL/N/05 Report No.: VEL/N/2212220014
 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: 26/12/2022
 Period of Analysis: 22/12/2022 to 26/12/2022
 Receipt Date: 22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
 Sample collected by : Vardan EnviroLab Representative(Mukesh Chandra)
 Sampling Location : Near Gate No - I
 Instrument Used : Sound Level Meter
 Instrument Code : VEL/S/SLM/01
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 19/12/2022 to 20/12/2022
 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	69.4	64.6	dB(A)
2.	L _{min}	IS 9989	49.5	40.1	dB(A)
3.	L _{eq}	IS 9989	59.78	53.66	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/06	Report No.:	VEL/N/2212220015
Name & Address of the Party:	M/s JK Cement Works Mohun Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
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	: 19/12/2022 to 20/12/2022
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	73.4	66.7	dB(A)
2.	L _{min}	IS 9989	49.1	41.4	dB(A)
3.	L _{eq}	IS 9989	64.54	52.60	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/07	Report No.:	VEL/N/2212220016
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:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 20/12/2022 to 21/12/2022
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	72.7	66.4	dB(A)
2.	L _{min}	IS 9989	51.8	43.5	dB(A)
3.	L _{eq}	IS 9989	61.35	54.12	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/08	Report No.:	VEL/N/2212220017
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Dist - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	26/12/2022
		Period of Analysis:	22/12/2022 to 26/12/2022
		Receipt Date:	22/12/2022

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
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	: 20/12/2022 to 21/12/2022
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.	L _{max}	IS 9989	66.7	61.5	dB(A)
2.	L _{min}	IS 9989	43.8	36.8	dB(A)
3.	L _{eq}	IS 9989	57.24	49.68	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/01	Report No.:	VEL/N/2301230014
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 05/01/2023 to 06/01/2023
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.	L _{max}	IS 9989	68.3	61.2	dB(A)
2.	L _{min}	IS 9989	46.1	38.2	dB(A)
3.	L _{eq}	IS 9989	58.35	50.66	dB(A)
4.	CPCB Limits in dB(A*) L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/02	Report No.:	VEL/N/2301230016
Name & Address of the Party:	M/s. JK Cement Works Mohan Bari Road Jhardi - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 05/01/2023 to 06/01/2023
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

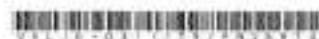
S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	71.3	65.2	dB(A)
2.	L _{min}	IS 9989	41.6	35.1	dB(A)
3.	L _{eq}	IS 9989	61.28	48.39	dB(A)
4.	CPCB Limits in dB(A) [*] L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/03	Report No.:	VEL/N/2301230018
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharli - 124106 Distt - Jhujjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 06/01/2023 to 07/01/2023
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	66.9	60.7	dB(A)
2.	Lmin	IS 9989	45.2	38.9	dB(A)
3.	Leq	IS 9989	56.89	49.18	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

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Vardan EnviroLab

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

Sample Number:	VEL/N/04	Report No.:	VEL/N/2301230020
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 06/01/2023 to 07/01/2023
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	62.5	58.4	dB(A)
2.	L _{min}	IS 9989	46.9	40.8	dB(A)
3.	L _{eq}	IS 9989	55.58	51.68	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/05	Report No.:	VEL/N/2301230015
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/03
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/01/2023 to 20/01/2023
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	65.6	60.2	dB(A)
2.	L _{min}	IS 9989	48.9	37.7	dB(A)
3.	L _{eq}	IS 9989	56.28	51.35	dB(A)
4.	CPCB Limits in dB(A) [*] L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/06	Report No.:	VEL/N/2301230017
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Gate No - 2
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 19/01/2023 to 20/01/2023
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	74.6	69.2	dB(A)
2.	L _{min}	IS 9989	47.8	43.1	dB(A)
3.	L _{eq}	IS 9989	61.39	55.08	dB(A)
4.	CPCB Limits in dB(A) [*] L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/07	Report No.:	VEL/N/2301230019
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.:	4609082079
		Dated:	16.05.2022
		Reporting Date:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative(Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 20/01/2023 to 21/01/2023
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	73.3	68.1	dB(A)
2.	L _{min}	IS 9989	53.9	45.2	dB(A)
3.	L _{eq}	IS 9989	64.19	56.48	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/08	Report No.:	VEL/N/2301230021
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 20/01/2023 to 21/01/2023
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	74.0	66.8	dB(A)
2.	L _{min}	IS 9989	53.7	42.3	dB(A)
3.	L _{eq}	IS 9989	62.79	53.47	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/01	Report No.:	VEL/N/2302220014
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/02/2023 to 05/02/2023
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	65.8	57.8	dB(A)
2.	Lmin	IS 9989	44.5	37.6	dB(A)
3.	Leq	IS 9989	57.12	51.69	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.



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Test Report

Sample Number:	VEL/N/05	Report No.:	VEL/N/2302220015
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 18/02/2023 to 19/02/2023
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	68.1	61.8	dB(A)
2.	Lmin	IS 9989	47.3	35.4	dB(A)
3.	Leq	IS 9989	54.76	49.72	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 (Hr)
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Test Report

Sample Number:	VEL/N/02	Report No.:	VEL/N/2302220016
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
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	: 04/02/2023 to 05/02/2023
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

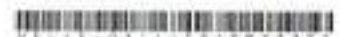
S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	Lmax	IS 9989	63.5	58.9	dB(A)
2.	Lmin	IS 9989	40.1	34.7	dB(A)
3.	Leq	IS 9989	59.04	47.68	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number:	VEL/N/06	Report No.:	VEL/N/2302220017
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
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	: Intermittent Rain
Date of Monitoring	: 18/02/2023 to 19/02/2023
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	72.4	66.2	dB(A)
2.	L _{min}	IS 9989	45.6	40.8	dB(A)
3.	L _{eq}	IS 9989	63.77	57.12	dB(A)
4.	CPCB Limits in dB(A) ¹ L _{eq} (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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/03	Report No.:	VEL/N/2302220018
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 05/02/2023 to 06/02/2023
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	69.2	58.5	dB(A)
2.	Lmin	IS 9989	41.8	36.6	dB(A)
3.	Leq	IS 9989	61.44	53.87	dB(A)
4.	CPCB Limits in dB(A) ¹ 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/N/07	Report No.:	VEL/N/2302220019
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jhajar - 124106 Distt - Jhajar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated-	16.05.2022
		Reporting Date:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Ravi)
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	: 19/02/2023 to 20/02/2023
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	74.6	64.7	dB(A)
2.	L _{min}	IS 9989	55.4	43.1	dB(A)
3.	L _{eq}	IS 9989	65.87	55.16	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.



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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/N/2302220020
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 27/02/2023
Period of Analysis: 22/02/2023 to 27/02/2023
Receipt Date: 22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative(Ravi)
Sampling Location : Near Wagon Tippler
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Intermittent Rain
Date of Monitoring : 05/02/2023 to 06/02/2023
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	64.7	54.8	dB(A)
2.	L _{min}	IS 9989	51.3	39.4	dB(A)
3.	L _{eq}	IS 9989	56.76	50.34	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.



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/N/08	Report No.:	VEL/N/2302220021
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:	27/02/2023
		Period of Analysis:	22/02/2023 to 27/02/2023
		Receipt Date:	22/02/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative(Ravi)
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	19/02/2023 to 20/02/2023
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	71.2	65.5	dB(A)
2.	Lmin	IS 9989	52.9	45.8	dB(A)
3.	Leq	IS 9989	60.26	55.78	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/N/01 Report No.: VEL/N/2303220014
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: 27/03/2023
Period of Analysis: 22/03/2023 to 27/03/2023
Receipt Date: 22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
Sample collected by : VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location : Near Gate No - 1
Instrument Used : Sound Level Meter
Instrument Code : VEL/S/SLM/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 to 05/03/2023
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	67.9	58.3	dB(A)
2.	L _{min}	IS 9989	46.1	39.1	dB(A)
3.	L _{eq}	IS 9989	59.36	50.33	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.



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Test Report

Sample Number:	VEL/N/05	Report No.:	VEL/N/2303220015
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Gate No - 1
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 18/03/2023 to 19/03/2023
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.	L _{max}	IS 9989	64.6	56.4	dB(A)
2.	L _{min}	IS 9989	44.5	36.7	dB(A)
3.	L _{eq}	IS 9989	55.34	48.82	dB(A)
4.	CPCB Limits in dB(A) ¹ L _{eq} (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/N/02	Report No.:	VEL/N/2303220016
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
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	: 04/03/2023 to 05/03/2023
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	61.2	55.6	dB(A)
2.	L _{min}	IS 9989	41.8	33.9	dB(A)
3.	L _{eq}	IS 9989	57.69	46.25	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.



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Test Report

Sample Number:	VEL/N/06	Report No.:	VEL/N/2303220017
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
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	: Intermittent Rain
Date of Monitoring	: 18/03/2023 to 19/03/2023
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	70.5	62.1	dB(A)
2.	L _{min}	IS 9989	49.2	41.3	dB(A)
3.	L _{eq}	IS 9989	61.58	56.19	dB(A)
4.	CPCB Limits in dB(A) ¹ L _{eq} (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/N/03 Report No.: VEL/N/2303220018
 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: 27/03/2023
 Period of Analysis: 22/03/2023 to 27/03/2023
 Receipt Date: 22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative : Mr. Kapil Agrawal (Unit Head)
 Sample collected by : VardanEnviroLab Representative(Mukesh Chandra)
 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 : 05/03/2023 to 06/03/2023
 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	65.4	57.1	dB(A)
2.	L _{min}	IS-9989	42.6	37.4	dB(A)
3.	L _{eq}	IS-9989	60.04	52.41	dB(A)
4.	CPCB Limits in dB(A ¹) L _{eq} (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/N/07	Report No.:	VEL/N/2303220019
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location	: Railway Line Side
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 19/03/2023 to 20/03/2023
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	73.2	65.5	dB(A)
2.	L _{min}	IS 9989	52.6	44.8	dB(A)
3.	L _{eq}	IS 9989	64.55	54.28	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.



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Test Report

Sample Number:	VEL/N/04	Report No.:	VEL/N/2303220020
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
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	05/03/2023 to 06/03/2023
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	62.5	53.2	dB(A)
2.	Lmin	IS 9989	50.6	38.5	dB(A)
3.	Leq	IS 9989	54.72	48.76	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.



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Test Report

Sample Number:	VEL/N/08	Report No.:	VEL/N/2303220021
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:	27/03/2023
		Period of Analysis:	22/03/2023 to 27/03/2023
		Receipt Date:	22/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative	: Mr. Kapil Agrawal (Unit Head)
Sample collected by	: VardanEnviroLab Representative(Mukesh Chandra)
Sampling Location	: Near Wagon Tippler
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/S/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Intermittent Rain
Date of Monitoring	: 19/03/2023 to 20/03/2023
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	72.8	61.6	dB(A)
2.	L _{min}	IS 9989	48.4	44.7	dB(A)
3.	L _{eq}	IS 9989	63.45	53.15	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.



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J.K.CEMENT WORKS, JHARLI
AMBIENT AIR QUALITY MONITORING DATA FOR FUGITIVE EMISSION
(QUARTERLY AVERAGE $\mu\text{g}/\text{M}^3$)
FY 2022-23 (Oct-22-March-23)

MONTH	Packing Plant	Fly Ash Silo	Unloading Area	Near Cement Mill
Oct-22	457.66	556.89	469.74	572.34
Jan-23	351.81	387.77	412.09	479.22
Average	404.7	472.3	440.9	525.8



Test Report

Sample Number:	VEL/JKCW/F/01	Report No.:	VEL/F/2210160001
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:	20/10/2022
		Period of Analysis:	16/10/2022 to 20/10/2022
		Receipt Date:	16/10/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Packing Plant
Date of Monitoring	: 15/10/2022
Instrument Used	: RDS
Instrument ID	: VEL/RDS/06
Timing of Monitoring	: 11:00 AM to 07:00 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 24°C Max. 36°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	457.66	µg/m ³	5000

End of Report



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/F/02	Report No.:	VEL/F/2210160002
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:	20/10/2022
		Period of Analysis:	16/10/2022 to 20/10/2022
		Receipt Date:	16/10/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	VardanEnviroLab Representative
Sampling Location	Fly Ash Site
Date of Monitoring	15/10/2022
Instrument Used	RDS
Instrument ID	VEL/RDS/07
Timing of Monitoring	07:45 PM to 03:45 AM
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Min. 24°C Max. 36°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	556.89	µg/m ³	5000

End of Report



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Vardan EnviroLab

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

Test Report

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

Report No.: VEL/F/2210160003
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 20/10/2022
Period of Analysis: 16/10/2022 to 20/10/2022
Receipt Date: 16/10/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by : VardanEnviroLab Representative
Sampling Location : Unloading Area
Date of Monitoring : 15/10/2022
Instrument Used : RDS
Instrument ID : VEL/RDS/08
Timing of Monitoring : 09:35 AM to 05:35 PM
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Ambient Temperature (°C) : Min. 24°C Max. 36°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	469.74	µg/m ³	5000

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Test Report

Sample Number:	VEL/ JKCW/F/04	Report No.:	VEL/F/2210160004
Name & Address of the Party:	M/s JK Cement Works Mehlan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	20/10/2022
		Period of Analysis:	16/10/2022 to 20/10/2022
		Receipt Date:	16/10/2022

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Near Cement Mill
Date of Monitoring	: 15/10/2022
Instrument Used	: RDS
Instrument ID	: VEL/RDS/09
Timing of Monitoring	: 07:00 PM to 03:00 AM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 24°C Max. 36°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	572.34	µg/m ³	5000

End of Report



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Vardan EnviroLab

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

Test Report

Sample Number: VEL/A/33
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2301230022
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Packing Plant
Date of Monitoring	: 21/01/2023
Instrument Used	: RDS
Instrument ID	: VEL/RDS/07
Timing of Monitoring	: 10:25 AM to 06:25 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 11°C Max. 25°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)	VEL/ENV/STP 104, Issue No.-01 20/06/2022	351.48	µg/m ³	5000

End of Report



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/A/34	Report No.:	VEL/A/2301230023
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:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	Fly Ash Site
Date of Monitoring	21/01/2023
Instrument Used	RDS
Instrument ID	VEL/RDS/08
Timing of Monitoring	10:55 AM to 06:55 PM
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Min. 11°C Max. 25°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)	VEL/ENV/STP/104, Issue No-01 20/08/2022	387.77	µg/m ³	5000

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Vardan EnviroLab

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

Test Report

Sample Number: VEL/A/35
Name & Address of the Party: M/s JK Cement Works
Mohar Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)

Report No.: VEL/A/2301230024
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location	: Unloading Area
Date of Monitoring	: 21/01/2023
Instrument Used	: RDS
Instrument ID	: VEL/RDS/09
Timing of Monitoring	: 11:25 AM to 7:25 PM
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 11°C Max. 25°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)	VEL ENV-STP/164, Issue No.-01 20/06/2022	412.09	µg/m ³	5000

End of Report



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Vardan EnviroLab

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

Test Report

Sample Number: VEL/A/36
Name & Address of the Party: M/s JK Cement Works
Mohan Bari Road Jharli - 124106
Distt - Jhajjar (HARYANA)
Report No.: VEL/A/2301230025
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022
Reporting Date: 27/01/2023
Period of Analysis: 23/01/2023 to 27/01/2023
Receipt Date: 23/01/2023

Sample Description: FUGITIVE DUST MONITORING

General Information:-

Sample collected by : VardanEnviroLab Representative (Mukesh Chandra)
Sampling Location : Near Cement Mill
Date of Monitoring : 21/01/2023
Instrument Used : RDS
Instrument ID : VEL/RDS/10
Timing of Monitoring : 6:30 PM to 2:30 AM
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Ambient Temperature (°C) : Min. 11°C Max. 25°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)	VEL/ENV/STP/164, Issue No.-01 20/06/2022	479.22	µg/m ³	5000

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J.K.CEMENT WORKS, JHARLI

Stack Emission Monitoring (mg/Nm³) of Oct-22 to March-23

Sr.No.	Location							
		Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Average
1	CEMENT MILL	6.10	5.98	6.11	5.90	5.90	4.30	5.72



Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/2210170001
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.:	4690082079
		Dated:	16.05.2022
		Reporting Date:	21/10/2022
		Period of Analysis:	17/10/2022 to 21/10/2022
		Receipt Date:	17/10/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	Mr. Kapil Agrawal (Unit Head)
Sample collected by	Vardan EnviroLab Representative
Sampling Date	16/10/2022
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)	6.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	6.10	mg/Nm ³



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/JKCW/ST/01	Report No.:	VEL/ST/22/1210001
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road, Jharkh - 124106 Distt - Jhajjar (Haryana)	Format No.:	J.B.F-03
		Party Reference No.:	4600082079
		Issued-:	16.05.2022
		Reporting Date:	15/11/2022
		Period of Analysis:	11/11/2022 to 15/11/2022
		Receipt Date:	11/11/2022

Sample Description- STACK EMISSION MONITORING

General Information:-

Client Representative	Mr. Akhilesh
Sample collected by	Vardan EnviroLab Representative (Mukesh Chandray)
Sampling Date	19/11/2022
Sampling Location	Boiler Area Near Bag House
Sampling Duration (Minutes)	33.0
Stack Attachment	Bag Filter 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)	29.0
Temperature of Stack Gases-Ts (°C)	98.0
Velocity of Stack Gases (m/sec)	9.20
Flow rate of PM (LPM)	29.0
Flow rate of Gas (LPM)	2.0
Sampling Condition	Isokinetic
Protocol Used	IS-12556 & CPCB Guideline
Oscacity Meter Reading During Monitoring (m/sec/Nm ³)	6.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1	Particulate Matter (PM10)	IS-12556 (PM10)	5.96	mg/Nm ³



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/S/01	Report No.:	VEL/S/2212190012
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:	23/12/2022
		Period of Analysis:	19/12/2022 to 23/12/2022
		Receipt Date:	19/12/2022

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	Mr. Akhilesh
Sample collected by	VardanEnviroLab Representative(Mukesh Chandra)
Sampling Date	16/12/2022
Sampling Location	Boiler Area Near Bag House
Sampling Duration (Minutes)	33.0
Stack Attached to	Ball Mill Bag house or Separator Bag house
Metreological Condition	Clear Sky
Instrument Calibration Status	OK
Height of Stack	43.0 mtr
Diameter of Stack	2 mtr
Ambient Temperature-Ta (°C)	23.9
Temperature of Stack Gases-Ts (°C)	95.0
Velocity of Stack Gases (m/sec.)	9.80
Flow rate of PM (LPM)	29.0
Flow rate of Gas (LPM)	2.0
Sampling Condition	Isokinetic
Protocol Used	IS : 11255& CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	6.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	6.11	mg/Nm ³



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Vardan EnviroLab

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

Test Report

Sample Number:	VEL/S/01	Report No.:	VEL/S/2301230010
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:	16.05.2023
		Reporting Date:	27/01/2023
		Period of Analysis:	23/01/2023 to 27/01/2023
		Receipt Date:	23/01/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Akhilesh
Sample collected by	: Vardan EnviroLab Representative (Mukesh Chandra)
Sampling Date	: 20/01/2023
Sampling Location	: Boiler Area Near Bag House
Sampling Duration (Minutes)	: 33.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metreological Condition	: Clear Sky
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 23.0
Temperature of Stack Gases-Ts (°C)	: 95.0
Velocity of Stack Gases (m/sec.)	: 9.80
Flow rate of PM (LPM)	: 29.0
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)	5.0	mg/Nm ³



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Test Report

Sample Number:	VEL/S/01	Report No.:	VEL/S/2302230005
Name & Address of the Party:	M/s JK Cement Works Mohan Bari Road Jharkli - 124106 Dist - Jhajjar (Haryana)	Format No.:	7.8 F-03
		Party Reference No.:	4600082079
		Dated:	16.05.2022
		Reporting Date:	27/02/2023
		Period of Analysis:	23/02/2023 to 27/02/2023
		Receipt Date:	23/02/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Akhilesh
Sample collected by	: VardanEnviroLab Representative (Ravi)
Sampling Date	: 21/02/2023
Sampling Location	: Boiler Area Near Bag House
Sampling Duration (Minutes)	: 33.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Intermittent Rain
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 23.0
Temperature of Stack Gases-Ts (°C)	: 95.0
Velocity of Stack Gases (m/sec.)	: 9.80
Flow rate of PM (LPM)	: 29.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS:11255& CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 6.0

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	5.9	mg/Nm ³



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Test Report

Sample Number:	VEL/S/01	Report No.:	VEL/S/2303270905
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.:	4609082079
		Dated:	16.05.2022
		Reporting Date:	31/03/2023
		Period of Analysis:	17/03/2023 to 31/03/2023
		Receipt Date:	17/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Client Representative	: Mr. Akhilesh
Sample collected by	: VardanEnviroLab Representative (Mukesh Chandra)
Sampling Date	: 24/03/2023
Sampling Location	: Boiler Area Near Bag House
Sampling Duration (Minutes)	: 37.0
Stack Attached to	: Ball Mill Bag house or Separator Bag house
Metrological Condition	: Intermittent Rain
Instrument Calibration Status	: OK
Height of Stack	: 43.0 mtr
Diameter of Stack	: 2 mtr
Ambient Temperature-Ta (°C)	: 27.0
Temperature of Stack Gases-Ts (°C)	: 98.0
Velocity of Stack Gases (m/sec.)	: 10.20
Flow rate of PM (LPM)	: 27.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS:11255& CPCB Guideline
Opacity Meter Reading During Monitoring(mg/Nm ³)	: 4.3

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS:11255 (P-1)	4.3	mg/Nm ³



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JK Cement Works, Jharli
STP Analysis Report October-2022 to March-2023

STP Outlet Analysis Report December-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)	7.24	--	5.5-9.0	5.5-9.0	5.5-9.0
2	COD	60.87	mg/l	250	--	--
3	BOD (3 Days at 27 °C)	26.18	mg/l	30	350	100
4	Total Suspended Solid	12	mg/l	100	600	200
5	Oil & Grease	0.5	mg/l	10	20	10

STP Outlet Analysis Report March-2023

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)	7.24	--	5.5-9.0	5.5-9.0	5.5-9.0
2	COD	60.87	mg/l	250	--	--
3	BOD (3 Days at 27 °C)	26.18	mg/l	30	350	100
4	Total Suspended Solid	12	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 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/WW/01	Report No.:	VEL/WW/2212160001
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
Sample Description:	Sewage Water (STP Inlet)	Reporting Date:	20/12/2022
Sampling Location:	STP Plant	Period of Analysis:	16/12/2022 to 20/12/2022
Sample Collected by:	VardanEnviroLab Representative(Mukesh Chandra)	Receipt Date:	16/12/2022
Parameter Required:	As per Work Order	Sampling Date:	14/12/2022
Analysis Protocol:	APHA	Preservation:	Refrigerated
		Sampling Quantity:	2.0 Ltr

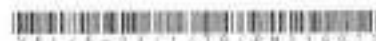
TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (P-11)	7.72	—
2.	COD	APHA, 5220 B Open Reflux Method	168.47	mg/L
3.	BOD (3 Days at 27 °C)	IS 3025 (P-44)	43.59	mg/L
4.	Total Suspended Solids	IS: 3025 (P-17)	58.00	mg/L
5.	Oil and Grease	Clause No-5 of IS:3025 (P-39)	6.00	mg/L



Terms & Conditions

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- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with Suffix A-Annexed Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Vardan EnviroLab

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

Test Report

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

Report No.: VEL/WW/2212160002
Format No.: 7.8 F-03
Party Reference No.: 4600082079
Dated- 16.05.2022

Reporting Date: 20/12/2022
Period of Analysis: 16/12/2022 to 20/12/2022
Receipt Date: 16/12/2022
Sampling Date: 14/12/2022
Preservation: Refrigerated

Sample Description: Sewage Water (STP Outlet)
Sampling Location: STP Plant
Sample Collected by: VardanEnviroLab Representative(Mukesh Chandra)

Parameter Required: As per Work Order
Analysis Protocol: IS 3025, APHA

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)	IS:3025 (P-11)	7.24	--	5.5-9.0	5.5-9.0	5.5-9.0
2.	COD	APHA, 5220 B Open Reflux Method	60.87	mg/L	250	--	--
3.	BOD (5 Days at 27°C)	IS: 3025 (P-44)	26.18	mg/L	30	350	100
4.	Total Suspended Solid	IS: 3025 (P-17)	12.00	mg/L	100	600	200
5.	Oil & Grease	Clause No-5 of IS:3025 (P-39)	0.50	mg/L	10	20	10



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
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- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VEL/WW/01	Report No.:	VEL/WW/2303270008
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:	31/03/2023
		Period of Analysis:	27/03/2023 to 31/03/2023
Sample Description:	Sewage Water (STP Inlet)	Receipt Date:	27/03/2023
Sampling Location:	STP Plant	Sampling Date:	25/03/2023
Sample Collected by:	VardanEnviroLab Representative(Mukesh Chandra)	Preservation:	Refrigerated
Parameter Required:	As per Work Order	Sampling Quantity:	2.0 Ltr
Analysis Protocol:	APHA		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (P-11)	7.23	-
2.	COD	APHA, 5220 B Open Reflux Method	135.47	mg/L
3.	BOD (3 Days at 27 °C)	IS 3025 (P-44)	40.66	mg/L
4.	Total Suspended Solids	IS: 3025 (P-17)	44.00	mg/L
5.	Oil and Grease	Clause No-5 of IS:3025 (P-39)	5.33	mg/L



Terms & Conditions

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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- This report no. with Sd/- & Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission of the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances the lab accepts any liability caused by the use or misuse of the test report.





Test Report

Sample Number:	VEL/WW/02	Report No.:	VEL/WW/2303270009
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
Sample Description:	Sewage Water (STP Outlet)	Reporting Date:	31/03/2023
Sampling Location:	STP Plant	Period of Analysis:	27/03/2023 to 31/03/2023
Sample Collected by:	VardanEnviroLab Representative(Mukesh Chandra)	Receipt Date:	27/03/2023
		Sampling Date:	25/03/2023
Parameter Required:	As per Work Order	Preservation:	Refrigerated
Analysis Protocol:	IS 3025, APHA	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)	IS:3025 (P-11)	7.15	—	5.5-9.0	5.5-9.0	5.5-9.0
2.	COD	APHA, 5220 B Open Reflux Method	68.35	mg/L	250	—	—
3.	BOD (3 Days at 27°C)	IS 3025 (P-44)	23.68	mg/L	30	350	100
4.	Total Suspended Solid	IS: 3025 (P-17)	16.00	mg/L	100	600	200
5.	Oil & Grease	Clause No-5 of IS:3025 (P-39)	0.60	mg/L	10	20	10



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- To confirm the authenticity of this certificate of analysis, please contact us through email at lab@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. will Suffix A-Avoided Report.
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JHARLI

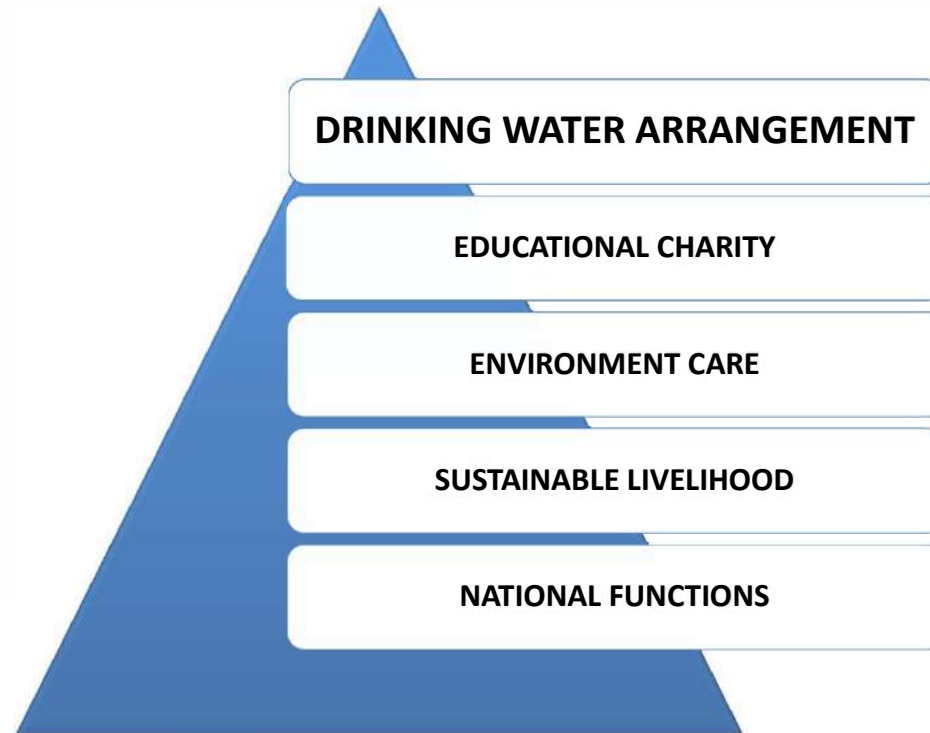
J K CEMENT WORKS, JHARLI

CSR ACITIVITES 2022-23



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.

Donation of AC to NGO Centre at Panipat



As a part of our CSR activities, J K Cement Works Jharli donated 10 no.1.5 Ton AC to a NGO Centre Shri Madhav Jan Sewa Nyas at Panipat on the orders of DC Jhajjar. Mr. Ashok Kumar, HR and Admin team member made the donation on behalf of Team Jharli.

Donation for TB (Tuberculosis) Patients



JK Cement Works Jharli has adopted 18 (Eighteen) Tuberculosis (TB) patients from Jharli and surrounding villages. Healthy Food packets shall be distributed by Team Jharli to the patients on monthly basis at Primary Health Centre (PHC) Birohar.



Donation for Gaushala



As a part of CSR activities, on the occasion of Makar Sankranti a group of Jharli team members visited Dada Mathurapuri Gaushala, Matanhail and Danveer Balla Jakhar 36 Khap Gaushala, Salhawas which contains about 3200 and 1000 cows and calves respectively and donated Rs. 1 Lakh to each Gaushala for the benefit of the animals on behalf of J. K. Cement Works Jharli.



ISO 9001:2015 Certified

SAFETY HEALTH CARE

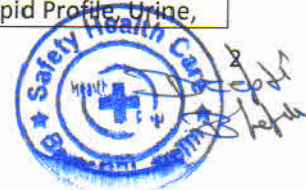
M/S J K CEMENT Works
Unit- J .K Cement Ltd. Mohanbari Road, Jharli Haryana
Periodical Medical Examination Of The Employees
Conducted By Safety Health Care
On 8th & 9th November 2022

10.	Sandeep	38	2200225/ Electrical	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
11.	Rajeev Aggarwal	39	3800174/ E & I	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
12.	Vishal Jain	41	13000990/ Commercial	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
13.	Ashish Khulve	40	13002173/ process	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
14.	Raju Singh	35	3740151/ Mechanical	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
15.	Manoj kr Dudi	33	13000301/ process	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
16.	Lokesh Maratha	40	13002435/ Mechanical	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
17.	Gopal Kesariya	30	ST-00979/ Logistic	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
18.	Moanoj Kr Verma	31	3800191/ Mechanical	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
19.	Amit Jhakar	38	3740148/ Utility	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine,

SAFETY HEALTH CARE

Employee's safety & healthcare at workplace

B-10, Tajpur Road, Badarpur Border, New Delhi – 110044 Mob. : 7982488517, 9717591112
E-mail : safetyhealthcare2@yahoo.com, deeptibhatiaa@gmail.com | www.safetyhealthcare.in



M/S J K CEMENT Works
Unit- J .K Cement Ltd. Mohanbari Road, Jharli Haryana
Periodical Medical Examination Of The Employees
Conducted By Safety Health Care
On 8th & 9th November 2022

				Digital Chest X-Ray
227.	Rakesh	23	Shree Ji-6000147	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
228.	Parmod	27	Shree Ji-6000100	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
229.	Vikas	26	Shree Ji-6000140	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
230.	Satpal	36	Shree Ji-6000019	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
231.	Ashish Meena	22	Shree Ji-6000156	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
232.	Sanjeev Kumar	31	Shree Ji-6000030	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
233.	Pradeep Kumar	35	Shree Ji-6000142	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
234.	Prem Kumar	39	Shree Ji-6000037	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
235.	Chottu Ram	49	Shree Ji-6000034	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine, Digital Chest X-Ray
236.	Sunil Kumar	38	Shree Ji-6000031	General Examination, Spirometry, Audiometry, Eye with Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine,





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

**JK SUPER
CEMENT**
BUILD SAFE

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/Nm ³)	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 of Deputy Commissioner, Jhajjar Memo No. 930/LFA Dated 20/06/2018.

The No. objection Certificate is issued with 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)

From Assistant Divisional Fire Officer/Fire Station Officer
Bahadurgarh

To **M/s JK CEMENT WORKS**
VILLAGE JHARLI TEHSIL MATAINHAIL DISTRICT JHAJJAR HARYANA
Memo No. FS/2023/224 dated : 03/05/2023

Subject: Renewal of Fire Safety Certificate 15 mtrs. and Above height from the fire Safety Point of View of the Group G- Industrial Building at VILLAGE JHARLI TEHSIL MATAINHAIL DISTRICT JHAJJAR HARYANA of JK CEMENT WORKS :

Reference to you online No 070452323000008 dated 25/03/2023 on the subject cited above.

Tower Name	Floor Detail	Height	Ground Coverage
Block A	G+7	41.170 mtrs	1762.904 SQM
Block B	G+2	42.50 mtrs	581.966 SQM
Block C	G+2	49.050 mtrs	1101.297 SQM
Block D	G+3	44.450 mtrs	228.653 SQM
Block E (2Nos Block)	GF	5.537 mtrs	706.014 SQM
Block F (2Nos Block)	GF	5.550 mtrs	9039.80 SQM
Block G	GF	5.550 mtrs	2364.45 SQM
Basement Level	Basement Area	Remarks	
NA	NA	NA	

Your site for the Renewal of the Fire Safety Certificate has been inspected by the Team of Fire Station Officers, **Bahadurgarh** from fire safety Point of View. The means of escape and Fire Protection system were checked and found as per the National Building Code of India, Part- IV guidelines.

In view of the satisfactory fire protection system / arrangement mentioned as above, this office has no objection for occupation from the Fire Safety point of view, with the following conditions:-

- 1) The owner/occupier shall keep duly trained Fire Staff in all three shifts.
- 2) The Fire Protection System tested during inspection shall be maintained properly & always should be in good working condition.
- 3) If any lapse is found in the fire protection system at the time of inspection or detected during outbreak of fire, action will be taken as per rules against you.
- 4) You are directed to apply for Renewal of Fire Safety Certificate in future before 2 month of expiry of your Fire Safety Certificate.
- 5) The open set back area is not checked at our end as it shall be checked by concerned building department.
- 6) The owner/occupier shall strictly follow the other applicable rules/ regulations/ byelaws laid down regarding fire safety system. If you fail to comply with any of the above terms & conditions you will be liable to be punished as per Section 30,31 & 47 of fire & Emergency Services Act 2022.
- 7) You have to perform quarterly Fire Drill in your building as per NBC with intimation to Fire Department and video graphy evidence to be kept as a record which shall be produced at the time of next Renewal; Officials/Residents/R.W.A. should be mentioned in the drill.
- 8) If the Infringements of Byelaws remains un- noticed the Authority reserves the right to amend the Fire Safety Certificate as and when any such Infringements comes to notice after giving an opportunity of being heard and the Authority shall stand Indemnified against any claim on this account.
- 9) The owner or occupier of the building shall give a self-declaration certificate annually to the effect that the fire fighting system installed in his building is working in good condition and there is no addition/alteration in the building. The Fire Officer may randomly check such building. In case there is any addition/alteration beyond permissible limits under the Haryana Building Code, 2017, the fire safety certificate shall cease to exist and the owner shall apply for approval of revised Fire Fighting Scheme as per the provisions of section 18.

The above Renewal of Fire Safety Certificate is valid for **Three** year from the date of issue of this letter Applying renewal of the same well in time shall be the responsibility of owner/occupier.

Remarks:- Approved



Fire Station Officer,

Bahadurgarh

Exercising the power of Director, Fire Services, Haryana



Digitally signed by RAJENDER
SINGH DAHIYA
Date: 2023.05.03 16:53:05 +05:30
Reason: Digital Verification

SINGLE USE PLASTIC BAN DISPLAYED AT VARIOUS LOCATIONS

