

JK Cement Works, Jharli A unit of JK Cement Ltd. CIN: L17229UP1994PLC017199

♠ Mohanbari Road, Jharli ≥124106, Distt. Jhajjar(Haryana) INDIA

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www.jkcement.com

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

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

Dated - 25th May, 2023

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,

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 Bahadurgrh, 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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Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka) Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)







# 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

No.	Condition	Reply				
1.	Particulate emission shall be controlled within 50 mg/Nm <sup>3</sup>	Being Com	plied.	7~		
	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.	Bag a on tted last points and particulate emi maintained well within prescribed air, fugitive and stack emissions mon is being submitted regularly to Regional Office at Chandigarh, SE HSPCB, Panchkula and CPCB. Copy reports are enclosed as Annexure-1.  Six monthly (October 2022-March 2 air monitoring Average report is given Results are in (μg/M³)  Location PM2.5 PM10 NOO L1 35.3 55.5 23.4 L2 34.2 55.1 24.6 L3 35.6 55.7 23.5 L4 34.9 53.9 23.6 Location:- L1- Near Gate-1, L2- Near		te emissic ribed lim is monitor y to the rh, SEIAA Copy of ure-1. arch 202: is given be NOx 23.4 24.6 23.5 23.6	on is be it. Ambi ring report Ministra Harya Monitor SO2 7.5 7.7 7.9 7.6	
		Location:- L1- Near Gate-1, L2- Near Gate Near railway line side and L4- Near Wagon ti  Six monthly (October 2022-March 2023) Mill Stack monitoring Average report is below:- Results are in (Mg/NM <sup>3</sup> )			ate -2, I	
		Six monthly Mill Stack below:-	/ (Octobe monitori	r 20 <mark>22-</mark> M ng Avera	arch 202	3) Ceme
		Six monthly Mill Stack below:- Results are i	Octobe monitori	r 2022-M ng Avera 1 <sup>(3</sup> )	arch 202 ge report	3) Ceme
		Six monthly Mill Stack below:- Results are i	Octobe monitori in (Mg/NM	r 2022-M ng Avera (1 <sup>3</sup> )	arch 202 ge report Mill	3) Ceme
		Six monthly Mill Stack below:- Results are i Location/M October 20	(Octobe monitoring In (Mg/NN Month	r 2022-M ng Avera M <sup>3</sup> ) Cement 6.1	arch 202 ge report	3) Ceme
		Six monthly Mill Stack below:- Results are i Location/M October 20 November	(Octobe monitorin in (Mg/NN Month 122 2022	r 2022-M ng Avera M <sup>3</sup> )  Cement 6.1 5.9	arch 202. ge report  Mill 0 8	3) Ceme
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		Six monthly Mill Stack below:- Results are i Location/M October 20 November December January 20 February 2 March 2022 Six monthly emission mogiven below: Results are in Location	(October monitoring of (µg/M³)	r 2022-M ng Average  M³)  Cement 5.9 6.1 5.9 4.3 2022 to M Quarterly  SPM	Mill 0 8 1 0 0 0 0 0 arch 2023	3) Ceme is giv
		Six monthly Mill Stack below:- Results are i  Location/M October 20 November December January 20 February 2 March 2022 Six monthly emission mogiven below: Results are in Location Packing Are	(October monitoring of (µg/M³)	r 2022-M ng Average  M³)  Cement 6.1 5.9 6.1 5.9 4.3 2022 to M Quarterly  SPM 404.7	Mill 0 8 1 0 0 0 0 0 arch 2023	3) Ceme is giv
		Six monthly Mill Stack below:- Results are i  Location/M October 20 November December January 20 February 2 March 2022 Six monthly emission mogiven below: Results are in Location Packing Are Fly Ash Silo	(October monitoring of (µg/M³)	Cement 6.1 5.9 6.1 5.9 4.3 2022 to M Quarterly SPM 404.7 472.3	Mill 0 8 1 0 0 0 0 0 arch 2023	3) Ceme is giv
		Six monthly Mill Stack below:- Results are i  Location/M October 20 November December January 20 February 2 March 2022 Six monthly emission mogiven below: Results are in Location Packing Are	(October monitoring (October monitoring (October mitoring multiple))	r 2022-M ng Average  M³)  Cement 6.1 5.9 6.1 5.9 4.3 2022 to M Quarterly  SPM 404.7	Mill 0 8 1 0 0 0 0 0 arch 2023	3) Ceme is giv

# 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.

Complied

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.







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.

Being Complied.

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.





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. Being Complied.

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.

# 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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7. Total ground water requirement for the Cement plant shall not exceed 300 m³/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 m³/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.

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/ reprocessors 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.





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

SK Expenditure oct 22 to Flaren 25				
S.	CSR Head	Amount in Rs.		
No.		Lakhs		

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		1	Drinking Water	1.74
		2	Educational Charity	0
		3	Environment	0.3
	V	4	Livelihood Promotion	2.33
		5	National Functions	0
		6	Infrastructure	<del></del>
		34	Development	25.01
			Total	29.38
	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.	1		
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	We have installed the STP of 60 KLD capacity for treatment of the sewage to the prescribed standard including odour and treated effluent is being recycled and reused in horticulture to achieve zero exit discharge.  STP installation has been certified by M/s Aper Water. Installed STP does not require filter backwash. STP water analysis report is attached a annexure-1		
14.	The sludge generated shall be treated and used as manure.		generated from STP is being nbelt/plantation.	used as manu

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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		expansior ried out v			
(iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by Ministry on 19th 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 we within prescribed standards notified by Ministry o 19th May, 1993. For results please refeannexure-1.				Ministry on
(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 <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> 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 have been established in consultation with the SPCB and regular monitoring has been carried out for parameter PM2.5, PM10, SO2, NOx. Monitoring report is being submitted regularly to SEIAA including Regional Office MoEF, GOI at Chandigarh the HSPC Panchkula once in six months. For results pleas refer annexure-1.				e SPCB and dout for ing reports including the HSPCB
(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):-				ng sources. regularly imit under nd 70 dBA
		Month	L1	L2	L3	L4
		Oct-2022	59.9/ 55.3	60.3/ 51.8	61.7/ 54.9	59.7/ 53.7
		Nov-2022	er expansion or modifications in the plant arried out without prior approval of the aryana.  Implied from process is being maintained well escribed standards notified by Ministry on y, 1993. For results please refere-1.  In poient air quality monitoring stations has blished in consultation with the SPCB and monitoring has been carried out for PM2.5, PM10, SO2, NOx. Monitoring reports submitted regularly to SEIAA including Office MoEF, GOI at Chandigarh the HSPCB as once in six months. For results please exerce-1.  In hood, silencers and enclosures etc. has yided at various noise generating sources. Noise monitoring is being done regularly ts are well within prescribed limit under so, 1989 viz. 75 dBA (daytime) and 70 dBA ne). Monthly average of ambient Noise ay/Night in dB):-  L1 L2 L3 L4  L1 L2 L3 L4  L2 59.9/ 60.3/ 61.7/ 59.7/ 55.3 51.8 54.9 53.7  L1 L2 L3 L4  L1 L2 L3 L4  L2 59.9/ 60.3/ 61.7/ 59.7/ 55.3 51.8 54.9 53.7  L1 Selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the process of the selection of the workers is one on a regular basis and records of the selection of the workers is one on a regular basis and records of the process			
		Dec-2022	58.8/	61.1/	59.9/	59.7/
		Jan-2023				
		Feb-2023				
		31-352	The second secon		100 mg	
		Mar-2023	59.7/	59.9/	56.2/	
			.1- Near	Gate-1, L	2- Near G	ate -2, L3-
(vi)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Near railway line side and L4- Near Wagon tippler  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			workers is d records al 290 nos	

# 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 to March-2023. Reports are annexure-3. 5 Nos of rain water harvesting pits along with 6 Nos The company shall develop at least three surface water (vii) injection well structure has been constructed for harvesting structures to harvest the rain water for utilization recharging the ground water. in the lean season besides recharging the ground water table. Photographs of Rainwater harvesting structures: -The Project proponent shall also comply with all the Being Complied (viii) Environmental protection measures and safeguards environmental protection measures and safeguards is being implemented as per recommended in recommended in the EIA/EMP report. Further the company EIA/EMP report. Socio- economic developmental must undertake socio-economic development activities in the community development surrounding villages like community activities like development programmes. programming and educational programmes, educational programming, drinking water drinking water supply and health care is being supply and health care etc. conducted regularly. For FY 2022-23 (up to Sep 22) Details please refer annexure-2. Amount in Rs. **CSR Head** S. No. Lakhs 1.74 **Drinking Water** 0 **Educational Charity** 2 0.3 3 Environment 2.33 Livelihood Promotion 1 0 National Functions 5 6 Infrastructure 25.01 Development 29.38 Total Complied As proposed Rs. 748 Lakh shall be earmarked towards capital (ix) cost and recurring cost /annum for environment pollution Status of EMP is given below: control measures and EMP to implement the conditions Capital Total Sr. Unit Recurring No. Cost stipulated by the SEIAA Haryana, as well. An implementation (Rs.in Cost Rs.

schedule for implementing all the conditions stipulated herein shall be submitted to the SEIAA, Haryana Regional

(Lacs)

from

Lakhs)

# J.K. Cement Ltd. At Village- Jharli, Tehsil Matanhail, District-Jhajjar(HR) (EC No. SEIAA/HR/2013/647 dated 04-09-2013) 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.		90%		Oct-22 Mar-23	to
	Shan not be diverted for any other purpose.	1.	APCM (Bag houses, Bag filters, Road sweeping machines,	560	8.31	100
		2.	Hazardous Waste shed	1	0	
		3	STP	37	1.7	
		4.	Monitoring Cost	10	1.8	
		Total	-	608	11.81	
(x)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Parisha JKJharli Urban I	er has been sent d/Municipal /Env/135 dat Local Body and ready been di	Corporation ted 11th, State the local N	on, Letter September GO vide .EC	20 let
(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; PM2.5, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be	EC compliance report including results monitored data is being uploaded on the company website regularly and the same has been submitted to SEIAA, Haryana, Regional Office of Mole Chandigarh and HSPCB, Panchkula regular Critical sectorial parameters has been monitor and displayed at Main gate of Company in the public domain.				
	monitored and displayed at a convenient location near the main gate of the company in the public domain.					
(xii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA Haryana, Regional Office of MoEF, GoI at Chandigarh/HSPCB shall monitor the stipulated conditions.	data is Region HSPCB, yearly Dated (	arly compliances submitted real Office of Me Panchkula in Compliance rep On 25th Nov.202	egularly to oEF, GoI a hard and s oort was sul 2 Ref No. JK	SEIAA Hat Chandigan oft copy. Laboritted vide [Jharli/PC-0	rya rh a st h e let 1/9
(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.	being   State I display SEIAA Chandi report Letter	nmental Stater prepared and Pollution Control ed on the Con Haryana and regarh by e-ma for FY 2021-2 No. JKJharli/P	submitted rol Board. mpany's we egional offi ail. Enviro 22 has bee PC-01/945	to the con- The same ebsite and sice of the M nment Staten submitte	bei sent oEF temo

# 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

	in the little period from occording	Total to Midion 2020 Dated 25:05:2025
(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
(0)	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 <b>Annexure-5</b>

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

# J.K.CEMENT WORKS, JHARLI AMBIENT AIR QUALITY MONITORING DATA FOR PM2.5

(MONTHLY AVERAGE µg/M³) FY 2022-23 (Oct-22-March-23)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPPLER
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

	32.6	37.4	39.0	29.9
	37.7	34.8	31.3	39.8
	30.1	37.6	35.1	33.0
Mar-23	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
	38.1	33.5	29.5	36.3
	31.7	34.6	37.5	32.8
Average	35.3	34.2	35.6	34.9

# J.K.CEMENT WORKS, JHARLI AMBIENT AIR QUALITY MONITORING DATA FOR PM10

# (MONTHLY AVERAGE μg/M³) FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON
MONTH	NEAR GATE NOT	NEAR GATE NO 2	RAILWATLOINE SIDE	TIPPLER
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 µg/M³)

FY 2022-23 (April-Sept-22)

MONTH	NEAR GATE NO 1	NEAR GATE NO 2	RAILWAYLOINE SIDE	NEAR WAGON TIPPLER
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

	26.1	19.9	26.8	21.7
Dec-22	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
	24.2	22.6	25.2	24.5
Jan-23	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
	22.6	24.5	29.5	21.9
Feb-23	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
	25.5	27.9	19.8	24.6
Mar-23	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
	27.0	24.1	18.0	23.6
Average	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

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 μg/M³) 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 Trippler	34.9	53.9	23.6	7.6

Sample Number:

VEL/JKCW/A/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210090001

Format No.: Party Reference No.: 7.8 F-03 4600082079

Dated- 16,05,2022

14/10/2022

Reporting Date: 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 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

03/10/2022 to 04/10/2022

24.0 hours

Min. 26.0°C Max. 38.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25, PM30, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24), Gravimetric Method	31.24	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	53.23	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	24.41	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7,39	μg/m³	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 NEN

#### Terms & Conditions

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Sample Number:

VEL/JKCW/A/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210090002

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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 : Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

03/10/2022 to 04/10/2022

24.0 hours

: Min. 26.0°C Max. 38.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM2.5, PM10, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	32.54	μg/m³	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23), Gravimetric Method	50.75	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	29.22	µg/m³	80
4,	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	7.32	µg/m³	80

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

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Sample Number:

VEL/JKCW/A/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.:

VEL/A/2210090003

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

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

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Clouds

04/10/2022 to 05/10/2022

24.0 hours

Min. 27.0°C Max. 36.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2.3. PM10, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	1S:5182(P-24), Gravimetric Method	30.48	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	52.25	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.62	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	8.24	μg/m³	80

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

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Sample Number:

VEL/JKCW/A/04

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210090004

Format No.:

7.8 F-03

4600082079 Party Reference No.:

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

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

: Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Intermittent Clouds

04/10/2022 to 05/10/2022

24.0 hours

: Min. 27.0°C Max. 36.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: 1S-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	IS:5182(P-24), Gravimetric Method	29.28	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	48.23	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.63	μg/m³	80
4.	Sulphur Dioxide (SO <sub>1</sub> )	IS: 5182 (P-2), Modified West and Gacke	7.26	μg/m <sup>3</sup>	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

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Sample Number:

VEL/JKCW/A/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210090005

Format No.:

7.8 F-03

Party Reference No.:

4600082079 Dated- 16.05.2022

Reporting Date:

14/10/2022

Period of Analysis:

10/16/2022 to 14/10/2022

Receipt Date:

10/10/2022

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)

: Vardan EnviroLab Representative

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Intermittent Rain

06/10/2022 to 07/10/2022

: 24.0 hours

Min. 25.0°C Max. 29.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM in NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	1S:5182(P-24), Gravimetric Method	34.31	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	54.23	µg/m³	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.39	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	6.29	μg/m³	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

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Sample Number:

VEL/JKCW/A/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210090006

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

: Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Intermittent Rain

06/10/2022 to 07/10/2022

24.0 hours

: Min. 25.0°C Max. 29.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM23, PM30, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	33.25	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	51.23	µg/m³	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6), Jacob & Hochheiser	20.24	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2), Modified West and Gaeke	7.62	µg/m³	80

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

SOP Laboratory Standard Operating Procedure MEND

## Terms & Conditions

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Giving opinions does not imply endorsement of the tasked sample by the lab. Under no chromatances, the lab accepts any liability coursed by the use or misuse of the last report.



Sample Number:

VEL/JKCW/A/07

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2210090007

Format No .: Party Reference No.: 7.8 F-03

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

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

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

07/10/2022 to 08/10/2022

24.0 hours

: Min. 24.0°C Max. 29.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

PM2.5 PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM2.3)	IS:5182(P-24), Gravimetric Method	33.38	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	51.78	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.47	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	7.15	μg/m³	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 EN

## Terms & Conditions

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The report no. with Suffix A-Amended Report.

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Sample Number:

VEL/JKCW/A/08

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2210090008

Format No.: Party Reference No.:

7.8 F-03 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

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

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Intermittent Rain

07/10/2022 to 08/10/2022

24.0 hours

Min. 24.0°C

Max. 29.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: IS-5182& CPCB Guideline

: PM25, PM10, NO2, SO2

# TEST RESULTS

S. No.	Parameter Parameter	Protocol	Result	Thete	NAAQS*
				Unit	Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	39.63	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	48.25	μg/m³	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6), Jacob & Hochheiser	26.48	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7.12	ug/m <sup>3</sup>	80

\*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11,2009.

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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 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

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

: 1S-5182 & CPCB Guideline

: PM24 PM10 NO2 SO2

#### TEST RESULTS

				all section in	NAAQS*
S. No.	Parameter	Protocol	Result	Unit	Limit
The second	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	36,29	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	57.58	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.64	μg/m³	80
4	Sulphur Dioxide (SO+)	1S: 5182 (P-2), Modified West and Gacke	7.18	μg/m²	80

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

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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)

Scope of Monitoring

Surrounding Activity

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<sub>25</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	30.28	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	54.85	μg/m <sup>7</sup>	100
3	Nitrogen Dioxide (NO2)	IS: 5182 (P-6), Jacob & Hochheiser	18.42	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7,76	μg/m³	80

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

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Sample Number:

VEL/JKCW/A/11

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210160011

7.8 F-03 Format No.:

4600082079

Party Reference No.:

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

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Clouds

11/10/2022 to 12/10/2022

24.0 hours

Min. 23.0°C Max. 32.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
15	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24), Gravimetric Method	35.66	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	52.22	μg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	26.44	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7.78	µg/m³	80

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

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Sample Number:

VEL/JKCW/A/12

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210160012

Dated- 16.05.2022

Format No.:

7.8 F-03

Party Reference No.:

4600082079

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Intermittent Clouds

11/10/2022 to 12/10/2022

· 24.0 hours

Min. 23.0°C Max. 32.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

· Ves

1S-5182 & CPCB Guideline

: PM25, PM10, NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
ATTENDANCE OF THE PARTY OF THE	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	34.64	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	62.24	μg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	25.83	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7.88	μg/m³	80

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

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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

: 1S-5182 & CPCB Guideline

PM23, PM38, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	33.47	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	58.45	µg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	22.32	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	7.87	μg/m³	80

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

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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

Dated- 16.05.2022

Format No.:

7.8 F-03

Party Reference No.: 4600082079

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

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

: PM2+ PM10 NO: SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I.	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24), Gravimetric Method	31.11	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	54.21	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.48	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	7.56	μg/m <sup>3</sup>	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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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

Dated- 16.05.2022

Format No.:

7.8 F-03

Party Reference No .:

4600082079

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

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

14/10/2022 to 15/10/2022

: 24.0 hours

Min. 24.0°C Max. 36.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

# TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24), Gravimetric Method	37.54	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	55.34	µg/m²	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.53	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	8.45	μg/m³	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

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Sample Number:

VEL/JKCW/A/16

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210160016

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Clear Sky

14/10/2022 to 15/10/2022

24 0 hours

Min. 24.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

1S-5182 & CPCB Guideline

: PM2.5 PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24), Gravimetric Method	31.45	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	56.25	μg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	26.74	µg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2), Modified West and Gaeke	8.05	μg/m³	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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Sample Number:

VEL/JKCW/A/17

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210230017

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

17/10/2022 to 18/10/2022

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

: PM25 PM18 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.1</sub> )	IS:5182(P-24), Gravimetric Method	36.54	μg/m³	60
2.	Particulate Matter (PM 10)	18: 5182 (P-23), Gravimetric Method	51.77	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hockheiser	26.26	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2), Modified West and Gaeke	7.87	µg/m³	80

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

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Sample Number:

VEL/JKCW/A/18

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210230018

Format No .:

7.8 F-03 4600082079

Party Reference No.:

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 Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

17/10/2022 to 18/10/2022

24.0 hours

Min. 24.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

PM<sub>25</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM <sub>28</sub> )	IS:5182(P-24), Gravimetric Method	32.42	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	54.24	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob &Hochheiser	25.35	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	8.87	μg/m³	80

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

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Sample Number:

VEL/JKCW/A/19

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210230019

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

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

18/10/2022 to 19/10/2022

24.0 hours

Min. 24.0°C Max. 36.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24), Gravimetric Method	27.22	μg/m³	60
2	Particulate Matter (PM m)	15: 5182 (P-23), Gravimetric Method	52.54	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob &Hochheiser	23.64	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	8.33	μg/m <sup>2</sup>	80

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

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Sample Number:

VEL/JKCW/A/20

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhaijar (HARYANA)

Report No.:

VEL/A/2210230020

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

18/10/2022 to 19/10/2022

24.0 hours

Min. 24.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM23)	IS:5182(P-24), Gravimetric Method	43,35	μg/m²	60
2.	Particulate Matter (PM at)	1S: 5182 (P-23), Gravimetric Method	51.56	μg/tn³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob &Hochheiser	22.84	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	9.24	μg/m³	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

Jato Kumar

# Terms & Conditions

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Sample Number:

VEL/JKCW/A/21

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210230021

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

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

20/10/2022 to 21/10/2022

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

: PM25, PM16, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
L	Particulate Matter (PM25)	IS:5182(P-24), Gravimetric Method	35.64	μg/m³	60
2.	Particulate Matter (PM in)	IS: 5182 (P-23), Gravimetric Method	53.43	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	27.45	µg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	JS: 5182 (P-2), Modified West and Gaeke	8.11	µg/m³	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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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 4600082079

Party Reference No.:

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 Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

20/10/2022 to 21/10/2022

24 0 hours

Min. 24.0°C Max. 36.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

1 1S-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	34.88	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	54.64	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	25.34	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	8.21	µg/m³	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

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



Sample Number:

VEL/JKCW/A/23

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210230023

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

21/10/2022 to 22/10/2022

24.0 hours

Min. 23.0°C Max. 35.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM<sub>2.5</sub> PM<sub>10</sub>, NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	28.56	μg/m³	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23), Gravimetric Method	50.21	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	20.74	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	9.18	μg/m³	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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Sample Number:

VEL/JKCW/A/24

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106

Distt - Jhaijar (HARYANA)

Report No.:

VEL/A/2210230024

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

: 1S-5182 & CPCB Guideline

; PM23 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24), Gravimetric Method	22.66	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	41.12	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	26.46	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	8.47	μg/m³	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

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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

4600082079

Dated- 16.05.2022

Reporting Date:

04/11/2022

Period of Analysis:

Party Reference No.:

31/10/2022 to 04/11/2022

Receipt Date:

31/10/2022

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

24/10/2022 to 25/10/2022

: 24.0 hours

: Min. 22,0°C Max. 36.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Résult	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	41.24	μg/m <sup>3</sup>	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	58.88	µg/m³	100
3	Nitrogen Dioxide (NO <sub>1</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.32	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	9.18	μg/m³	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 will not be used for publishy or advertising or media purpose without prior written permission on the labellatory.
 Giving opinions does not imply endersement of the tested sample by the lab. Under no circumstances, the lab accepts any liability coursed by the use or miscuse of the lest 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

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

Clear Sky

24/10/2022 to 25/10/2022

24.0 hours

Min. 22.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM2 : PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1	Particulate Matter (PM2.5)	IS:5182(P-24), Gravimetric Method	34.54	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	53.46	μg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	24.48	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	8.18	µg/m³	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 no, with Suffix A-Amended Report.

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 Giving opinions does not imply sedonsement of the tested sample by the lab. Under no discumstances, the lab accepts any liability caused by the use or missas of the 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

7.8 F-03 Format No.:

4600082079 Party Reference No.:

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

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

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

25/10/2022 to 26/10/2022

24.0 hours

Min. 23.0°C Max. 35.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
m.Time	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	31.66	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	62.52	μg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	26,22	μ <u>e</u> /m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gaeke	8.18	μg/m³	80

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

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#### Terms & Conditions

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   Laboratory is not responsible for the authenticity of photocopied last report. The test serrains will be retained only for specific period.
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- Giving opinions does not imply endersoment of the tested sample by the lab. Under no cocumulations, the lab accepts any liability caused by the use or misuse of the test report.



Sample Number:

VEL/JKCW/A/28

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210300028

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

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

25/10/2022 to 26/10/2022

24.0 hours

Min. 23.0°C Max. 35.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

IS-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM2 s)	IS:5182(P-24), Gravimetric Method	33.25	μg/m²	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	55.49	μg/m <sup>3</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.56	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	9.22	μg/m³	80

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

<sup>‡</sup>SOP- Laboratory Standard Operating Procedure



Terms & Conditions

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The report no, with Staffe A-Amended Report.

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Sample Number:

VEL/JKCW/A/29

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2210300029

7.8 F-03 Format No.:

4600082079 Party Reference No.:

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

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

27/10/2022 to 28/10/2022

24 O hours

Min. 23.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	35.88	μg/m²	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	53,55	μg/m³	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	24.45	μg/m <sup>3</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	9.36	µg/m²	80

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

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Sample Number:

VEL/JKCW/A/30

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

VEL/A/2210300030 Report No.:

7.8 F-03 Format No.:

4600082079 Party Reference No.:

Dated- 16.05.2022

Reporting Date: Period of Analysis:

04/11/2022 31/10/2022 to 04/11/2022

Receipt Date:

31/10/2022

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

Clear Sky

: 27/10/2022 to 28/10/2022

24.0 hours

Min. 23.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM2 .: PM10, NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM24)	IS:5182(P-24), Gravimetric Method	34.32	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	50.78	μg/m <sup>3</sup>	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.64	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	9.21	μg/m³	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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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

7.8 F-03 Format No.:

4600082079

Dated- 16.05.2022

Reporting Date:

04/11/2022

Period of Analysis:

Party Reference No.:

31/10/2022 to 04/11/2022

Receipt Date:

31/10/2022

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

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

28/10/2022 to 29/10/2022

24.0 hours

Min. 23.0°C Max. 36.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM2.5 PM30, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
DESC	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	34.44	μg/m³	60
1.	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23), Gravimetric Method	51.47	μg/m³	100
2	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	23.54	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	8,32	μg/m <sup>3</sup>	80

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

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Sample Number:

VEL/JKCW/A/32

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2210300032

7.8 F-03 Format No .:

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

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

28/10/2022 to 29/10/2022

24.0 hours

Min. 23.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

1S-5182 & CPCB Guideline

PM2.5, PM10, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1	Particulate Matter (PM2.5)	IS:5182(P-24), Gravimetric Method	36.46	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23), Gravimetric Method	54.67	μg/m <sup>3</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	22.69	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2), Modified West and Gacke	8.75	μg/m³	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: Plot No. 82A, Sector - S, IMT Manesar, Gurugram - 122051 [Hr]-ISO 9001 | ISO 14001 | ISO 45001

# Test Report

Sample Number:

VEL/JKCW/A/H

Name & Address of the Porty:

M/s JK Cement Works

Mohan Bari Road Jhartl - 124106 Distt - Jhaffar (HARYANA)

Report No.:

VEL/A/2211070001

Formut No.:

7.8 F-03 4600082079

Party Reference No.:

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:

AMBIENE 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 Moultoning Time of Monitoring

Ambient Temperature (\*(\*))

Surrounding Activity

Scope of Monitoring Control measure if Any

Sampling & Analysis Protocol

Parameter Regulred

Mr. Kapil Agrawal (Unit Read)

VardinEnviroLab Representative (Mukesh Chandra).

Near Gate No -1

ROS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

01/11/2022 in 02/11/2022

24 O hours

Min. 2349'C Max, 1649'C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

18-5182 & CPCB Guideline

PM<sub>23</sub>, PM<sub>15</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS.

5. No.	Parameter	Protocol	Result	Unit	NAAQS*
l.	Particulate Matter (PM <sub>2.5</sub> )	JS:5182(P-24)	40.06	we/or."	60
2	Particulare Matter (PM-a)	fS: 5182 (P-23)	60-72	ng/nc <sup>h</sup>	100
2.	Nitrogen Dinxide (NO <sub>2</sub> )	15: 5182 (P-6)	27 12	μg/m	80
4.	Sulphur Diuxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7,08	μg/m <sup>*</sup>	30

\*NAAQS = National Ambiest Air Quality Standards: Schedule-VII, [Rule 3 (3B]], [Part-It-sec.-3(i)] 18.11.2009,

"SOP Laboratory Standard Operating Procedure







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

# **Test Report**

Sample Number:

Name & Address of the Party:

VEL/JKCW/A/02

M/s JK Cement Works

Mahan Rari Raad Jharti - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VEL/A/2211070002

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 MONITURING

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 accesure 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

Clean Sky:

01/11/2022 to 42/11/2022

Min. 23.0°C Max. 36.0°C

Homan, Vehicular and Coment plant activities

Regulatory Requirement

Water Sprinkling

[5-5182 & CPCB Quideline

PMsz PMss NOs SOs

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	IS 5187(P-24)	43.76	μg·m³	60
2.	Particulate Matter (PM to)	IS, 5182 (P-23)	57.12	µg/ra*	100
3.	Njirogen Dioxide (NO <sub>2</sub> )	JS. 5 82 (P-6)	27.73	he'ny	RO
4.	Sulphur Dioxide (SO <sub>5</sub> )	(\$15° 5° 82 (P-2)	7.68	pg'ma'	20

\*NA AOS National Ambient Air Quality Standards; Schedule-VII. [Rule 3 (3H)]. [Part-il-sec -36)] 18.11 2009.

"SOP Laboratory Standard Operating Procedure





Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 122051 [Hr]

ISO 9001 | ISO 14001 | ISO 45001

# Test Report

Sample Number:

VELAJKOW/ARB

Name & Address of the Party:

M/s JK Cement Works

Mohan Barl Road Jharll - 124106

Diste - Jhujjur (HARYANA)

Report No.:

VEL/A/2211070003

Format No.:

7.8 F-03 J6410082879

Party Reference No.:

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 manitaring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol Perameter Required

Mr. Kapil Agrawal (Umit Head).

Vardan EnviroLab Representative(Mokesh Chandra)

Rullway Line Slife

RDS & FPS sampler with all Accessories

VEU/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

02/11/2022 to 03/11/2022

34.0 hours

Min. 24.07C Max 35.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

15-5182 & CPCB Guideline

PM<sub>26</sub> PM<sub>10</sub> NO<sub>5</sub> SO<sub>6</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
l.	Particulate Matter (PM <sub>2.5</sub> )	IS 5182(P-24)	40.09	puym.3	60
2.	Particulate Matter (PM <sub>IL</sub> )	IS: 5180 (P-20)	61 72	p.g/rn <sup>3</sup>	160
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (7-6)	28 18	μ <u>α</u> /nv*	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8,59	Jagaran "	80

<sup>\*</sup>NAAQS - National Ambient Air Quality Standards; Schedule-VII. [Rule 3 (3B)], [Part-II-sec -3(i)] 18 11.2009.

<sup>&</sup>quot;SOP Laboratory Scanilard Operating Procedure









Laboratory: Plot No. B2A, Sector 5, IMT Manesar, Gurugram - 122051 (Hr) 150 9001 | 150 14001 | 150 45001

# Test Report

Sample Number:

VEL/JIKCW/A/04

Name & Address of the Party:

M/s JK Cement Works

Mahan Bari Road Jherli - 124106 Disti - Jhajjar (HARYANA).

Report No.:

VEL/A/2211070004

Dated- 16.05.2022

Format No.: Purty Reference No.: 7.8 F-03 4600082079

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:-

Chent Representative

Sample collected by Smapling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during conditoring

Date of Monitoring Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monttoring,

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (Unit Head).

Vardan Envirol ab Representative(Makesh Chandra)

Near Wagnn Tippler

RDS & FPS sampler with all Accessories

VEL/TOS/04 & VED/TPS/04

Calibrated

Internationt Clouds

02/11/2022 to 03/11/2022

24.0 hours

Min. 24.47°C | Max. 35.0°C

Human, Velsicalar and Cement plant activities

Regulatory Requirement

: 15.5182 & CPCB Guideline

PM24 PM III NO. SO2

#### TEST RESULTS

S. No.	Parameter	Professi	Result	Unit	NAAQ8*
l.	Particulate Matier (PM23)	18.5182(P-24)	36.72	pgimi	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56.74	1/g/m²	100
3.	Nitragen Dioxide (NO <sub>5</sub> )	15: 5182 (P-6)	25.35	μ <u>μ</u> 'm'	80
4.	Sulphur Diaxide (SO:1	15: 5182 (P-2)	6.89	μg'm²	80

\*NAAQS National Ambient Air Quality Standards; Schedule VII, [Ru e 3 (3B)], [Part-II-sec.-5(6)] 18.11.2009.

\*SOP Laboratory Standard Operating Procedure



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

# Test Report

Sample Number:

VEL/JKCW/A/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharil - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VE1./A/2211070005

Formet No.:

7.8 F-03 46HH0R2079

Party Reference No.:

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 MONITURING

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

Pacameter Required

Mr. Kapit Agrawal (Unit Head):

Varday EnviroLab Representative (Makesh Chandra)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDSVII & VEL/FPS/01

Calibrated

Clear Sky

04/11/2022 to 05/11/2022

24 0 hours

Min. 24.0°C Max 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Repurrement

Water Sprinkling

19-5192 & CPCB Guideline

PM 25, PM ps, NO2, SO3

#### TEST RESULTS

S. No.	Parameter	Protocul	Result	Lnit	NAAQS* Limit
1.	Particulate Matrer (PM <sub>23</sub> )	IS 5182(9-24)	41.76	µg/m³	60
2.	Particulate Matter (PM pc)	IS: 5182 (P-23)	55,19	pg/m²	100
3.	Nijrogen Dioxale (NOs)	18 5182 (P-6)	26 24	pg/m²	80
4.	Sulphur Droxide (SO:)	IS 5182 (P-2)	6 P6	µg/m³	80

\*NAAQS - National Ambient Air Quality Standards; Schedule: VII. [Rule 3 (3B)]. [Port-"I-sec -3(i)] 18.11.2009.

SOP Laboratory Standard Operating Procedure





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

# Test Report

Sample Number:

VEL/JKCW/A/06

Name & Address of the Party:

M/a JK Cement Works

Mohan Bari Road Jharii - 124106.

Distr - Ibajjar (HARYANA)

Report Ne.:

VEL/A/2211070006

Format No.:

7.8 F-03

Party Reference No.:

4600HH2D79

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. Kapal Agrawal (Unit Head)

Vardan Envirollab Representative/Mukesh Chandra)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated.

Clear Sky

04/11/2022 to 05/11/2022

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

PMod PM in NOt SO:

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	N4AQ8*
T.	Particulate Matter (PM <sub>2+</sub> )	(S 5182(P-24)	29.68	дн/m³	60
2,	Particulate Matter (PM ir)	15; 5182 (P-23)	55 15	pug m <sup>3</sup>	160
3	Natrogen Dioxide (NO <sub>7</sub> )	IS 3182 (P-6)	26.24	µg/m <sup>3</sup>	80
4.	Su'phut Dioxide (SO <sub>2</sub> )	IS 5182 (P-2)	8.12	அது ப்ப	80

\*NAAQS - National Ambient Air Quality Standards; Schedule: VII, [Rule 3 (33)], [Part-II-sec.-3(ii] 19 [1.2009.

"SOP Lebourtory Standard Operating Procedure









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

## Test Report

Sample Number:

VBL/JKCW/A/07

Name & Address of the Party:

M/s JK Cement Works

Mobert Beri Road Jharll - 124186.

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2211070007

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16 05,2022

Reporting Date:

11/11/2022

Perfort 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 [gstrument Used]

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Manitoring Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity Scope of Munitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (Unit Head).

Vardan Envirolinh Representative (Mukesh Chandra)

Rallway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEI /FPS/03

Intermittent Rain

05/11/2022 to 06/11/2022

24.0 hours

Min 24 0°C Max. 34.6°C

Hutnan, Vehicular and Roll activities

Regulatory Requirement

Water Sprinkling

15-5182 & CPOH Gindeline

PM2x PM a NOt SO2

### TEST RESULTS.

8. No.	Parameter	Protocol	Result	Unit	NAAQ8*
1.	Particulate Matter (PM21)	15:51×2(P-24)	35.18	μg in'	60
2.	Particulate Matter (PM <sub>10</sub> )	18: 5182 (P-23)	50.33	pg/m <sup>2</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.49	ug/in <sup>7</sup>	80)
4.	Sulphur Dioxide (SO a)	IS: 5182 (P-2)	7.55	pg/m²	80

\*NAAQS National Ambient Air Quality Standards; Schodule-VII. [Rule 343B)]. [Psn-II-sec -3(6)] 18.11.2009.

SOP Laboratory Standard Operating Procedure





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

# Test Report

Sample Number:

VEL/JKCW/A/08

Name & Address of the Party:

M/s JK Coment Works

Mohan Bari Road JharN - 124106

Disti - Jhajjar (HARYANA)

Report No.:

VEL/A/2211070008

Format No.:

7.8 F+03

Party Reference No.:

4600082079 Dated- 16.85.2022

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

Scupe of Monitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (Unit Heall)

Vindan EmeraLab Representativel Mukosli Chandra)

Near Wagon Tippler

RDS & FPS aampler with all Accessories

VELIADS/04 & VEL/FP5/04

Calibrated

Intermittent Rain.

05/41/2022 to 06/11/2022

Min 24.0°C Max. 34.0°C

Human, Vehicular and Coment plant scrivities

Regulatory Requirement

Yes

IS-5182& CPCH Guideline

PM13, PM in NO. SO.

#### TEST RESULTS

S. No.	Parameter	Protocol	Repult	Unit	NAAQS*
I.	Particulate Matter (PMg+)	IS:5182(P-24)	38.08	ugyen <sup>3</sup>	40
2.	Particulate Matter (PM in)	15: 5182 (P-23)	52.46	ug/ny <sup>2</sup>	100
3,	Nitrogen Diexide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.21	pignits*	SU.
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 3182 IP-21	7.76	µg/m²	80

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

"SOP Laboratory Standard Operating Procedure





Laboratory, Plot No. B2A, 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/a JK Cement Works

Mohan Bari Road Jharil - 124106

Disti - Jhajjar (HARYANA).

Report No.:

VEL/A/2211140009

Format No.: Party Reference No.: 7.8 F-03

460IMI82479

Dated- 16.05,2022

Reporting Date:

19/11/2022

Period of Analysis:

14/11/2022 to 18/11/2022

Receipt Date:

14/11/2022

Sample Description:

AMBIENT AIR QUALITY MONITORING

General Informations-

Client Representative

Sample collected by

Sampling Lucation

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during munitoring

Date of Monituring

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)

VardanEnwroLab Representative (Mukesh Chandra)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated Clear Sky

08/11/2022 to 09/11/2022

24.0 hours

Min. 23.0°C Mnx 36,0°C

Hojgan, Vehicular and Cement plant activities.

Regulatory Requirement

Water Sprinkling

IS-5183 & CPCB Guideline

PM28, PM in NOS, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQ8*
1.	Particulate Matter (PMg+)	IS.5182(P-24), Gravimetrio Method	40.06	pg:m³	60
2	Particulare Master (PM it)	IS: 5182 (P-23), Gravimetric Method	61.72	pg/m <sup>*</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5, 82 (P-6), Jacob & Hootheiser	24.40	µg/in*	80
4.	Sulphur Disocile (SO <sub>2</sub> )	15: 5182 (P-2), Mindified West and Greke	7.67	Hgyan <sup>3</sup>	8.0

NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sect-3ti)] 18.11 2009.

SOF: Laboratory Standard Operating Procedure







Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr). (SO 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 Jharii - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VEL/A/2211140010

Format No.: Party Reference No.: 7.8 F-03 4601082079

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:-

Oljent Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Colibration Status

Atereorological condition during monitoring

Date of Monitoring

Time of Mandlering

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Stegulied

Mt. Kapi' Agrawal (Unit Head)

Varian Envirollab Representative (Makesh Chandra).

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

DB/11/2022 to 09/11/2022

24.0 hours

Min. 23.0 °C Max. 36,0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PMas PM:a NO2 SQ2

S. No.	Parameter	Protocol	Resolt	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2+</sub> )	IS:5182(P-24), Gravimetric Method	30.77	ng/m³	60
2.	Particulare Marter (PM <sub>10</sub> )	15: 5182 (P.23), Gravimetric Methed	56,63	μg/m <sup>3</sup>	100
3.	Nurvigen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hockhoiser	20.12	µg/m <sup>1</sup>	89
4.	Sulphur Droyide (50 <sub>2</sub> )	15: 5182 (P-2), Modified West and Gacke	6.49	µg/m³	80

\*NAAQS - National Ambient Air Quality Standards; Schedule-VII. (Rule 3 (3B)), [Part-III <ec, 5(i)] 18.11.2009.

SQP- Laboratory Standard Operating Procedure



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

## Test Report

Sample Number:

VELJKCW/A/TI

Name & Address of the Party:

M/s 4K Cement Works

Mohan Bari Road Jharli - 124106 Dist( - Jhajjar (HARYANA) Report No.:

YEL/A/2211140011

Format No.: Party Reference No.: 7.3 F-03 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

Meleorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity
Scope of Monitoring

Control mensure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapit Agressal (Unit I (cad)

Vargan Enviro Lab Representative (Mukesh Chandra)

Rallway Line Side

R DS & FPS sampler with al. Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated Clear Sky

. 09/11/2022 to 10/11/2022

24 0 hours

Min 23 0°C Max. 35.8°C

Hirman, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

15-5182 & CPCB Gaideline

PMS VPM in NO SO

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQ8* Limit
1.	Particulate Matter (PM <sub>2×1</sub>	IS:5182(P-24), Gravimetric Method	34.25	his/ia <sub>1</sub>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS, 5182 (P-23), Gravimetric Method	58.16	plg 'm'	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S 5182 (P-6), Jacob & Hockheiser	28.63	µg/in <sup>2</sup>	80
4.	Sulphur D:exide (SO <sub>2</sub> )	[S: 5182 (P-2), Modified West and Gacke	2.20	pg'm'	80

\*NAAOS = National Ambiert Air Onnline Standards; Schoelule: VII., [Rule 5 (2B)). [Part-II-sec.-3(i)] 18.11.2099.

<sup>&</sup>quot;SOP- Laboratory Standard Operating Procedure





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

# Test Report

Sample Number:

VEL/JRCW/A/12

Name & Address of the Party:

M/s JK Cement Works

Mohan Barl Road Jharll - 124106

Distr - Jhallar (HARYANA).

Report No.:

VEL/A/2211140012

Format No.:

7.8 F-03

46/HI082079

Dated- 16.05.2022

Reporting Date:

Party Reference No.:

**98/11/2022** 

Period of Analysis: Receipt Date:

14/11/2022 to 18/11/2022 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 Ambigut Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (Unit Hond).

Mai dan Engiro Cab Representative (Mukeah Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Appeasories

VEL/RDS/04 & VEL FPS/04

Calibrated

Clear Sky

09/11/2022 to 10/11/2022

24.0 hours

Min. 23.0°C Max. 35.0°C

Human, Vehicular and Coment plant activities

Regulatory Requirement

15-5182 & CPCH Guideline

PM<sub>25</sub> PM : NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Profocol	Result	Unit	NAAQS*
1.	Parriculate Matter (PM <sub>2,3</sub> )	15:5192(P-24), Gravimetric Method	38.36	μg'm <sup>)</sup>	60)
2	Particulate Matter (P.M.r.)	18, 5182 (P-23), Gravimetric Method	51.78	µg/m'	100
3.	Nitrogen Dioxide (NOs)	15: 5182 (P-6), Jaçob &Hochheiser	27.11	µg'm¹	80
4,	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5132 (P-2), Mullified West and Gacke	7.68	μg/m <sup>1</sup>	80

\*NAAQS - Nanonal Ambrent Air Quality Standards; Schedule VII. [Rule 3 (3B)]. [Part-II-sec. 3(t)] 18.11.2009.

SOP- Laboratory Standard Orierating Procedure



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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 Centent Works

Mohan Barl Road Jharll - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2211140013

Format No.:

7.8 F-03

4600082079 Party Reference No.:

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 AIROUALITY MONITORING

General information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code Instrument Colibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring Ambient Temperature (°C)

Surrounding Activity

Scape of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parunwter Required

Mr. Kepil Agrawal (Unit Head)

Vardan Envirol ah Representative (Mukesh Chandia)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VGL/FPS/01

Calibrated Clent Sky

11:11/2022 on 12/11/2022

24 0 Iscurs

Min 22,0°C Max, 72.0 C

Homan, Venicular and Convent plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Gurdeline

PM : 5 PM ir, NO2 SO2

5. No.	Parameter	Protocol	Result	Unik	NAAQS*
1.	Particulate Matter (PM <sub>25</sub> )	19:3182(P-24), Grovimetric Method	31.63	ug/m²	60
2	Particulate Matter (PM <sub>16</sub> )	IS 5182 (P-23), Gravimetric Method	54.46	ug/m <sup>3</sup>	100
3.	Nitrogon Dioxide (NO <sub>2</sub> )	IS 5182 (P-n), Jacob & Hochheiser	24.26	Jagvins <sup>3</sup>	90
4.	Sulpher Dioxide (SO:)	15: 5182 (7-2), Mothfiell West and Gacke	8.06	ug/m <sup>3</sup>	80

\*TNAAQS - National Ambient Ast Quality Standards; Schoolde-VII. [Rule 3 (3H)]. [Part-II-sec -3fi)] 18 11.2009.

SOP- Laboratory Standard Operating Procedure





Laboratory: Plot No. 82A, Sector 5, IMT Manesar, Gurugram - 122051 (Hr) (SO 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 Jharlt - 124106

Distt - Jhaffar (HARYANA)

Report No.:

VEL/A/2211140014

Format No.: Party Reference No., 7.8 F-03 4600082079

Duted- 16.05.2022

Reporting Date:

18/11/2022

Period of Analysis:

14/11/2022 to 18/11/2022

Receipt Date:

14/11/2023

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 Munitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Kcquired

Mr. Kapil Agrawal (Unit Head).

VardanEnviroLah Representative (Mukesh Chandra)

Near Cate 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 Coincin plant activities

Regulatory Requirement

Warer Sprinkling

IS-5182 & CPCB Guideline

PM<sub>75</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unii	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS.5182(P-24), Gravimerrio Method	36.54	µg/m²	60
2.	Particulate Maiter (PM ir)	IS: 5182 (P-23), Gravimetric Method	61.46	ptwini <sup>2</sup>	100
3.	Nitrogen Diexide (NO:)	IS: 5182 (P-6), Jacob & Huchbeiser	27.69	சுதுரு"	80
4.	Sulphur Dioxide (SO <sub>5</sub> )	15: 5182 (P-2). Modified West and Gacke	8.12	μυ/m²	80

<sup>\*</sup>NAAOS - Natjonal Ambient Air Orabity Standards: Schedule-VII, [Rule 2 (38)], [Part-II-sec. -3(i)]; 18 11.2009.

SQP- Lahorstory Standard Operating Procedure





The report to a Wh Selfa A Americal Report



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

# **Test Report**

Sample Number:

VEL/JKCW/A/15

Name & Address of the Party:

M/s JK Cement Works

Mahan Bari Road Jharli - 124106

Distf - Jhajjer (HARYANA)

Report No.:

VEL/A/2211140015

Format No.: Party Reference No.:

7.8 F-03 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 Monituring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control opensure if Any Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawaf (Unit Head)

VajdanEnvirol.ab Representative (Mukesh Chandra).

Rallway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/93 & VEL/FPS/03

Calibrated

Clear Sky

12/31/2022 to 13/11/2022

24.0 hours

Min. 20.0°C | Max 32.0°C

Human, Velucular and Rail notivities

Regulatory Requirement

Water Sprinkling

18-5182 & CPCB Guideline

PM23, PM III, NO2, SO3

#### TEST RESULTS.

S. No.	Parameter	Protocol	Repult	Unit	NAAQS* Limit
T,	Particulate Matter (PM; s)	IS 5132(P-24), Gravimetric Method	33 19	pg-m²	AD .
2.	Particulate Matter (PM ad	[S: 5182 (P-23), Gravimetric Method	59 66	μg/m <sup>*</sup>	100
3.	Nitropen Dioxide (NO,)	15: \$182 (Pv6), Jacob & Hoeliherser	21 92	μķ.m,	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	TS 5182 (P-2). Modified West and Gaeke	7.72	այլտո՝	80

\*NAAOS - National Ambient Air Quality Standards: Schedule-VII. [Rule 3 (38)], [Part-II-sec. 3(i)] 18 11.2004.

SOP- Laboratory Standard Operating Procedure





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Laboratory Plot No. 82A, Sector | 5, IMT Manesar, Gurugram - 122051 [Hr] | 150 9001 | 150 14001 | 150 45001

# **Test Report**

Sample Number:

VEL/JKCW/A/16

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distr-Jhajjar (HARYANA)

Report No.:

VEL/A/2211140016

Formul No.: Purty Reference No.: 7.8 F-03 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)

VardantmymoLab Ropresentative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VBL/RDS/04 & VEI/PP5/04

Califorated

Clear Sky

12/11/2022 (6 13/11/2022

74 B business

Mer. 20,020 I Max. 32,030.

Harman, Vehicular and Cement plant activities

Regulatory Requirement

Yes

IS-5182 & CPCB Guideline

PM<sub>23</sub> PM<sub>14</sub> NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Ueit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	18.5182(P-24). Gravimenic Method	34,78	µg, m²	66
2.	Particulate Marter (PM in)	IS 5182 (P-23), Grawmetrio Method	59 37	pg/m²	100
3.	N tregen Diexide (NO <sub>1</sub> )	IS: 5132 (P4i), incobiá: Hechherser	29.40	יותישונו (תוישונו	KC .
4.	Sulphur Osoxide (SD <sub>2</sub> )	1S (5182 (P-2)) Modified West and Clacke	8 75	ալցան՝	80

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

SOP- Laboratory Standard Operating Procedure



#### Terms & Conditions

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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

Name & Address of the Party:

M/s JK Cement Works

Mohan Bori Road Jhorli - 124106

Disti - Jhajjat (HARYANA)

Report No.:

VEL/A/2211210017

Format No.: Party Reference No.: 7.8 F-03

46/10/08/2079 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 MONITURING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during numbering

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 Bead).

VardanEnviroLab Ropresentative (Mukesh Chandra).

Near Gate No-1

RDS & FPS sampler with all Accessories

VEL/ROS/01 & VEL/FPS/01

Interesistent Ruin

15/11/2023 to 16/11/2023

24.4) hours

Min. 22,0°C Max 32,0°C.

Himpan, Vehicular and Cement plant activities

Regulatory Requirement

Water Spenkling

IS-3182 & CPCB Guideline

PM<sub>23</sub> PM<sub>19</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

5. No.	Paramèter	Protocol	Result	Unii	NAAQS*
L,	Particulate Matter (PMgg)	15:5182(P-24), Gravametric Method	38.27	μ <u>α</u> /m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>1a</sub> )	18, 5182 (P-23), Gravimetric Method	53.12	µg/m³	100
3.	Nitrogen Dioxide (NO-)	FS 5182 (P-6), Jacob & Hooltheiser	27.68	μg/m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS, 5182 (P-2). Modified West and Gaeke	8.11	μg/m	- 80

4NAAOS - National Ambient Air Quality Standards: Schedule-VII, [Role J (30)], [Partiff-sec. -3(i)] 18.11 2009.

"SOP- Laborates v Standard Operating Procedure









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

## Test Report

Sample Numbers

VEL/JKCW/A/18

Name & Address of the Party:

Mis JK Cement Works

Mohan Bari Road Jharli - 124106

Distr - Jirajjar (HARYANA)

Report No.:

VEL/A/2211210018

Format No.: Party Reference No.:

7.8 F-03 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:-

Citent Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Manitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monituring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kepil Agrawal (Unit Head).

VardanEnviroLab Representative (Mukesh Chandra)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS 02 & VEI/FPS/02

Calibrated

Intermittent Rain

15/11/2023 to 16/11/2022

24.0 bours

Min. 22.0°C Max 32.0°C

Human, Velocular and Cement plant activities

Regulatory Recomment

Water Sprinkling

IS-5182 & CPCB Guideline

PM 25, PM ID, NO2, SO2

### TEST RESULTS.

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
T,	Particulare Matter (PM23)	TS:5182(P-24), Gravingstric Method	36.89	ug/m²	fill
2.	Particulate Matter (PM <sub>16</sub> )	IS, 5182 (P-23), Gravimetric Method	\$2.06	µg/my <sup>4</sup>	100
3.	Narogen Dioxisle (NO <sub>2</sub> )	IS, 5152 (P-6), Jacob & Hachherser	24.66	na <sub>j</sub> un <sub>j</sub>	80
4	Sulphur Dioxide (SO-)	1S 5182 (P-2). Modified West and Gacke	8 35	pg/m <sup>3</sup>	80

\*NAAQS National Aminent Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-II-sec -36]); 18 11,2009.

"SOP- Laboratory Standard Operating Procedure









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

# Test Report

Sample Number:

VEL/JKCW/A/19

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 1241/16

Distr - Jhujjar (BARYANA)

Report No.:

VEL/A/2211210019

Format No.:

7.8 F-03

Party Referency No.: 461HI082079

Dated- 16.05.2022 25/11/2022

Reporting Date:

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 Code

Justrament Calibration Status

Meteorological condition during monitoring

Date of Munitaring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Ady

Sampling & Analysis Protocol Parameter Required Mr. Kapil Agrawal (Unit Head)

VardantmycroLab Representative (Mukesh Chandra)

Reilway Line Side

RDS & FPS sampler with all Accessures

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

16/11/2022 to 17/11/2022

24 0 hours

Min. 18.0°C Max 29.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-\$183 & CPCB Goldeline

PM<sub>23</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>3</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
I.	Particulate Matter (PM <sub>2.5</sub> )	15:5182(P-24). Gravimente Method	38 44	ug/m"	60
2.	Particulate Matter (PM 5)	IS: 5182 (P-23), Gravmetric Method	49 24	μg/m <sup>*</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	TS: 5182 (P-6), Jacob & Hochheiser	29.40	µg/to <sup>2</sup>	80
4	Sulphur Drocale (SO <sub>2</sub> )	18: 5182 (P-2), Modified West and Gaeke	8.80	µgan'	80

•NAAQS National Ambient Air Quality Standards, Schedule-VII, [Rule V(3B)], [Part-II-sec.-5(ii] 18.11.2009.

\*SOP - Lanoratory Standard Operating Procedure





#### Terres & Conditions

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The report so, with Suffe Authorized Proport

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

# **Test Report**

Sample Number:

VELJIKOW/A/20

Name & Address of the Party:

M/s JK Content Works

Mohan Bari Road Jhatli - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VEL/A/2211210020

Format No.:

7.8 P-03 4600082079

Party Reference No.:

Duted- 16.05.2022

Reporting Date: Period of Analysis: 25/11/2022 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 Justimment Used

Instrument Code

Instrument Calibration Status

Meteorological condition during maniforing

Date of Munituring Time of Monttoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Regulred

Mr. Kapil Agrawal (Unit Head)

VardanEnviroLab Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEC/RDS/04 & VED/FP5/04

Calibrated

Clear Sky

16/11/2022 to 17:11/2022

24.0 hours

Min. 1849'C Max. 29.04C

Human, Velsicalar and Cement plant activities

Regulatory Requirement

1S-5182 & CPCB Guideline

PM23 PM in NO. SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Doil	NAAQS*
T.	Particulate Maiter (PM23)	75:5182(P-24), Gravimenie Method	41.12	เกล.เม	6D
2.	Printiculare Matter (PM is)	IS: 5182 (P-23), Gravimetric Method	48 46	με'm'	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochbeiser	24.57	µg'm²	80
4.	Sulphin Dinxide (50:)	IS, 5182 (P-2), Modified West and Gricke	7.68	ug'm²	30

\*NAAQS - National Ambient Air Quality Standards; Schedule: VII, (Rule 3 (2B)], [Part-II-sec.-5(:)] 18.11.2009.

SOP. Laboratory Standard Operating Procedure





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

## Test Report

Sample Number:

VELAIKCW/A/21

Name & Address of the Party:

Mrs JK Coment Works

Mohan Bari Road Jhorli - 124106

Disti - Jhajjar (HARYANA)

Report No.:

VEL/A/2211210021

Format No.: Party Reference No.:

7.8 F-03 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

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Munituring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agraival (Unit Head)

VardanEnviroLnb Representative (Mickesh Chandra)

Near Gate No -1

RDS & FPS sampler with al. Accessories

VEIDRIDSZEL & VEIDFPS/01

Calibrated

Clear Sky

18/11/2022 to 19/11/2022

24 0 hours

Min. 17.0°C | Max. 30.0°C

Haman, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM23, PM is NO: SO:

### TEST RESULTS

S. No.	Paraméter	Protocol	Result	Unit	NAAQS*
I.	Particulate Matter (PM <sub>3.5</sub> )	13 5182(P-24). Gravingenie Method	39.66	μκ/m³	60
2,	Porticulare Matter (PM in)	15: 5182 (P-23), Gravimetric Method	53.08	μg/m²	100
3.	Nitrogen Dioxide (NO <sub>3</sub> )	15: 5182 (P-6), Jacob & Hochheiser	25.35	pag/ml*	80
4	Sulphur Dinxide (SO <sub>2</sub> )	IS S182 (P-2), Modified West and Gaeke	7.09	ugm'	80

<sup>\*</sup>NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (38)]. [Part-II-sec.-5(ii] 18 11,2009.

SOP: Laboratory Standard Operating Procedure









Laboratory: Plot No. 824, 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/2211210022

Format No.: Party Reference No.:

7.8 F-03 4600082079

Dated- 16.05.2022

Reporting Date:

25/11/2022

Period of Analysis:

21/11/2023 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 Collbration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Anthlent Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawa. (Unit Head).

VandanEnviroLub Representative (Mukesh Chandra)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS:02 & VEL/FPS:02

Califyrated

Clear Sky

(8/11/2022 to 19/11/2022)

24.0 hours

Min. 17.0°C | Max. 30.0°C

Homan, Vehicular and Cement plant activities

Regulatory Recuirement

Water Sprinkling

IS-\$182 & CPCB Goldeline

PM 23, PM 10, NO2, SO2

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM+5)	IS 5182(P-24), Gravimetric Method	30.49	μg/m²	60
2,	Particulate Matter (PM <sub>In</sub> )	18: 51X2 (P-23), Gravimetric Method	56 m8	LLP/m"	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	18 69	wigm <sup>5</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2), Modified West and Gaeke	7.54	μg/m²	80

TNAAQS National Ambient Air Quality Standards; Schodule-VII. [Rule 3 (3B)], [Part-II-sec -5(ii)] 18 11,2009. \*SOP- Laboratory Standard Operating Procedure







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

# Test Report

Sample Number:

VEL/JKCW/A/23

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2211210023

Formal No.:

7.8 F-03 4600082079

Party Reference Nu.: Dated- 16.05.2022

Reporting Date:

25/11/2022

Period of Analysis:

21/16/2022 to 25/11/2022

Receipt Date:

21/11/2022

Sample Description:

AMBIENT AIRQUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteocological 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 (Mickesh Chandra)

Rallway Line Side

RDS & FPS sampler with all Accessories

VEURDS/03 & VEL-PPS-03

Calibrated

C'ear Sky

19/11/2022 to 20/11/2022

24.0 hours

Min. 18.0°C Max 30.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM<sub>23</sub>, PM<sub>16</sub>, NO<sub>2</sub>, SO<sub>3</sub>.

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unkt	NAAQS*
1.	Particulate Matter (PM <sub>3.3</sub> )	15:5182(P-24), Gravimetric Method	44 66	iig.m*	60
2.	Particulate Matter (PM <sub>III</sub> )	15-5192 (P-23), Gravametric Method	61.00	ug'm'	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	TS 5182 (P-6), Japob & Hecliheiser	22.49	ug in "	90
4.	Sulphur Djoxide (SOs)	18: 5182 (P-2), Modified West and Gaeke	1010	pg/m²	80

"NAAQS - National Ambient Air Quality Standards, Schoolde-VII, [Rule 3 (3D)], [Part-II-sect-3(i)] 18.11 2009.

"SOP- Laboratory Standard Operatory Procedure









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

## Test Report

Sample Number:

VBL/JKCW/A/Z4

Name & Address of the Porty:

M/s JK Cement Works

Mohan Bari Road Jharll - 124106

Distt - Jhaffar (HARYANA)

Report No.:

VEL/A/221121H024

Format No.: Party Reference No.: 7.8 F-03 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

Scape of Manitoring

Control measure if Any

Sampling & Analysis Protocol Parameter Regulred

Mr. Kapil Agrawal (Unit Head)

Vardar Enviro Lab Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/IA & VEL/FPS/04

Calibrated

Clenn Sky

19/11/2022 (6/20/11/2022

24.0 hours

Mint, 18,0°C Max 30,0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

IS-3182 & CPCB Guideline

PM<sub>13</sub> PM<sub>10</sub> NO<sub>2</sub> SO:

#### TEST RESULTS

S. No.	Paranieter	Protocol	Retulf	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.1</sub> )	18:5182(P-24), Gravimetrie Melhod	29.19	μg/m <sup>1</sup>	60
2.	Particulate Matter (PM »)	IS, 5182 (P-23), Gravimetric Mexhod	46.68	μg/m <sup>1</sup>	100
š.	Nitrogen Diaxide (NO;)	IS, \$182 (PHi), Jacob & Hootheiser	20.92	µg/m²	80
4	Sulphin Dioxide (8O <sub>2</sub> )	18: 5182 (P-2). Modified West and Gaeke	7.68	μg/m²	8.0

\*NAAQS - National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-sect-31i)] 18.11.2009.

SOP- Laboratory Standard Operating Procedure



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

# Test Report

Sample Number:

VEL/JKCW/A/25

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharil - 124106

Distt - Jhujjur (HARYANA)

Report No.:

VEL/A/221 (280025)

Format No.:

7.8 F-03

Party Reference No.: 46000892079 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

Sample collected by

Sampling Location

Instrument Used

Instrument Cade

Instrument Colibration 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 Agravval (Unit Head)

Vardan Enviro (Lab Representative (Minkesh Charatra)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL-RDSOL & VEL/FPSAM

Calibrated Clean Sky

22/11/2022 on 23/11/2022

24.0 hours

Min. 17.0°C Max 29.0°C

Harnan, Vehicular and Coment plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM 24 PM In NO. SO:

### TEST RESULTS

S. No.	Parameter	Protocof	Result	Unit	NAAQS*
1.	Particulare Matter (PM <sub>20</sub> )	IS:5183(P-24), Gravimetric Method	38.16	Jug/ma <sup>3</sup>	90
2.	Particulate Matter (PM ;-)	15: 5132 (P-23), Gravimetrie Method	59.69	populari*	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	15: 5182 (P46), Jacob & Hochheiser	21.67	ive/m³	80
4,	Sulphur Discode (SO <sub>2</sub> )	TS: \$182 (P-2), Mndified West and Gacke	10.50	μιým'	K0

\*NAAQS National Ambient An Quality Standards, Schedule-VII, [Rufe 3 (3B)], [Part-II-sec.-5(n] 18.11.2009.

SOP- Laboratory Standard Operating Procedure



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

# Test Report

Sample Number:

Name & Address of the Party:

VEL/JKCW/A/26

M/s JK Cement Works

Mahan Bari Road Jiharli - 124106

Disti - Jhajjar (HARYANA).

Report No.:

VBL/A/2211289026

Format No.:

7.8 F-03

Party Reference Note: 46000012079

Dated- 16,05,2022

Reporting Date:

02/12/2022

Period of Analysis:

28/11/2022 to 02/12/2022

Receipt Date:

29/11/2022

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 (Mokesh Chancre)

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

22/11/2022 to 23/11/2022

24.0 hours

Min. 17.0°C Max 29.0°C

Human, Vehicular and Coment plant activaties

Regulatory Requirement

Water Sprinkling

FS-5182 & CPCB Guideline

PM<sub>33</sub>, PM<sub>34</sub>, NO<sub>2</sub>, SO<sub>2</sub>,

#### TEST RESULTS

S. No.	Parameter	Profocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24), Gravimetric Method	37.56	Jug/m <sup>3</sup>	60
2.	Particulate Matter (PM ic)	15: \$182 (P-23), Gravinetric Method	53.46	p.g/m²	100
3,	Nitrogen Diexide (NO <sub>7</sub> )	15: 5182 (P-6), Jacob & Hochheiser	26.60	աթ.ա՝	80
4	Salphar Dioxide (SO <sub>5</sub> )	TS, 5182 (P-2). Modified West and Gacke	9.12	μg/m <sup>2</sup>	30

\*NAAQS - National Ambient Air Quality Standards, Schedule-VII. (Rule 3 (3B)). [Part-Il-sec -2n)] 18.11.2999.

SOP, Laboratory Standard Operating Procedure



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

# **Test Report**

Sample Number:

VEL/JKCW/A/27

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jhacli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2211280027

Format No.:

7.8 F+03

Party Reference No.:

4600082079

Dated- 16.65.2022

Reporting Date:

Bested of Apolesia

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

Sample collected by

Sampling Lacation

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 Heath)

Varilan Envirol ab Representative (Makesh Chandra)

Railway Ling Slde

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

23/11/2022 to 24/11/2022

24.0 hours

Min. 16.0°C Max 27.0°C

Homan, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

ES-5182 & CPCB Guideline

PMax PMH NO. 30:

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unic	NAAQ8*
1,	Particulate Matter (PM25)	18.5182(P.24), Gravimetric Method	38.66	ne/m)	60
2.	Particulate Matter (PM-p)	18, 5182 (P-23), Gravimetric Method	61.22	Lg'm'	100
3,2	Vitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochheiser	25.44	lig'nn'	80
4,	Sulphur Dioxsie (SO <sub>2</sub> )	18; 5152 (P-7). Modified West and Gneke	8,07	tig'm²	Rel

<sup>\*</sup>NAAOS National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (7B)], [Part-II-sec,-3ri)] 15 11 2009

<sup>&</sup>lt;sup>1</sup>SOP- Laboratory Standard Operating Procedure



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- To confirm the authenticity of this certificate of energies, please contact us through email at lab@verdan.co.in
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Laboratory, Plot No. 82A, Sector • 5, IMT Manesar, Gurugram • 122051 [Hr] ISO 9001 | ISO 14001 | ISO 45001

# Test Report

Sample Number:

VEL/JIKCW/A/28

Name & Address of the Purty:

M/s JK Cement Works

Mohan Barl Road Jharli - 124106

Distl - Jhajjar (HARYANA)

Report No.:

VEL/A/22112R0028

Format Nn,: 7,8 F-03

Party Reference No.: 4600082079

Dated- 16,05,2022

Reporting Date:

02/12/2022

Period of Analysis:

28/E1/2022 to 02/12/2022

Receipt Date:

28/11/2022

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

This of Monitoring Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control messure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapif Agrawal (Unit Head)

VardanEnviroLab Representative (Mukesh Chandra)

Neur Wagon Tippler

RDS & FPS sampler with all Accessories

VBURDS/04 & VEL/FPS/04

Calibrated

Clear Sky

23/11/2022 to 24/11/2022

24.0 hours

Mir. 16.0°C May 27.0°C

Human, Vehicular and Centon plant activities

Regulatory Requirement

Yes

IS-5182 & CPCB Guideline

PM<sub>23</sub> PM<sub>14</sub> NO<sub>2</sub> SO<sub>2</sub>

# TEST RESULTS

8. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I,	Particulate Maner (PMg s)	JS 5182(P-24), Gravimetric Method	30 16	pagem²	60
2.	Particulate Matter (PM ip)	IS: 5182 (P-23), Gravimetrie Method	59 12	ue/m	100
3	Nitrogen Diovide (NO-)	IS: 5182 (P-6), Jacob & Hochheiser	25.71	ug/m"	80
4.	Sulphur Daoxide (SO <sub>2</sub> )	TS: 5182 (P-2), Modified West and Gaeke	9.42	jug/m	80

cNAAQ5 - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part III-sec. -S(r)] 18.11.2039.

\*SOP- Laboratory Standard Operating Procedure



Terms & Conditions

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This beginned in this compact, shell not be recording to be seen of the without sold within advanced in the recording

To confirm the destroyed disks conflicted of description, plants contact up through samples happy replanted in

underwind pursual symposition for the applicability of physiocopical last support. The last sure plan half be reliabled easy for specific

This less report will not be used for published of advertising or muchs purpose advant poor written partition on the track.

Companies one reliciply problement of the lacked same by the lat. Unes no circumstance. For all straight any likelity decided by the size or secure of (spinal report





Laboratory: Plot No. 82A, Sector - \$, IMT Manesar, Gurugram - 122051 (Hi) 150 9001 | 150 14001 | 150 45001

# Test Report

Sample Number:

VEL/INCW/A/29

Name & Address of the Party:

M/s JK Centent Works

Mohan Barl Road Jharli - 124106 Distt - Jhojjar (HARYANA)

Report No.:

VEL/A/2211280029

Format No.:

7.B. IVAKS

Party Reference No.:

4600082079

Datest- 16:05,2022

Reporting Date:

02/12/2022

Period of Analysis:

28/11/2022 to 02/12/2022

Receipt Date:

2R/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 Munitoring

Time of Maniforing

Ambient Temperature (°C) Surrounding Activity

Scope of Monitoring Control theasure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (Unit Head).

Vardan Enviro Lah Representative (Mukesh (Chandra)

Near Cate No-1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VTIT/PS/01

Calibrated

Clear Sky

25/19/2022 to 26/11/2022

24.6 hours

Mm. 16 0°C Max. 30 0°C

Human. Vehicular and Coment plant activities

Regulatory Requirement

Water Sprinkling

4S-5182 & CPCB Guideline

PM-3, PM r NO2, 5O2

#### TEST RESULTS

5. No.	Parameter	Protocol	Result	Unit	NAAQS** Limit
L	Particulate Matter (PM <sub>20</sub> )	18:5132(P-24), Gravienotric Method	20.05	дд/пі	60
2,	Particulate Matter (PM a)	15: 5182 (P-23), Gravimetric Method	51.68	p.g/m²	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hookhoiser	26.11	pg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	15: 51x2 (P-2), Mndiffed West and Gacke	8.88	pg/m²	80

"NAAQS - National Ambient Air Quelity Standards; Schedule-VII, [Rule 3 (3B)], [Pan-II-sec.-3(r)] 18.11.2009.

SOP- Laboratory Standard Operating Procedure





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 Chaing opinions does not imply endopment of the trialed sample by the lab. Under no circumstances, the lab excepts any list.





Laboratory: Plot No. B2A, Sector - 5, IMT Manesar, Gurugram - 1220S1 [Hr]. ISO 9001 | ISO 14001 | ISO 45001

# Test Report

Sample Number:

VBL/JKCW/A/30

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 1241H6

Distt - Jhajjan (HARYANA)

Report No.:

VEL/A/2211280030

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16,05,2022

Reporting Date:

02/12/2021

Period of Analysis:

28/11/2022 to 02/12/2022

Receipt Date:

28/11/2032

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 numitoring

Date of Monitoring

Time of Monitoring

Addient Tentperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol. Parameter Required

Mr. Kapil Agrawal (Unit Hend)

Varilan Envirol. ab Representative (Mukesh Chambra).

Near Cate No -2

RDS & FPS vampler with all Accessories

VEL/RDS/02 & VEL/F98/02

Calibrates Clear Sky

25/11/2022 to 26/11/2023

24.0 hours

Min. 16.0°C Max. 30.0°C

Human, Vehicular and Cement plant scrivities

Regulatery Requirement

Water Sprinkling

IS-\$132 & CPCB Guideline

PM24, PM ID NO2, SO;

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Parriculate Matter (PM )	IS:5182(P-24), Gravimetric Method	30.57	дд/m²	60
2.	Particulate Matter (PM p.)	IS: \$182 (P-25), Gravimetric Method	52.16	p.g/m	[00]
3.	Narogen Dioxide (NOs)	18: 5132 (P-6), Jacob & Hochleiser	19.86	րբ/m"	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	18: \$182 (P-2). Modified West and Gacke	×.55	'ווישעון	k0

\*NA AOS = National Ambient Air Quality Standards; Schedule-VII, "Role 3 (3B)], [Part-II-sec -3(i)] 18 11.2009.

SOP- Laboratory Standard Operating Procedure





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

# Test Report

Sample Number:

VELUKCW/A/31

Name & Address of the Party:

M/s JK Cement Works

Mohun Bari Road Jharil - 124106

Disti - Jhajjor (HARYANA)

Report No.:

VEL/A/2213280031

Formist No.:

7.8 8403

Party Reference No.: 4600082079

Duted- 16,05,2022

Reporting Date:

02/12/2022

Perind of Analysis:

28/11/2022 to 02/42/2022

Receipt Date:

28/11/2022

Sample Description:

AMBIENT AIR QUALITY MONITORING.

General Information:-

Chent Representative

Sample collected by

Sampling Leepflon

Instrument Used Instrument Code

Instrument Calibration Status

Meteorological condition during maintaining

Date of Monitoring

Time of Monitoring

Ambient Temperature ("C)

Surrounding Activity

Scope of Monitoring Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kupil Agrawal (Unit Hend)

Vardan Enviro Lab Representative (Minkesh Chandra)

Railway Line Side

RDS & PPS sampler with all Accessories

VEL/RDS/03 & VEL/TPS/01

Calibrated

Clear Sky

26/11/2022 to 27/11/2022

24 O beauts

Min 16.0°C Max. 31.0°C

Huntain, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

15-5182 & CPCB Guideline

PMts PM in NO. SO:

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM2x)	18 5182(P-24), Gravimetric Method	25.89	ug/m³	60
2	Particulate Matter (PM <sub>11</sub> )	15: 5182 (P-23), Gravimetric Method	59.00	ng/ac*	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6), Jacob & Hochlieiser	26.75	ալը/դր՝	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	15: 5182 (P-2), Modified West and Gaeke	9.56	ag/m²	80

\*NAAQS - National Ambient Air Quality Standards, Schedute-Vff, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

"SOP- Laboratory Standard Operating Procedure



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

# Test Report

Sample Number:

VEL/JKCW/A/32

Name & Address of the Party:

M/s JK Coment Works

Mohan Bari Road Jharth - 124106

Distt - Jhajjur (HARYANA)

Report No.:

VEL/A/2211280032

Format No.:

7.B 17403

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 AIR QUALITY MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Lucation

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Bate of MonHoring

Time of Monitoring

Ambient Temperature (°C)

Sorrounding Activity

Scope of Monitoring Control measure if Any

Sampling & Analysis Protocol

Parameter Required

Mr. Kapil Agrawal (I/ni) Head)

VardanEnviroLan Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VELZROS/IM W. VRLTEPS/04

Calibrated

Clean Sky

26/11/2022 to 27/11/2022

24.0 hours

Min 16.0°C Max. 31.0°C

Human, Vehicular and Content plant activities

Regulatory Requirement

IS-5182 & CPCB Guideline

PM<sub>20</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Printneol	Result	Unit	NAAQS* Limit
L.	Particulate Matter (PM <sub>13</sub> )	15 5182(P-24), Gravimetric Methed	32.56	дц/m²	60
2,	Particulate Matter (PM n.)	15: 5182 (P-23), Gravimetric Method	56.83	μg/m²	100
3,	N negen Diaxide (NOs)	15: 5182 (P-9), Jacob & Hothbeiser	21.69	μμ/m²	50
4.	Sulphur Diexide (80 <sub>5</sub> )	18: 5182 (P-2), Modified West and Gaeke	7.55	ate/m <sup>3</sup>	30

\*NAAQS = National Ambietti Air Quality Standards; Schedule VII, [Refe 3 (28)], [Partill-sec., 5(ii)] 18 12,20(9).

SOP- Laboratory Standard Operating Procedure





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Sample Number:

Name & Address of the Party:

VEL/A/01

M/s JK Cement Works

M/s JK Cement Works Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212120001

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. Kapīl 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 Clear Sky

Meteorological condition during monitoring 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

: PM23, PM10, NO2, SO1

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
4.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	38.69	ug/m²	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	57.35	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.87	µg/m²	80
4.	Sufplair Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6,48	μg/m <sup>3</sup>	80

\*NAAQS - National Ambient Air Quality Standards; Schodule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009, \*SOF Laboratory Standard Operating Procedure





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Sample Number:

VEL/A/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212120002

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

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 Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

05/12/2022 to 06/12/2022

24.0 hours

Min. 16.0°C Max. 29.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM<sub>2.8</sub>, PM<sub>30</sub>, NO<sub>2</sub>, SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	35.27	µg/m³	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	53.21	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.59	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.57	µg/m <sup>3</sup>	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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Sample Number:

VEL/A/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212120003

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

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

06/12/2022 to 07/12/2022

24.0 hours

Min. 15.0°C Max. 26.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM21 PM22 NO. SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
The .	Particulate Matter (PM <sub>2,3</sub> )	IS:5182(P-24)	41.78	$\mu g/m^3$	60
2.	Particulate Matter (PM to)	IS: 5182 (P-23)	59.73	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.76	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.12	pg/m²	80

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

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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/2212120004

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

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

Intermittent Clouds

06/12/2022 to 07/12/2022

24.0 hours

Min. 15.0°C Max. 26.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1,	Particulate Matter (PM25)	IS:5182(P-24)	30.45	µg/m³	60
2.	Particulate Matter (PM <sub>16</sub> )	IS: 5182 (P-23)	50.46	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.69	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.12	ug/m³.	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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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/2212120005

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

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 Gate No -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

08/12/2022 to 09/12/2022

: 24.0 hours

Min. 15.0°C Max. 29.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1 IS-5182 & CPCB Guideline

: PM23, PM111, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	38.10	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	55.10	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.78	μg/m³	80
4,	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.92	µg/m <sup>3</sup>	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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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.: Format No.: VEL/A/2212120006

Party Reference No.:

4500082079

7.8 F-03

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

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 Gate No -2

: RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

: Clear Sky

08/12/2022 to 09/12/2022

: 24.0 hours

Min. 15.0°C Max. 29.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM16 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM23)	IS:5182(P-24)	32.89	pu/m³	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	55.41	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	21.93	μg/m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.36	ag/m³	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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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/2212120007

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

Intermittent Rain

09/12/2022 to 10/12/2022

24.0 hours

Min. 16.0°C Max. 30.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM25, PM10, NO2, SO2

# TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM <sub>2.7</sub> )	IS:5182(P-24)	34,48	µg/m³	60
2,	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	54.76	µg/m	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.13	μg/m³	80
4,	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.66	µg/m³	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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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/2212120008

Format No.: 7.8 F-03

4600082079

Party Reference No.:

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

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)

Vordan EnviroLab Representative(Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Intermittent Rain

09/12/2022 to 10/12/2022

: 24:0 hours

: Min. 16.0°C Max. 30.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182& CPCB Guideline

: PM25 PM10 NO. SO.

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24)	39.01	μg/m³	60
2,	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.82	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.08	µg/m <sup>A</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.44	un/m <sup>3</sup>	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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#### Terms & Conditions

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Sample Number:

VEL/A/09

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212190009

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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 Enviro Lab Representative (Mukesh Chandra)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

12/12/2022 to 13/12/2022

24.0 hours

Min. 15.0°C Max. 27.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM21 PM16 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	30.25	µg/m³	60
2.	Particulate Matter (PM <sub>36</sub> )	IS: 5182 (P-23)	59.13	µg/m³	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.68	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.87	µg/m³	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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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

Dated- 16.05.2022

Format No.:

7.8 F-03

Party Reference No.:

4600082079

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

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)

VarifanEnviroLab Representative (Mukesh Chandra)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

: Clear Sky

12/12/2022 to 13/12/2022

: 24.0 hours

: Min. 15.0°C Max. 27.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM23, PM10, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I.	Particulate Matter (PM23)	IS:5182(P-24)	33.39	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59,20	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27,66	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.03	ue/m³	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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Sample Number:

VEL/A/11

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Read Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212190011

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Railway Line Side

: RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

: 13/12/2022 to 14/12/2022

24.0 hours

Min. 15.0°C Max. 27.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM<sub>23</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	IS:5182(P-24)	36.08	µg/m²	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.74	µg/m³	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6)	21.38	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	6.74	µg/m²	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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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/2212190012

Format No.:

7.8 F-03 4600082079

Dated- 16.05,2022

Reporting Date:

24/12/2022

Period of Analysis:

Party Reference No.:

19/12/2022 to 24/12/2022

Receipt Date:

19/12/2022

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)

VardanEnviroLab Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Clear Sky

13/12/2022 to 14/12/2022

: 24.0 hours

: Min. 15.0°C Max. 27.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: 18-5182 & CPCB Guideline

: PM25 PM16 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
L	Particulate Matter (PM23)	IS:5182(P-24)	32.85	µg/m <sup>3</sup>	60
	Particulate Matter (PM m)	IS: 5182 (P-23)	55.70	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.76	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.24	Lig/m³	80

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

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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/2212190013

Dated-16.05.2022

Format No.:

7.8 F-03

Party Reference No.:

4600082079

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

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 -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

15/12/2022 to 16/12/2022

: 24.0 hours

Min. 13,0°C Max. 26,0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25, PM10, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	39.44	µg/m²	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.67	μg/m²	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.24	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.14	µg/m³	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 no. with Suffix A-Amended Report. This test open will not be used for publicity or otwerleing or media purpose without prior written permission on the laboratory.

Giving opinions does not imply endossement of the tested sample by the tab. Under ne circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Sample Number:

VEL/A/14

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212190014

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

15/12/2022 to 16/12/2022

24.0 hours

: Min. 13.0°C Max. 26.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 15-5182 & CPCB Guideline

: PM2,t, PM30, NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	37.18	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.78	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.11	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.80	µg/m³	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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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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

16/12/2022 to 17/12/2022

24.0 hours

Min. 13.0°C Max. 28.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

PM<sub>25</sub> PM<sub>16</sub> NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM23)	IS:5182(P-24)	34.78	µg/m²	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56.18	µg/m³	100
3.	Nitrogen Diexide (NO <sub>2</sub> )	18: 5182 (P-6)	26.92	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.22	µg/m <sup>1</sup>	80

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

<sup>&</sup>quot;SOP- Laboratory Standard Operating Procedure



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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/2212190016

Format No.: Party Reference No.:

4600082079

Dated- 16.05.2022

7.8 F-03

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

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

16/12/2022 to 17/12/2022

24 ft hours

Min. 13.0°C Max. 28.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

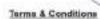
: IS-5182 & CPCB Guideline

: PM23, PM31, NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	IS:5182(P-24)	38.58	µg/m³	60
2	Particulate Matter (PM in)	IS: 5182 (P-23)	56.08	µgg/tm <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25,78	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.26	μg/m³	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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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/2212260017

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16.05,2022

Reporting Date:

30/12/2022

Period of Analysis:

26/12/2022 to 39/12/2022

Receipt Date:

26/12/2022

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)

: VardanEnviroLab Representative (Mukesh Chandra)

Near Gate No -I

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

: 19/12/2022 to 20/12/2022

24.0 hours

Min. 14.0°C Max. 28.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM25, PM 80, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2,5</sub> )	IS:5182(P-24)	37.88	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.80	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.42	μg/m <sup>4</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.62	pg/m <sup>3</sup>	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

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The report no. with Saffix in Amended Report.
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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 30/12/2022

Reporting Date: 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

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

19/12/2022 to 20/12/2022

24.0 hours

Min. 14.0°C Max. 28.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

15-5182 & CPCB Guideline

PM<sub>25</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	31,48	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.11	µg/m <sup>8</sup>	100
3.	Nitrogen Diexide (NO <sub>2</sub> )	IS: 5182 (P-6)	21,22	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.49	µg/m³	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

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**建建设产业的金额投资和企业的公司工程的工程则是转过** 

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/2212260019

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

20/12/2022 to 21/12/2022

24.0 hours

Min. 14.0°C Max. 25.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM21, PM30, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM21)	IS:5182(P-24)	37.69	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.16	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.92	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.82	µg/m³	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

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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 4600082079

Party Reference No.:

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

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

: Intermittent Rain

: 20/12/2022 to 21/12/2022

: 24.0 hours

Min. 14.0°C Max. 25.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

: 18-5182 & CPCB Guideline

PM25, PM10, NO2, SO2

#### TEST RESULTS

5. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM23)	(S:5182(P-24)	38.33	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.76	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.14	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.98	µg/m³	80

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

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## Terms & Conditions

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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 4600082079

Party Reference No.:

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

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 -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

: Calibrated

Clear Sky

: 22/12/2022 to 23/12/2022

24.0 hours

Min. 12.0°C Max. 25.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>23</sub> )	1S:5182(P-24)	33.69	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	JS: 5182 (P-23)	59.86	μg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.44	μg/m²	80
4.	Sulphur Dioxide (SO-)	IS: 5182 (P-2)	7.78	ug/m³	80

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

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Dr Shiv

Sample Number:

VEL/A/22

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharfi - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212260022

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

22/12/2022 to 23/12/2022

Min. 12.0°C Max. 25.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM18 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.7	Particulate Matter (PM25)	IS:5182(P-24)	35.66	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM to)	IS: 5182 (P-23)	57.49	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.42	µg/m³	80
4.	Sulphur Dioxide (SO-)	IS: 5182 (P-2)	8.40	sig/m <sup>3</sup>	80

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

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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/2212260023

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated Clear Sky

23/12/2022 to 24/12/2022

24.0 hours

Min. 12.0°C Max. 25.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 15-5182 & CPCB Guideline

; PM24, PM10, NO2, SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM=5)	IS:5182(P-24)	42,78	μg/m <sup>a</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.83	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.59	µg/m³	80
4	Sulphur Dioxide (SO+)	IS: 5182 (P-2)	9.20	µg/m <sup>3</sup>	80

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

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Sample Number:

VEL/A/24

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.: Format No.: VEL/A/2212260024

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

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

23/12/2022 to 24/12/2021

: 24.0 hours

Min. 12.0°C Max. 25.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

1S-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
4	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	33,36	μg/m²	60
1.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.72	μg/m³	100
2.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18,94	µg/m³	80
3,	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.38	µg/m³	80

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

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Sample Number:

VEL/A/25

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212310025

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)

: VardanEnviroLab Representative (Mukesh Chandra)

: Near Gate No -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

: Clear Sky

: 26/12/2022 to 27/12/2022

: Min. 11.0°C Max. 24.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

1 IS-5182 & CPCB Guideline

; PM25, PM10, NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM23)	IS:5182(P-24)	36.00	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.23	μ <u>μ</u> /m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.56	μ <u>α</u> /m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	09.44	µg/m³	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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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/2212310026

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)

VardanEnviroLab Representative (Mukesh Chandra)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

: Clear Sky

26/12/2022 to 27/12/2022

24.0 hours

Min. 11.0°C Max. 24.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	39,88	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59,02	µg/m <sup>5</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	29,77	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	9.47	µg/m³	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

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 Diving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts say liability saused by the use or resource of the 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 4600082079

Party Reference No.:

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

1 Mr. Kapil Agrawal (Unit Head)

: VardanEnvirol.ab Representative (Mukesh Chandra)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

: Clear Sky

: 27/12/2022 to 28/12/2022

Min. 11.0°C Max. 24.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

PM24. PM10. NO2. SO2

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	35.71	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.06	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.35	μg/m³	80
4	Sulphur Diexide (SO <sub>1</sub> )	(S: 5182 (P-2)	9.12	µg/m³	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

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 Giving opinions does not imply endorsement of the lasted cample by the lab. Under no circumstances, the lab accepts any liability caused by the use or missas of the last 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

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

: 27/12/2022 to 28/12/2022

: 24.0 hours

: Min. 11.0°C Max. 24.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Yes

: 1S-5182 & CPCB Guideline

1 PM23 PM18 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	36.55	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	57.13	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.15	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.77	µg/m <sup>3</sup>	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 no, with Suffix A-Amended Report.

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VEL/A/29

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharfi - 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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

: Clear Sky

: 29/12/2022 to 30/12/2022

: 24.0 hours

Min. 10.0°C Max. 25.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM24, PM10, NO1, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1,	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	31,47	μg/m³	60
2,	Particulate Matter (PM 10)	IS: 5182 (P-23)	59.66	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.35	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.85	μg/m³	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 e-rail of labigivardan so in

Laboratory is not responsible for the authenticity of photocopied test report. The feet samples will be notained only for specific period

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Sample Number:

VEL/A/30

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Read Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212310030

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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)

: VardanEnviroLab Representative (Mukesh Chandra)

: Near Gate No -2

: RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

: Clear Sky

: 29/12/2022 to 30/12/2022

24.0 hours

: Min, 10.0°C Max, 25.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM2 s. PM10, NO .: SO .:

# TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	33.24	µg/m³	69
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.73	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.56	pg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.68	µg/m³	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 no, with Suffix A-Amended Report.

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Sample Number:

VELJA/31

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2212310031

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)

: VardanEnviroLab Representative (Mukesh Chandra)

Railway Line Side

: RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

: Calibrated

: Clear Sky 30/12/2022 to 31/12/2022

: 24.0 hours

Min. 10.0°C Max. 24.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM23, PM m. NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM23)	1S:5182(P-24)	42.02	μ <u>α</u> /m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.18	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.16	µg/m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS; 5182 (P-2)	8.44	μg/m³	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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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 Enviro Lab 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

1S-5182 & CPCB Guideline

PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	33.06	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.61	µg/m³	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.48	μg/m³	80
4	Sulmbur Dioxide (SOs)	IS: 5182 (P-2)	7.36	μg/m³	80

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

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Sample Number:

Name & Address of the Party:

VEL/A/01

M/s JK Cement Works Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301090013

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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated Clear Sky

92/1/2023 to 93/01/2023

24.0 bours

Min. 11.0°C Max. 24.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM25, PM10, NO2, SO2

# TEST RESULTS.

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM24)	15:5182(P-24)	35.19	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	49.66	µg/m²	001
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	21.49	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.12	µg/m <sup>2</sup>	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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Sample Number:

Name & Address of the Party:

VEL/A/03

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301090015

Format No.:

7.8 F-03

Party Reference No.:

4600082079

Dated- 16.05,2022

Reporting Date:

13/01/2023

Period of Analysis: Receipt Date:

09/01/2023 to 13/01/2023

09/01/2023

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)

: Vardan EnviroLab Representative(Mukesh Chandra)

: Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

02/01/2023 to 03/01/2023

24.0 hours

Min. 11.0°C Max. 24.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM23, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
t.	Particulate Matter (PM2s)	IS:5182(P-24)	30.89	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.22	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	29.01	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.92	μg/m³	80

\*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009. "SOF Laboratory Standard Operating Procedure



# Dr Shi Approved B.

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Sample Number:

VELJA/05

M/s JK Cement Works

Report No.: Format No.: VEL/A/2301090017

Name & Address of the Party:

Party Reference No.:

7.8 F-03 4600082079

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

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

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 EnviroLah Representative(Mukesh Chandra)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

03/01/2023 to 04/01/2023

: 24.0 hours

: Min. 10.0°C Max. 23.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2 s PMm NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I.	Particulate Matter (PM24)	IS:5182(P-24)	40.24	μg/m³	.60
2.	Particulate Matter (PM II)	IS: 5182 (P-23)	52,14	μg/m <sup>2</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.66	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.22	µg/m <sup>5</sup>	80

<sup>\*</sup>NAAOS - 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 legal regard will not be used for publishy or selvertising or needs purpose without prior writers permission on the laboratory.

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Sample Number:

Name & Address of the Party:

VELJA/07

M/s JK Cement Works Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301090019

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

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

Intermittent Clouds

03/01/2023 to 04/01/2023

24.0 hours

Min. 10.0°C Max. 23.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: IS-5182 & CPCB Guideline

: PM2s PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	36.74	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56.92	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.61	μg/m³	80
4.	Sulphur Dioxide (SO <sub>7</sub> )	IS: 5182 (P-2)	7.79	μg/m³	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 protocopied test report. The test samples will be relatived only for spec-

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The test report will not be used for publicity or advertising or mode purpose without prior written perm

e, he let ecoeps are liability caused by he use or misuse of the lost report.

Sample Number:

Name & Address of the Party:

VEL/A/02

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301090014

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

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 Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

05/01/2023 to 06/01/2023

24.0 hours

Min. 09.0°C Max. 24.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2x PMot NOt SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2,5</sub> )	1S:5182(P-24)	39.57	μg/m³	60
2	Particulate Matter (PM te)	IS: 5182 (P-23)	53.75	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	24.08	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	6.58	µg/m³	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 eathersisty of this certificate of analysis, please contact up through email at languagement could be a provided by the samples and the special prior of the certificate of provided points.
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The report or with Sadtu-K-Amendiad Risport.
The text report will not be used for publicity or advertising or media purpose without preview that permission on the laterator Gaining opinions above not imply endurancement of the fasted compile by the lab. Under no circumstances, the lab accepts any nose, the last accepts any liability saused by the use or minute of the test report.

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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/2301090016

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

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 Gate No -2

: RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

: Clear Sky

= 05/01/2023 to 06/01/2023

: 24.0 hours

: Min. 09.0°C Max. 24.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM++)	IS:5182(P-24)	37.29	µg/m³	60
2.	Particulate Matter (PM to)	(S: 5182 (P-23)	57.33	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.82	µg/m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.24	µg/m³	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 respected for the authoritizity of prints

The report to, with Suffix A-Amendial Report. This test report will not be used for publicly or so







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/2301090018

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

Intermittent Rain

06/01/2023 to 07/01/2023

24.0 hours

Min. 08,0°C Max. 22.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	32.11	µg/m³	60
2.	Particulate Marter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.92	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.88	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.45	µg/m <sup>3</sup>	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

Terms. A. Constitution.

The results reported relate only to the samples landed, in case sample is left drawn the nessits apply is the sample as received.

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The report not with Surfax A-Amended Report.

This test report will confirm used for publicity or adventising of medio purpose without prior nations particular on the lateratory.

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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/2301090020

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

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

Intermittent Rain

06/01/2023 to 07/01/2023

: 24.0 hours

: Min. 08.0°C Max. 22.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182& CPCB Guideline

PM25, PM26, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.7</sub> )	1S:5182(P-24)	38.46	μ <u>p</u> /m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	50.74	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.92	μg/m³	80
4	Sulphur Diexide (SO-)	IS: 5182 (P-2)	8,01	ug/m³	80

\*NAAOS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2909.

"5OP Laboratory Standard Operating Procedure





### Terms & Conditions

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To continue the authenticity of this continuate or annexes, present content or investigation and an annexes of the authenticity of photocopied test report. The less samples will be related terry for specific period.

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This less report will not be used for positiony or extentioning or media purpose without prior written permission on the relocations.

Giving opinions does not imply endocement of the lasted sample by the late. Under no disturminance, the last excepts any lastifity couled by the use or missions of the last report.

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Sample Number:

VEL/A/09

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2301160001

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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

: Calibrated

: Clear Sky

: 09/01/2023 to 10/01/2023

: 24.0 hours

Min. 11.0°C Max. 24.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2 s PM18 NO2 SO2

### TEST RESULTS

5. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM;s)	IS:5182(P-24)	33.56	μg/m²	60
2.	Particulate Matter (PM 11)	IS: 5182 (P-23)	56.33	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.16	μ <u>e</u> /m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.21	μg/m <sup>2</sup>	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 no. with Sulfu A-Amended Report.

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Giving opinions occur, not imply endorsement of the lactical sample by the lab. Under no or currelamone, the lab accepts any society cased by the use or mission of the lactical purpose.

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Sample Number:

VEL/A/II

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

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 09/01/2023 to 10/01/2023

24.0 hours

Min. 11.0°C Max. 24.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM23 PM in NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2+</sub> )	IS.5182(P-24)	38.47	μg/m³	60
2.	Particulate Matter (PM <sub>18</sub> )	IS: 5182 (P-23)	49.78	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22,39	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.89	µg/m³	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

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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 4600082079

Party Reference No.:

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

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)

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

10/01/2023 to 11/01/2023

24.0 hours

Min. 11.0°C Max. 26.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM25 PM16 NO: SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1	Particulate Matter (PM25)	1S:5182(P-24)	40.24	µg/m <sup>3</sup>	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	54.84	μg/m <sup>1</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.02	µg/m	-80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.13	μg/m <sup>3</sup>	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 & Coriditions

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Sample Number:

VEL/A/15

Name & Address of the Party:

M/s JK Cement Works

Mehan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301160007

Format No.:

7.8 F-03

Party Reference No.:

4600082079

Reporting Date:

20/01/2023

Period of Analysis:

16/01/2023 to 20/01/2023

Dated-16.05,2022

Receipt Date:

16/01/2023

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

10/01/2023 to 11/01/2023

24.0 hours

Min. 11.0°C Max. 26.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>2±</sub> )	15:5182(P-24)	31.79	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	59.35	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	19.89	μg/m²	80
A	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.49	µg/m¹	80

\*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 5 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

SOP- Laboratory Standard Operating Procedure



Terms & Conditions

Terms. 5. Corrections:

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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/2301160002

7.8 F-03 Format No.:

> 4600082079 Dated- 16.05.2022

Reporting Date:

20/01/2023

Period of Analysis:

Party Reference No.:

16/01/2023 to 20/01/2023

Receipt Date:

16/01/2023

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 (Mukesh Chandra)

Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

: Clear Sky

: 12/01/2023 to 13/01/2023

24.0 hours

: Min. 16.0°C Max. 23.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM2.5 PM 10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	30,18	µg/m³	60
2.	Particulate Matter (PM 12)	IS: 5182 (P-23)	53.29	μg/m <sup>*</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.04	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.87	µg/m³	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

Assertance as Scientifications.

The results reported states only to the earspies issued, in case sample is not dissen the results apply to the sample as explained.

This took apply in full or in year, shall not be expositured in any count of law without, prior written approved of the laboratory.

To confirm the endocratory of this methods of weatyne, please content as through around at integration, in in.

Laboratory is not responsible for the authoritiest of protocopied last report. The fact samples will be estamed only for specific period.

This test is port will not be used for publicity or advertising or media purpose without prior writter permission on the betweenoy.

Owing opinions does not imply enconsensant of the based sample by the lab. Undor no circumstances, the lab ecoupts any fieldity on ogits any flability squared by the use or missues of the last report.

(1000年1月1日 | 100 F |



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/2301160004

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

: 12/01/2023 to 13/01/2023

: 24.0 hours

: Min. 16.0°C Max. 23.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM24 PM16 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
T.	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	35.12	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	57.91	μg/m³	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.72	μg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.01	μg/m <sup>t</sup>	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



### Tenns & Conditions

Terms. 5. Conditions

The results reported riside only to the samples tested, in case sample is not drawn the needle apply in the sample as resolved.

This test report is full on in part, staff not be represented in any count of law veltour, price written approved of the laboratory.

To confer the authenticity of the certificate of energies, please content us through email as badgewater, as in:

Laboratory is not responsible for the authenticity of photocopied but report. The test samples will be relatived only for specific period.

The report can with Suffer Antenneth Report.

This bed report will not be same for publicity or schemisting or media purpose without grien written permission on the laboratory.

Others operation store set stagsy endersement of the tested sample by the lab. Under no circumstances, the lab excepts any labelity set. one, the last ecompts any hability seasons by the uses or wiscons of the last report.







Sample Number:

VEL/A/14

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301160006

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

: VardanEnvirol.ab Representative (Mukesh Chandra)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

13/01/2023 to 14/01/2023

24.0 hours

Min. 15.0°C Max. 23.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM2.5. PM10. NO2. SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>24</sub> )	IS:5182(P-24)	37.69	µg/m	60
2.	Particulate Matter (PM III)	IS: 5182 (P-23)	51.92	μg/m <sup>1</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.55	μg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.31	μg/m <sup>3</sup>	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 complex tested, in case sample to not drawn the results apply to the complex excess. This head report is full on in part, shall not be reported one in any count of lies without jobs written approve of the laboratory. We centified the authorities of manager, please contact out through small at indigentation as in Laboratory is not responsible for the authorities of protections of the specific country.

The concert no. with Suffer A Arm This test report will not be used for publicly or advertising or media purpose without prior written aw Giving opinions does not imply endorsement of the taxted excepts by the late. Under no circumstance ec by the use or misuse of the test report.







Sample Number:

VEL/A/16

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharii - 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

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

Intermittent Rail

: 13/01/2023 to 14/01/2023

24.0 hours

Min. 15.0°C Max. 23.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

Yes

: 18-5182 & CPCB Guideline

: PM24 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>15</sub> )	IS:5182(P-24)	39.27	µg/m <sup>1</sup>	60
2	Particulate Matter (PM 10)	IS: 5182 (P-23)	52.32	µg/m³	100
2	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	29.04	µg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8,11	µg/m²	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 required relate rety to the samples leptint. If case sample is not dosen the results upon to the samples reported to any court of lear without pitor written approved of the "his confirm the authorities) of the restlicted of analysis, please tentiant is through ereal at indigeneous or the Laboratory is not responsible for the authorities of photocopied leptinesson. The fact samples will be related to the report on, with Sulfa A American Report.
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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 4600082079

Party Reference No.:

Dated-16.05.2022

27/01/2023

Reporting Date:

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)

: VardanEnviroLah Representative (Mukesh Chandra)

: Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

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

: 1S-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1	Particulate Matter (PM24)	IS:5182(P-24)	31.18	$\mu g/m^3$	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	54.71	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.56	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.07	μg/m <sup>3</sup>	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





The results reported notes only to the complex betted, in case sample is not observible results apply to the sample as in This heat report in luft on in year, shall not be reproduced in any over, of see extremy plan written approval of the sample. To confirm the collections of this certificate of analysis, please contact on through small at liability variance.

Laboratory is not respectable for the authemicity of photocopied test report. The test samples will be related only for specific period.

The report on, with Suits A-Amended Report.

This test report will not be used for publicity or selventaring or media-purpose without prior written permission on the laboratory.

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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 4600082079

Party Reference No.:

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 Coment plant activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PMz , PMin NO, SOz

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	33.78	μg/m <sup>1</sup>	60
2.	Particulate Matter (PM <sub>30</sub> )	IS: 5182 (P-23)	58.29	μg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	29,02	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.48	µg/m³	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



The results reported reside only to the samples tested, in case sample is not drawn the results apply to the sample as received.

This test report is fall on in part, shall not be reported of any cost of law without prior written appropriated the belowshore.

To confirm the authoritaty of this certificate of analysis, please contact us through enter a lab (gheaten on in Laboration) or the supported of the particular of protocopied test report. The test samples will be retained only for spoolis period.

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 This lept open will public used for publicly or attention or medic purpose without prior writers permission on the labora.
 Claring opening does not imply and exercises of the belief sample by the lab. Under no circumstance, the lab accepts any et by the use or release of the ted report. CONTRACTOR OF THE PERSON OF TH

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

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)

: VardanEnviroLah Representative (Mukesh Chandra)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

17/01/2023 to 18/01/2023

: 24.0 hours

Min. 07.0°C Max. 22.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

1S-5182 & CPCB Guideline

: PM23, PM11, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Pretocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM2s)	18:5182(P-24)	39.07	µg/m¹	60
2.	Particulate Matter (PM <sub>11</sub> )	IS: 5182 (P-23)	56.28	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.88	μg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.55	μg/m'	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





The results reported make only to the samples leaked, in case sample is not drawn the results apply to the sample service.

The test report in fall or in pict, shall not be reproduced in any court of law without prior written approved if the satisfacts of seaters, please contact us through email at leading-written court.

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The test report will notice used for publishy or selectioning or media purpose without prior written permission on the locount.

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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

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

Intermittent Rain

17/01/2023 to 18/01/2023

24.0 hours

Min. 07.0°C Max. 22.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

Yes

IS-5182 & CPCB Guideline

: PM<sub>2.8</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

# TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	41.01	μg/m³	60
2.	Particulate Matter (PM 11)	IS: 5182 (P-23)	59.79	μg/m <sup>*</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.66	μg/m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.01	μg/m³	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





Contract to the contraction of the complex tested, in case sengle is not drawn the results apply to the acropic as tested to the contract of the vertex. This local report is that arm part, shall not be reproduced in any court of law without prior written approved in the laboratory. To confirm the authenticity of the contracts of analysis, please contact us through armal at tability written could be contracted or physical produced the produced of the produced of the produced of the contract of the contract

countries of the last report. ement of the tested sample by the lab. Under no sixuands



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

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)

VardanEnviroLah Representative (Mukesh Chandra)

: Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

19/01/2023 to 20/01/2023

24.0 hours

Min. 08.0°C Max. 22.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM23, PM36, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	36.62	µg/m <sup>†</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	53.19	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.37	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.78	µg/m³	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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all report will not be used for publicly or advertising or media purpose without prior writter permission on the listoration, opinious alose not bright sentementant of the listed earspin by the last. Under no circumstances, the lest eccepts any til of by the use or miscon of the test report. 10101-0-6 01-4-1001-0-4-6

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/2301230017

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

: 19/01/2023 to 20/01/2023

24.0 hours

Min. 08.0°C Max, 22.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM23, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	30,88	μg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	51.37	μg/m³	100
1.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23,74	μg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.05	μg/m <sup>1</sup>	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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AND DESCRIPTION OF THE PERSON OF THE PERSON

Sample Number:

VEL/A/22

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharii - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301230019

7.8 F-03 Format No.:

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

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)

: Railway Line Side

: RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

: Calibrated

: Clear Sky

20/01/2023 to 21/01/2023

: 24.0 hours

: Min. 11.0°C Max. 25.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2+ PM36, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM2s)	1S:5182(P-24)	35.25	μg/m <sup>1</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	49.53	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	26,02	µg/m	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.67	µg/m³	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

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This test report will not be used for publicity or advertising or was soes. We lab accepts any liability caused by the use or missue of the last report.

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Sample Number:

VEL/A/24

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2301230021

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Clear Sky

20/01/2023 to 21/01/2023

24.0 hours

Min. 11.0°C Max. 25.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

IS-5182 & CPCB Guideline

: PM2.5, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM2s)	18:5182(P-24)	34.82	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	52.78	µg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.44	μg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.92	μg/m²	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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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/2301300001

7.8 F-03 Format No.:

4600082079 Party Reference No.:

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)

: VardanEnviroLah Representative (Mukesh Chandra)

: Near Gate No -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

: Calibrated

: Clear Sky

23/01/2023 to 24/01/2023

: 24.0 hours

: Min. 10.0°C Max. 23.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PMz, PMm NO, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM24)	IS:5182(P-24)	33.10	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	52.26	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.04	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.56	µg/m³	80

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

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### Terms & Conditions

The results reported visited only to the exception tested, in case sample is not drawn the results apply to the exception or . This test report in tall on in part, shall not be reproduced in any coult of low without prior written approves at the biddensitry in the confirmities extremitly of this certificate of analysis, please context as through email at led-glovedam.co.in!

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This test report will not be used for publicity or advertising or tredit pu

of sample by the lab. Under no sincurrestances. The lab accopis any liability spaced by the use or miscose of the 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 4600082079

Party Reference No.:

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)

: VardanEnviroLah Representative (Mukesh Chandra)

: Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/02 & VEL/FPS/02

Calibrated

Clear Sky

23/01/2023 to 24/01/2023

24.0 hours

Min. 10.0°C Max. 23.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM24 PM16 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM2s)	1S:5182(P-24)	35.69	μg/m <sup>†</sup>	60
2	Particulate Matter (PM 11)	IS: 5182 (P-23)	50.18	μg/m <sup>t</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.11	μg/m <sup>5</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.55	µg/m³	80

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

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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/2301300005

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

24/01/2023 to 25/01/2023

24.0 hours

: Min. 13.0°C Max. 23.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM22, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	15:5182(P-24)	39.01	μg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	54.71	µg/m"	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.89	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.79	μg/m <sup>1</sup>	80

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

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### Terms & Conditions

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- To written the authoritory of this sentiable of analysis, pease contact on through error or suggestion on in-Lancostary is not responsible for the authoritory of photocopied bot opport. The fact samples will be intained. The report on with Sulfix A-Amended Support.

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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.:

VELJA/2301300007

7.8 F-03 Format No.:

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

IS-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	36,46	µg/m²	60
2	Particulate Matter (PM <sub>ID</sub> )	IS: 5182 (P-23)	51.13	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.48	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.89	μg/m²	80

\*NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2909.

"SOP- Laboratory Standard Operating Procedure



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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/2301300002

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 Gate No -1

: RDS & FPS sampler with all Accessories

VEL/RDS/01 & VEL/FPS/01

Calibrated

Clear Sky

26/01/2023 to 27/01/2023

- 24.0 hours

: Min. 13.0°C Max. 26.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM<sub>2.3</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	1S:5182(P-24)	37.21	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23)	56.38	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22,59	µg/m³	80
4.	Sulphur Diaxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.01	µg/m²	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

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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/2301300004

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 Menitoring

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

: 26/01/2023 to 27/01/2023

24.0 hours

: Min. 13.0°C Max. 26.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

7 PM21 PM31 NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	1S:5182(P-24)	30.15	µg/m¹	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.69	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.50	µg/m¹	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.48	µg/m	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

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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/2301300006

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

27/01/2023 to 28/01/2023

: 24.0 hours

Min. 09.0°C Max. 22.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM2 PM NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>24</sub> )	IS:5182(P-24)	32,92	μg/m <sup>1</sup>	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	57.26	µg/m <sup>3</sup>	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	29.52	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	9.12	µg/m	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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Sample Number:

VEL/A/32

Name & Address of the Party:

M/s JK Cement Works

Mehan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301300008

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

27/01/2023 to 28/01/2023

24.0 hours

Min. 09.0°C Max. 22.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

IS-5182 & CPCB Guideline

PM25 PM10, NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM.s.)	IS:5182(P-24)	40.19	µg/m²	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55,22	µg/m <sup>5</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	21.92	µg/m	80
4	Salphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.02	μg/m³	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 traude reported reside only to the samples better, in case sample is not drawn the traude apply to the sample as most try, but apply and to fed on the part, shall not be reportured in any could of the nethodal prior within applying at the aboretory. To scorive the authenticity of this contribute of analysis, places contact as through entail at indifferential could be full scoriory and the samples will be instanted only for spec-

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Sample Number:

VEL/A/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302080004

7.8 F-03 Format No.:

4600082079 Party Reference No.:

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

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 01/02/2023 to 02/02/2023

24.0 hours

Min. 10.0°C Max. 22.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM2 \* PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQ8*
	Particulate Matter (PM <sub>2.4</sub> )	IS:5182(P-24)	32.69	µg/m³	60
1.		IS: 5182 (P-23)	47.24	µg/m²	100
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-6)	19.75	μg/m³	80
3,	Nitrogen Diexide (NO <sub>2</sub> )		6.56	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.56		-

\*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 issufts opported relate only boths samples tested, increase complete and dissent the issuits apply to the sample as nonlived.
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 Laboratory is not responsible by the pathenticity of photocopied less report. The test samples will be reformed only for specific period

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Sample Number:

VEL/A/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2302080005

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

04/02/2023 to 05/02/2023

: 24:0 hours

: Min. 13.0°C Max. 26.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PMJs PM to NO SO

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	37.78	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	51.33	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.18	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	(S: 5182 (P-2)	7.35	μg/m <sup>3</sup>	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 tosults reported values only to the asmoles lested. In case sample is not down the results apply to the sample as received.

This test report in fall or in part, shall boths exproduced in any control low whost, provider appoint in the laboratory.
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Loboratory is not responsible for the authoriticity of photocopied test report. The test samples will be returned 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 on the laboratory Giving contions about not imply andonwement of the bested somple by the lab. Sinder no circumstances, the lab accepts any liability caused by the use or insuce of the learneport.

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Sample Number:

VEL/A/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302080006

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

: 01/02/2023 to 02/02/2023

: 24.0 hours

; Min. 10.0°C Max. 22.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM22, PM30, NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	35.11	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.07	pg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.09	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.23	µg/m²	80

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

"SOP Laboratory Standard Operating Precedure



### **Terms & Conditions**

The results reported totals only to the samples lessed. In case sample is not drown the results reply to the sample as received.

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Laboratory is not responsible for the authenticity of photocopied lest report. The tool samples will be retained only for sourcits period. The report to, with Suffix Automobiol Report.

This best report will not be used for publicity or advertising or media purpose without prior written permission on the liaboration.

Giving opinions done not must and creament of the leated sample by the last. Under no consumations, the lab accepts any faculty coursed by the use or measure of the 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/2302080007

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

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

04/02/2023 to 05/02/2023

24.0 hours

Max. 26.0°C Min. 13.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

15-5182 & CPCB Guideline

: PM23, PM10, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
		1S:5182(P-24)	39.62	μg/m³	60
1.	Particulate Matter (PM <sub>2,5</sub> )	IS: 5182 (P-23)	53.11	µg/m³	100
2	Particulate Matter (PM <sub>10</sub> )	110000000000000000000000000000000000000	23.44	µg/m²	80
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	6.05	ug/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)		e +1 2000	1.000

\*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 leaded, in pase exemple is not drawn the results exply to the sample on recover

This test right in full or in part, shall not be represented in any count of low vertical prior written approval of the laboratory. To confirm the authoriticity of this controlled of analysis, placed contact as though a real of laboratory controlled for the authoriticity of photocopped had report. The test camples will be related only for specific period.

The test report will not be used for publicity or advertising or medic purpose without prior writer permission on the laboratory.

Giving opinions aloos not imply entorsement of the tested scenario species by the sids. Under no occumulatingos, the lab accepts, any liability caused by the use or initiate of the test water.





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 F-03 4600082079

Party Reference No.:

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

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

02/02/2023 to 03/02/2023

: 24.0 hours

: Min. 11.0°C Max. 25,0°C

; Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM<sub>2.5</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
-	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	30,88	µg/m³	60
7	Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23)	56.24	µg/m <sup>7</sup>	100
2	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.22	µg/m <sup>2</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.91	μg/m²	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

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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/2302080009

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

05/02/2023 to 06/02/2023

24.0 hours

Min. 13.0°C Max. 27.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2x PM10 NO2 SO2

## TEST RESULTS

S, No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
- 1	Particulate Matter (PM25)	1S:5182(P-24)	38.92	µg/m³	60
2	Particulate Matter (PM <sub>II</sub> )	IS: 5182 (P-23)	59,68	µg/m³	100
4.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.08	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.09	μg/m <sup>2</sup>	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

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To confirm the authenticity of this certificate of analysis, please contact us through email at labigivariance. It
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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 4600082079

Party Reference No.:

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

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)

: VardanEnviroLah Representative (Ravi)

: Near Wagon Tippler

: RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Intermittent Clouds

02/02/2023 to 03/02/2023

: 24.0 hours

: Min. 11.0°C Max. 25.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: 1S-5182 & CPCB Guideline

PM24 PM16 NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
-	Particulate Matter (PM <sub>25</sub> )	18:5182(P-24)	29.15	µg/m³	60
2	Particulate Matter (PM <sub>in</sub> )	IS: 5182 (P-23)	50.88	ug/m <sup>3</sup>	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.84	µg/m <sup>3</sup>	80
3	Sulphur Dioxide (SO-)	IS: 5182 (P-2)	5.88	µg/m²	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 lasted, in case sample is not down the results apply to the sample as received.
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To confirm the authenticity of this certificate of analysis, please confact as theough amaliest Bodysensetton in
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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/2302080011

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

Intermittent Rain

05/02/2023 to 06/02/2023

24.0 hours

: Min. 13.0°C Max. 27.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: 1S-5182& CPCB Guideline

: PM<sub>23</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	36.72	µg/m <sup>3</sup>	60
2	Particulate Matter (PM 10)	1S; 5182 (P-23)	52.44	µg/m <sup>3</sup>	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	21.67	µg/m <sup>2</sup>	80
A	Sulphur Dioxide (SO-)	IS: 5182 (P-2)	8,56	µg/m²	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 drawn the results apply to the sample as received.

This test report in this or in part, shall not be repositioned in any count of two without prior written exproved of the followatory.

To confirm the authenticity of this certificate of analysis, picase contact us through email of biogramatics. In

Laboratory is not require the for the authenticity of protocopied test report. The test samples will be retained only for exacting contact.

This lest report will not be used for pulsticity or advertising or modia purpose without prior written permission on the laboratory.

ment of this bashed sometime by the lab. Under no concentration, this lab accepts any liability caused by the use or reluyed of the less regard.



Sample Number:

VEL/A/09

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302150003

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

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

: 1S-5182 & CPCB Guideline

1 PM22, PM10, NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	35.05	µg/m <sup>4</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.41	μg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.56	μg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.54	µg/m³	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 no. with Suffix A-Amended Report.

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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/2302150004

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Pretocol

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

: 1S-5182 & CPCB Guideline

: PM2± PM10 NO2 SQ2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
	Production Matter (DM: A	IS:5182(P-24)	31.86	µg/m <sup>3</sup>	60
I.	Particulate Matter (PM <sub>25</sub> )	IS: 5182 (P-23)	51.32	µg/m <sup>3</sup>	100
2	Particulate Matter (PM <sub>10</sub> ) Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.29	μg/m²	80
3.	Salohur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.02	µg/m²	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 witherstorby of photocopied test report. The last samples will be retained only for specific period.

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PATERNAL REPORT OF THE PARTY AND ADDRESS OF TH

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.:

VELJA/2302150005 7.8 F-03

Fermat No.: 4600082079 Party Reference No.:

Dated-16.05.2022

20/02/2023 Reporting Date:

15/02/2023 to 20/02/2023 Period of Analysis:

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

15-5182 & CPCB Guideline

: PM2.5. PM 10. NO2. SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
400000		10.5182(0.24)	39.12	µg/m²	60
1.	Particulate Matter (PM2s)	1S:5182(P-24)	47.92	µg/m²	100
2.	Particulate Matter (PM:0)	IS: 5182 (P-23)	20.05	ug/m³	80
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	2000	1	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.22	µg/m	3652

\*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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ON THE REPORT OF THE PERSON NAMED IN COLUMN TWO IN COLUMN

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.:

4600082079

7.8 F-03

Party Reference No.:

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)

: VardanEnviroLah Representative (Ravi)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

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

: 1S-5182 & CPCB Guideline

: PM24 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	37.69	µg/m³	60
7	Particulate Matter (PM <sub>ID</sub> )	IS: 5182 (P-23)	53.21	µg/m³	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.47	µg/m <sup>2</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.56	µg/m²	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 last report will not be used for publishy or administration middle corpose without prior writes permission or the laboratory.

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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 4600082079

Party Reference No.:

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)

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Clear Sky

09/02/2023 to 10/02/2023

24.0 hours

Min. 13.0°C Max. 30.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM<sub>2±</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM25)	IS:5182(P-24)	30.22	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	49.78	µg/m³	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.35	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.89	μg/m²	80

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

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Laboratory is not responsible for the authoratory of phetocopied last report. The last samples will be retained only for opening service

· The report no, with Suffix A-Amended Report.

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Sample Number:

VEL/A/14

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302150008

Format No.: Party Reference No.:

4600082079

7.8 F-03

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)

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

: Calibrated

: Clear Sky

12/02/2023 to 13/02/2023

- 24.0 hours

Min. 13.0°C Max. 24.0°C

: Human, Vehicular and Rail activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
Υ.	Particulate Matter (PM <sub>2.5</sub> )	1S-5182(P-24)	34,59	μg/m <sup>3</sup>	60
2	Particulate Matter (PM III)	IS: 5182 (P-23)	57,08	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26.66	ugim	80
-21	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.81	µg/m <sup>3</sup>	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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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/2302150009

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Clear Sky

09/02/2023 to 10/02/2023

24.0 hours

Min. 13.0°C Max. 30.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: 1S-5182 & CPCB Guideline

: PM<sub>25</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>±s</sub> )	IS:5182(P-24)	36.23	µg/m³	60
2.	Particulate Matter (PM iii)	IS: 5182 (P-23)	55.79	stg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	19.33	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	JS: 5182 (P-2)	6.13	ng/m³	80

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

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Terms & Conditions

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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/2302150010

Format No.:

7.8 F-03

4600082079 Party Reference No.:

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

: Calibrated

: Clear Sky

: 12/02/2023 to 13/02/2023

: 24.0 hours

Min. 13.0°C Max. 24.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Yes

: 1S-5182 & CPCB Guideline

: PM<sub>25</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM25)	IS:5182(P-24)	36.89	µg/m <sup>1</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.33	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	27.01	µg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.43	μg/m <sup>2</sup>	80

\*NAAQS - National Ambient Air Quality Standards; Schodule-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 issued, in case sample is not those the results apply to the sample as received.
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To confirm the authoriticity of this certificate of analysis, please contactus through email at biblighorstance in Laboratory is not responsible for the authorities of photocopiechest report. The last samples will be returned only for specific period.

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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/2302220009

Format No.: Party Reference No.:

4600082079

7.8 F-03

Dated-16.05.2022

Reporting Date: Period of Analysis: 27/02/2023 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 Gate No -1

: RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

: Calibrated

: Clear Sky

: 15/02/2023 to 16/02/2023

: 24.0 hours

: Min. 14.0°C Max. 30.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24)	33.61	µg/m²	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	52,86	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	21.35	μ <u>g</u> /m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.86	μg/m <sup>c</sup>	80

<sup>\*</sup>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 results reported relate only to the samples tested, in case sample is not drawn the results apply to the sample as received.
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 Sving opinions does not imply endorsement of the tested sample by the lab. Under no occumulations, the lab accepts any liability caused by the use or missale of the lest report.

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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.:

4600082079

7.8 F-03

Party Reference No.: 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)

: Near Gate No -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

: Intermittent Rain

: 18/02/2023 to 19/02/2023

: 24.0 hours

: Min. 16.0°C Max. 34.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-51H2 & CPCB Guideline

: PM24. PM iii. NO2. SO2

### TEST RESULTS.

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
E.	Particulate Matter (PM <sub>22</sub> )	1S:5182(P-24)	30.18	μg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.05	μg/m³	100
3,	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	26:69	μg/m³	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8,04	ue/m³	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 recorded relate only to the samples tested. In case sample, a not drawn the neutral supply to the sample or received.
 This best report in full or in part, should refer expectated in any could of law without prior written approved of the leboratory.
 To confirm the partiest and of the part expectation of analysis, please contact so through small at lab glocation acce.
 Laboratory is not responsible for the authoriticity of photocolous lists report. The last samples will be retained only for specific period.

- This report not that Surface Annealogy Report.

- This rest report will not be used for publish or advertising or made purpose without prior written permission on the laboratory.

- Gaing commons does not might endorsement of the leaked sumple by the falls. Under no circumstences, the lab accepts any labelity caused by the use or nissaes of the seal region.

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

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

: 15/02/2023 to 16/02/2023

: 24.0 hours

Min. 14.0°C Max. 30.0°C

Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

; PM25, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM23)	IS:5182(P-24)	35.89	µg/m²	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	57.25	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	19.55	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.21	ug/m <sup>3</sup>	80

\*NAAOS – 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 leated in cose sample is not drawn the would apply to the sample as secure

The test report in fall or in part, shall not be reportinged in any court of the lethout prior written approved of the centricote of analysis, please contact as through enall at lob@vartion.co.in

Libbiditry is not responsible for the authenticity of photocopied test report. The test samples will be retained only for useful person

- The report no, with Suffix A-American Report

This bid report will not be used for poblishy or advertising or media purpose without prior written permission on the laboratory.
 Giving opinions does not imply anticonement of the tested sample by the lab. Under no procretances, the lab accepts any liability coursed by the use or misuse of the 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/2302220012

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)

: Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Intermittent Rain

: 18/02/2023 to 19/02/20233

: 24.0 hours

Min. 16.0°C Max. 34.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: Water Sprinkling

: 18-5182 & CPCB Guideline

: PM25 PM in NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.4</sub> )	IS:5182(P-24)	39.66	μg/m²	60
2.	Particulate Matter (PM in)	IS: 5182 (P-23)	53.12	ug/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.71	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.84	µg/m²	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 this samples balled, in case sample is not drawn the medits explic to the sample as received.
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 Laboratory is not responsible for the authenticity of protocopied test report. The test samples will be retained only for specific period.

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Triss tep of will not be used for publicly or advertising or media purpose without prior written permission on the laboratory.
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Sample Number:

VEL/A/21

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Read Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302220013

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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)

: VardanEnvirol.ab 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

: 1S-5182 & CPCB Guideline

: PM13, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
10400	D	IS:5182(P-24)	32.56	jag/m²	60
Shar	Particulate Matter (PM <sub>2.5</sub> )	IS: 5182 (P-23)	50.09	µg/m/	100
2.	Particulate Matter (PM <sub>10</sub> )		17.92	μg/m <sup>k</sup>	80
3,	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)		µg/m	80
4;	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.01	And the second s	1 27

\*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

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Laboratory is not responsible for the authoritisity of photocopied test report. The test samples will be estained only for specific period

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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/2302220014

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16.05.2022

Reporting Date:

27/02/2023

Period of Analysis:

Receipt Date:

22/02/2023 to 27/02/2023 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

: 18-5182 & CPCB Guideline

: PM<sub>23</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	37.41	µg/m³	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.62	tig/m	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	28.51	μg/m <sup>2</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S; 5182 (P-2)	7.56	µg/m²	-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 netatile reported make only to the samples leded. In come sample is not dissent the results upoly to the sample as necessarily in the reported of the sample as necessarily in the extension opposed of the fabruation.

To confirm the authenticity of this sertificate of analysis, please contact us through email at letting-verticity or the sertificate of analysis, please contact us through email at letting-verticity or only to report the period. The test samples, white retained only to report period.

The report to, with Suffix A-Ame

This tast report will not be used for publishy or advertising or medio purpose without area willian permission on the laboratory.
 Giving opinions does not imply endomenent of the tested servise by the lab. Under na constructions, the lab occupils any lability causeditry the use or measure of the test report.

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Sample Number:

VEL/A/23

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhaffar (HARYANA)

Report No.:

VEL/A/2302220015

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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)

VardanEnvirol.ab Representative (Ravi)

: Near Wagon Tippler

: RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

: Calibrated

: Intermittent Rain

16/02/2023 to 17/02/2023

24.0 hours

: Min, 15.0°C Max, 30.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

: 1S-5182 & CPCB Guideline

PM<sub>1.8</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
	D. Martin Matter (DM.)	IS.5182(P-24)	39.00	µg/m <sup>1</sup>	60
1.	Particulate Matter (PM <sub>25</sub> )  Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.25	µg/m²	100
	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.39	μg/m³	80
5.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.45	µg/m³	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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- Fruited sport will not be used for dublicity or potentiagy or making purpose without proyr written parmission on the laboratory.

- Caveg opinions does not imply endurations of the tested sample by the lab, thirder no constructions. The lab complet my liability paywell by the use or minute of the last report.



Sample Number:

VEL/A/24

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302220016

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Protecol

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<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
MILOCTAL			29.91	µg/m <sup>†</sup>	60
1	Particulate Matter (PM <sub>15</sub> )	1S:5182(P-24)		1	100
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	49.40	µg/m	_
4	A CONTRACT OF A	15: 5182 (P-6)	18.12	µg/m²	80
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-2)	8.79	pig/m	80
- 4	Sulphur Dioxide (SO+)	15: 5102 (1-2)	Market W.	0.11.0000	

\*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

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Sample Number:

VEL/A/25

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Format No.: Party Reference No.:

Report No.:

VEL/A/2302280001

7.8 F-03 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 Flead)

: Vardan Envirol. ab 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 heors

Min. 18.0°C Max. 35.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1 IS-5182 & CPCB Guideline

: PM23 PM10 NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
		IS:5182(P-24)	37.69	µg/m³	60
1.	Particulate Matter (PM <sub>1,5</sub> )		54.05	µg/m³	100
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	141000	µg/m³	80
1	Nitrogen Dioxide (NO2)	1S: 5182 (P-6)	20.85	1	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7,12	µg/m²	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 last open in full or in yet, shall not be reportused in any coult of law without prior written opproval of the laboratory.

To confirm the authorities of this perificals of analysis, shows confiact us through email of lab given an court.

Laboratory is not responsible for the authorities, of protectioned last report. The test askington will be whered only for specific period.

The test against all not be used for publish or advertising or tracia purpose without prior writter permission on the belonatory.

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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

7.8 F-03 Format No.:

4600082079

Party Reference No.:

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

: Clear Sky

: 25/02/2023 to 26/02/2023

: 24.0 hours

: Min. 13.0°C Max. 26.0°C

Human, Vehicular and Coment plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

1 PM<sub>25</sub> PM<sub>10</sub> NO<sub>5</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM23)	IS:5182(P-24)	34.75	μg/m³	60
2	Particulate Matter (PM II)	IS: 5182 (P-23)	58.23	μg/m²	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.91	μg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.69	µg/m³	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 authoritisty of prodocepted lest report. The test samples will be retained only for specific period.

The report no, with Suffa A-Amended Report.
 This ball report will not be used for publicly or advertising or media purpose without prior written permission on the laboratory.
 Swing opinions does not imply endorsement of the tested cample by the lab. Under no originatures. The lab accepts any fieldity cacased by the use or mission of the feet 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/2302280003

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 -2

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

· Calibrated

Intermittent Rain

22/02/2023 to 23/02/2023

24.0 hours

1. Min. 18.0°C Max. 35.0°C

: Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM25 PM36 NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	31.25	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	49,79	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.08	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.15	µg/m <sup>1</sup>	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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-Tris lett report in full or in part shall not be repositioned in any court of law without promivities approved of the loberators.

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Laboratory is not responsible to the authenticity of photocopied lest report. The test samples will be retained only for specific period.
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Giving opinions does not imply endocement of the tealed sample by the lab. Under no ordunations, the lab accepts any liability caused by the use or include of the last report.

Sample Number:

VEE/A/28

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302280004

7.8 F-03 Format No.:

4600082079 Party Reference No.:

Dated- 16.05.2022

03/03/2023 Reporting Date:

28/02/2023 to 03/03/2023 Period of Analysis:

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)

: VacdanEnviroLab Representative (Ravi)

Near Gate No -2

RDS & FPS sampler with all Accessories

VEL/RDS/04 & VEL/FPS/04

Calibrated

Clear Sky

25/02/2023 to 26/02/2023

24.0 hours

: Min. 13.0°C Max. 26.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

: PM ... PM m. NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24)	39.82	µg/m <sup>3</sup>	60
1.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56.16	jug/m/	100
2	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	18.44	µg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.89	µg/m²	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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Sample Number:

VEL/A/29

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Read Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No .:

VEL/A/2302280005

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

1 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

1S-5182 & CPCB Guideline

PM<sub>1.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
	Particulate Matter (PM25)	IS:5182(P-24)	30.12	µg/m²	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	59.79	µg/m	100
1	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25,47	μg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.89	µg/m²	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 set imply endorsement of the tested surrate by the lab of the contact of the test report.



Sample Number:

VEL/A/30

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Read Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302280006

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16.05.2022

03/03/2023 Reporting Date:

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

26/02/2023 to 27/02/2023

24.0 hours

Min. 09.0°C Max. 22.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

PM24 PM10 NO. SO2

# TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1	Particulate Matter (PM24)	1S:5182(P-24)	37.56	µg/m <sup>†</sup>	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	52.76	μg/m <sup>1</sup>	100
1	Nitrogen Dioxide (NO-)	15: 5182 (P-6)	27,89	μg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.68	μg/m <sup>3</sup>	84)

\*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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Sample Number:

VEL/A/31

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2302280007

7.8 F-03

Format No.: 4600082079 Party Reference No.:

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. Kapii Agrawal (Unit Head)

VardanEnviroLab Representative (Ravi)

: Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Clear Sky

23/02/2023 to 24/02/2023

24.0 hours

Min. 17.0°C Max. 35.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

: 1S-5182 & CPCB Guideline

: PM24, PM34, NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
2, 100,			35.05	pp/m³	60
1_	Particulate Matter (PM <sub>14</sub> )	IS:5182(P-24)		µg/m³	100
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	55.12	1	80
3	Nitrogen Dioxide (NO2)	1S: 5182 (P-6)	19.77	µg/m²	
J.	Sulphur Digwide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.64	µg/m²	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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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/2302280008

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Clear Sky

26/02/2023 to 27/02/2023

24.0 hours

Min. 09.0°C Max. 22.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

IS-5182 & CPCB Guideline

PM<sub>24</sub>, PM<sub>18</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
-1	Particulate Matter (PM25)	1S:5182(P-24)	33.02	μg/m	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	50.31	µg/m²	100
2.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.55	µg/m²	80
a.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.92	μg/m <sup>2</sup>	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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Sample Number:

VEL/A/01

M/s JK Cement Works

Report No.: Format No.: VEL/A/2303080004

Name & Address of the Party:

Mohan Bari Road Jharli - 124106

7.8 F-03 4600082079

Distt - Jhajjar (HARYANA)

Party Reference No.:

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 -1

Instrument Used

RDS & FPS sampler with all Accessories

Instrument Code

VEL/RDS/03 & VEL/FPS/03

Instrument Calibration Status

Meteorological condition during monitoring

Clear Sky 01/03/2023 to 02/03/2023

Date of Monitoring

24.0 hours

Calibrated

Time of Monitoring 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 IS-5182 & CPCB Guideline

Sampling & Analysis Protocol Parameter Required

: PM25 PM10 NO2 SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM23)	IS:5182(P-24)	39.46	μg/m <sup>3</sup>	60
2,	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	58.23	µg/m <sup>A</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	17.26	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.33	µg/m <sup>1</sup>	80

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

<sup>&</sup>quot;SOP Laboratory Standard Operating Procedure





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Sample Number:

VEL/A/02

Report No.:

VEL/A/2303080005

Name & Address of the Party:

M/s JK Cement Works

Format No.:

7.8 F-03 4600082079

Mohan Bari Road Jharti - 124106 Distt - Jhajjar (HARYANA)

Party Reference No.:

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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

04/03/2023 to 05/03/2023

24.0 hours

Min. 20.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM15, PM10, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM2+)	15:5182(P-24)	29.66	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	47.28	pg/m	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23.69	µg/m	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.05	μg/m <sup>*</sup>	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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Sample Number:

VEL/A/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303080006

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

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/04 & VEL/FPS/04

Calibrated

Clear Sky

01/03/2023 to 02/03/2023

24.0 hours

Min. 21.0°C Max. 38.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM<sub>2.4</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	31.59	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56,23	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	25.69	µg/m	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	6.33	µg/m	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

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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 4600082079

Party Reference No.:

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

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/04 & VEL/FPS/04

Calibrated

Intermittent Rain

04/03/2023 to 05/03/2023

24.0 hours

Min. 29.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM25, PM10, NO2, SO2

## TEST RESULTS

S. No.	Parameter	Pretocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>24</sub> )	IS:5182(P-24)	36.44	µg/m³	60
2.	Particulate Matter (PM <sub>11</sub> )	IS: 5182 (P-23)	57.10	µg/m <sup>7</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.48	µg/m <sup>3</sup>	-80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.92	ug/m <sup>3</sup>	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

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Sample Number:

Name & Address of the Party:

VEL/A/05

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303080008

Fermat No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Clear Sky

02/03/2023 to 03/03/2023

24.0 hours

Min. 21.0°C Max. 38.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	32.56	ug/m <sup>3</sup>	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	59,00	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.55	μg/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.13	µg/m	80

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

SOP Laboratory Standard Operating Procedure



## Terms & Conditions

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Page 1 of 1



Sample Number:

Name & Address of the Party:

VEL/A/06

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

13/03/2023

Reporting Date:

08/03/2023 to 13/03/2023 Period of Analysis:

Receipt Date: 08/03/2023

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)

: Railway Line Side

: RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

1 Calibrated

: Intermittent Rain

05/03/2023 to 06/03/2023

: 24.0 hours

: Min. 20.0°C Max. 34.0°C

: Human, Vehicular and Rail activities

: Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM2 \* PM III, NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM23)	15:5182(P-24)	29.12	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	56.24	ag/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	21.88	μg/m³	80
4.	Sulphur Diaxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.89	μg/m³	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 whate only to the samples keded. In case sample is not drawn the results apply to the sample as received.
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To confirm the authorificity of this certificate of analysis, please context up through email at lab glosester, co. in

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Sample Number:

VEL/A/07

Report No.:

VEL/A/2303080010

Name & Address of the Party:

M/s JK Cement Works

Format No.: Party Reference No.: 7.8 F-03 4600082079

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

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

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/06 & VEL/FPS/06

Calibrated

Clear Sky

02/03/2023 to 03/03/2023

24.0 hours

Min. 21.0°C Max, 38.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

IS-5182 & CPCB Guideline

: PM25 PM10 NOE SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2:5</sub> )	1S:5182(P-24)	38,49	µg/m²	60
2	Particulate Matter (PM to)	IS: 5182 (P-23)	61,23	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.59	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	8.58	µg/m <sup>3</sup>	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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Sample Number:

Name & Address of the Party:

VEL/A/08

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303080011

Format No.: Party Reference No.: 7.8 F-03 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

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/06 & VEL/FPS/06

Calibrated

Intermittent Rain

05/03/2023 to 06/03/2023

: 24.0 hours

Min. 20.0°C Max. 34.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

IS-5182& CPCB Guideline

PM25, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
Î.	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	30.16	µg/m	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	53:07	µg/m	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	19.61	ng/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.92	µg/m³	80

\*NAAOS - 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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Sample Number:

VEL/A/09

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196 Distt - Jhajjar (HARYANA) Report No.:

VEL/A/2303150003

Format No.:

7.8 F-03

Party Reference No.: 4600082079 Dated- 16.05,2022

20/07/20

Reporting Date:

20/03/2023 15/03/2023 to 20/03/2023

Period of Analysis: Receipt Date:

15/03/2023

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Cloudy Sky 08/03/2023 to 09/03/2023

24.0 hours

Min. 18.0°C Max. 33.0°C

: Human, Vehicular and Cement plant activities

: Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Motter (PM25)	IS:5182(P-24)	33,23	μg/m²	60
2,	Particulate Matter (PM 11)	1S: 5182 (P-23)	56,49	µg/m <sup>2</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.47	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.01	µg/m	80

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

<sup>\*5</sup>OP- Laboratory Standard Operating Procedure



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### Terms & Conditions

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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/2303150004

Format No.:

Party Reference No.:

7.8 F-03 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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03 : Calibrated

: Cloudy Sky

11/03/2023 to 12/03/2023

: 24.0 hours

Min. 20.0°C Max. 39.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	29.79	µg/m	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	50,69	µg/m1	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	23,44	$\mu g/m^{k}$	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.79	µg/m¹	80

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

SOP- Laboratory Standard Operating Procedure





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Sample Number:

VEL/A/LL

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106.

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303150005

7.8 F-03 Format No.: 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

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/04 & VEL/FPS/04

Calibrated

Cloudy Sky 08/93/2023 to 09/03/2023

: 24.0 hours

Min. 18.0°C Max. 33.0°C

: Human, Velticular and Cement plant activities

: Regulatory Requirement

Water Sprinkfing

IS-5182 & CPCB Guideline

: PM<sub>24</sub> PM<sub>101</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	37.57	µg/m³	60
2.	Particulate Matter (PM <sub>11</sub> )	IS: 5182 (P-23)	54.43	μg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.74	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	9.01	µg/m²	80

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

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## Terms & Conditions

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Sample Number:

VEL/A/12

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303150006

Format No.:

7.8 F-93

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

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/04 & VEL/FPS/04

Calibrated

Cloudy Sky

11/03/2023 to 12/03/2023

24.0 hours

Min. 20.0°C Max. 39.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

1S-5182 & CPCB Guideline

PM<sub>24</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
Τ.	Particulate Matter (PM <sub>2.8</sub> )	15:5182(P-24)	35.11	ug/m³	60
2	Particulate Matter (PM (p)	IS: 5182 (P-23)	58,36	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.02	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.12	μg/m <sup>3</sup>	80

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

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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/2303150007

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Cloudy Sky 09/03/2023 to 10/03/2023

24.0 hours

Min. 20.0°C Max, 30.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

: PM25, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	39,49	μ <u>u</u> /m <sup>λ</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	62.02	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	19.55	µg/m <sup>2</sup>	80
4	Sulphur Diaxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.23	ug/m1	80

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

SOP- Laboratory Standard Operating Procedure



Terms & Conditions Trical

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Giving opinions does not imply endorsament of the lasted sample by the lab. Under an occumination, the lab accepts any kuldibly caused by the use or resource of the less report.

Sample Number:

VEL/A/14

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303150008

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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Cloudy Sky

12/03/2023 to 13/03/2023

24.0 hours

Min. 20.0°C Max. 40.0°C

Human, Vehicular and Rail activities

: Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM<sub>25</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	31.78	μg/m²	60
2.	Particulate Matter (PM 11)	IS: 5182 (P-23)	52.66	μg/m²	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	24.82	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6,44	µg/m <sup>7</sup>	80

\*NAAOS - 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

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Sample Number:

VEL/A/15

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Rond Jhurli - 124106 Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303150009

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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/06 & VEL/FPS/06

Calibrated

Cloudy Sky

09/03/2023 to 10/03/2023

24.0 hours

Min. 20.0°C Max. 30.0°C

Human, Vehicular and Coment plant activities

Regulatory Requirement

: IS-5182 & CPCB Guideline

: PM<sub>23</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	40.00	µg/m³	60
2.	Particulate Matter (PM 15)	IS: 5182 (P-23)	66.73	μg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	17,02	jug/m <sup>3</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.69	µg/m <sup>3</sup>	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

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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

4600082079

Dated- 16.05.2022

Reporting Date:

20/03/2023

Period of Analysis:

Party Reference No.:

15/03/2023 to 20/03/2023

Receipt Date:

15/03/2023

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/06 & VEL/FPS/06

Calibrated

Cloudy Sky

12/03/2023 to 13/03/2023

24.0 hours

Min. 20.0°C Max. 40.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM23)	IS:5182(P-24)	32.92	µg/m³	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	54.36	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	21.09	µg/m³	80
4	Sulphur Dioxide (SOs)	15: 5182 (P-2)	6.89	ug/m <sup>3</sup>	80

NAAOS – 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 no, with Skiffly A-Amended Report. This test report will not be used for publicity in advertising or electer purpose without prior written permission on the belondory.
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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/2303220009

Format No.:

7.8 F-63

4600082079 Party Reference No.:

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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky

15/03/2023 to 18/03/2023

24.0 hours

Min. 21.0°C Max. 40.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>2.6</sub> )	IS:5182(P-24)	31.59	µg/m³	60
2.	Particulate Matter (PM <sub>N</sub> )	IS: 5182 (P-23)	50.35	µg/m³	100
3	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.02	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.55	µg/m³	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 relativishing to the samples listed in case sample is not drawn the results apply to the sample as received.

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Sample Number:

Name & Address of the Party:

VEL/A/18

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhaljar (HARYANA)

Report No.:

VEL/A/2303220010

Format No.: Party Reference No.:

7.8 F-03 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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

18/03/2023 to 19/03/2023

24.0 hours

Min. 20.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM25 PM16 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1,	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	34.68	µg/m²	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	57.12	µg/m <sup>1</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	24.86	µg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.78	µg/m	80

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

SOP- Laboratory Standard Operating Precedure





### Terms & Conditions

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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/2303220011

Format No.:

7.8 F-03

4600082079 Party Reference No.:

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

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/04 & VEL/FPS/04

Calibrated Clear Sky

15/03/2023 to 18/03/2023

24.0 bours

Min. 21.0°C Max. 40.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM2x PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	1S:5182(P-24)	29.18	μg/m²	60
2,	Particulate Matter (PM 1)	IS: 5182 (P-23)	53.47	μg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	17.58	μg/m'	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.12	μg/m <sup>3</sup>	80

\*NAAOS - 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

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Sample Number:

VEL/A/20

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196 Distt - Jhaljar (HARYANA)

Report No.:

VEL/A/2303220012

7.8 F-93 Format No.: 4600082079 Party Reference No.:

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

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/04 & VEL/FPS/04

Calibrated

Intermittent Rain

18/03/2023 to 19/03/20233

24.0 hours

Min. 20.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

: PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	26.60	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	47.79	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22,14	µg/m	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.21	µg/m <sup>3</sup>	80

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

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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/2303220013

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

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)

: Railway Line Side.

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Cloudy Sky

16/03/2023 to 17/03/2023

24.0 hours

Min. 20.0°C Max. 37.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM25, PM36, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	35.21	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM to)	IS: 5182 (P-23)	55.41	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	19,82	μg/m³	80
4.	Sulphur Dioxide (SO <sub>3</sub> )	18: 5182 (P-2)	6.23	pag/m <sup>3</sup>	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

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 Laboratory is not responsible for the authoritisty of physics; The regot no. with Salfle A Amended Report.

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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/2303220014

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

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)

: Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Intermittent Rain

19/03/2023 to 20/03/2023

24.0 hours

Min. 20.0°C Max. 34.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	IS:5182(P-24)	34.41	µg/m²	60.
2.	Particulate Matter (PM p)	IS: 5182 (P-23)	51.02	µg/m	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6)	26,09	μg/m³	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.33	μg/m³	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



Page 1 of 1

### Terms & Conditions

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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/2303220015

Format No.: Party Reference No.:

7.8 F-03 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

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/06 & VEL/FPS/06

Calibrated Cloudy Sky

16/03/2023 to 17/03/2023

24.0 hours

Min. 20.0°C Max. 37.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: 1S-5182 & CPCB Guideline

: PM25 PM10 NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Motter (PM <sub>2.5</sub> )	IS:5182(P-24)	33.54	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM ii)	IS: 5182 (P-23)	57.75	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6)	24.06	µg/m²	80
d	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	5.92	ug/m	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

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Sample Number:

VEL/A/24

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2303220016

Format No.:

7.8 F-03 4600082079

Party Reference No.: 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

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 Hend)

: VardanEnviroLab Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Intermittent Rain

19/03/2023 to 20/03/2023

24.0 hours

Min. 20.0°C Max. 34.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

1S-5182 & CPCB Guideline

PM25, PM III, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
ĬI	Particulate Matter (PM <sub>2.6</sub> )	IS:5182(P-24)	30.56	µg/m <sup>2</sup>	60
3.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	48,60	µg/m	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	16,46	µg/m²	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	7.79	µg/m	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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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/2303280001

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Intermittent Rain

: 22/03/2023 to 23/03/2023

24.0 hours

Min. 17.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

IS-5182 & CPCB Guideline

PM23, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
I,	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	38.12	µg/m <sup>3</sup>	-60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	52.35	µg/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	22.08	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.48	pg/m²	80

<sup>\*</sup>NAAOS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

<sup>&</sup>quot;SOP- Laboratory Standard Operating Procedure



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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/2303280002

Format No.: Party Reference No.:

7.8 F-03 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

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 -1

RDS & FPS sampler with all Accessories

VEL/RDS/03 & VEL/FPS/03

Calibrated

Clear Sky 25/03/2023 to 26/03/2023

24.0 hours

Min. 20.0°C Max. 35.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

: PM<sub>28</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM <sub>2.5</sub> )	IS:5182(P-24)	33,54	µg/m'	60
2.	Particulate Matter (PM <sub>10</sub> )	15: 5182 (P-23)	59.84	µg/m²	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	20.14	μg/m²	80
4.	Sulphur Dioxide (SO-)	IS: 5182 (P-2)	8.58	µg/m <sup>3</sup>	80

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

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Sample Number:

VEL/A/27

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VEL/A/2303280003

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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/04 & VEL/FPS/04

Calibrated

Intermittent Rain

22/03/2023 to 23/03/2023

24.0 hours

Min. 17.0°C Max. 33.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Water Sprinkling

: 1S-5182 & CPCB Guideline

PM<sub>21</sub> PM<sub>10</sub> NO<sub>2</sub> SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>±3</sub> )	1S:5182(P-24)	29,47	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>III</sub> )	IS: 5182 (P-23)	47.17	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	16.87	µg/m	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.92	µg/m	80

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

"5OP- Laboratory Standard Operating Procedure





## Terms & Conditions

- The results reported relationally of the samples kealest, in case surrole is red drawn the results apply to the sample as received.

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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/2303289004

Format No.: 7.8 F-03 4600082079 Party Reference No.:

Dated-16.05.2022

Reporting Date:

31/03/2023 28/03/2023 to 31/03/2023

Period of Analysis:

Receipt Date:

28/03/2023

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/04 & VEL/FPS/04

Calibrated

Clear Sky 25/03/2023 to 26/03/2023

+ 24.0 hours

Min. 20.0°C Max. 35.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: Water Sprinkling

: IS-5182 & CPCB Guideline

: PM23, PM10, NO2, SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM2x)	IS:5182(P-24)	36.26	μg/m <sup>7</sup>	60
2.	Particulate Matter (PM 1)	IS: 5182 (P-23)	54.69	µg/m³	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	19,58	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2)	7.33	µg/m <sup>†</sup>	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

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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/2303280005

7.8 F-03 Format No.: 4600082079 Party Reference No.:

Dated- 16.05.2022

Reporting Date: 31/03/2023

28/03/2023 to 31/03/2023 Period of Analysis:

28/03/2023 Receipt Date:

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated Clear Sky

23/03/2023 to 24/03/2023

24.0 hours

Min. 20.0°C Max. 36.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

; PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
17	Particulate Matter (PM <sub>23</sub> )	1S:5182(P-24)	31.66	µg/m <sup>1</sup>	60
2.	Particulate Matter (PM <sub>in</sub> )	(S: 5182 (P-23)	48.87	p.g/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	27.02	μg/m <sup>†</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	9.12	asg/m²	80

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

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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/2303280006

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Railway Line Side

RDS & FPS sampler with all Accessories

VEL/RDS/05 & VEL/FPS/05

Calibrated

Clear Sky

26/03/2023 to 27/03/2023

: 24.0 hours

Min. 19.0°C Max. 36.0°C

Human, Vehicular and Rail activities

Regulatory Requirement

Water Sprinkling

: IS-5182 & CPCB Guideline

PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Pretocel	Result	Unit	NAAQS* Limit
L	Particulate Matter (PM <sub>23</sub> )	IS:5182(P-24)	34.59	µg/m <sup>3</sup>	60
2.	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	50.14	µg/m <sup>2</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	1S: 5182 (P-6)	24.08	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.13	µg'm'	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

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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

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/06 & VEL/FPS/06

Calibrated

Clear Sky

23/03/2023 to 24/03/2023

24.0 hours

Min. 20.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

: IS-5182 & CPCB Guideline

† PM<sub>24</sub>, PM<sub>38</sub>, NO<sub>2</sub>, SO<sub>2</sub>

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	IS:5182(P-24)	37.48	jag/im <sup>3</sup>	60
2.	Particulate Matter (PM 10)	IS: 5182 (P-23)	57.33	µg/m <sup>1</sup>	100
3.	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (P-6)	18.01	μ <u>μ</u> /m <sup>1</sup>	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	8.11	µg/m	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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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/2303280008

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

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)

VardanEnviroLah Representative (Mukesh Chandra)

Near Wagon Tippler

RDS & FPS sampler with all Accessories

VEL/RDS/06 & VEL/FPS/06

Calibrated

Clear Sky

26/03/2023 to 27/03/2023

24.0 hours

Min. 19.0°C Max. 36.0°C

Human, Vehicular and Cement plant activities

Regulatory Requirement

Yes

1S-5182 & CPCB Guideline

PM2s, PM to, NO2 SO2

### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM <sub>25</sub> )	1S:5182(P-24)	32.83	µg/m	60
2	Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23)	50.31	jag/m <sup>3</sup>	100
3.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6)	23.61	µg/m²	80
4.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2)	6.92	μg/m <sup>3</sup>	-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

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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

Sample Number:

VEL/JKCW/AN/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2210060001

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 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)

: VardanEnviroLab Representative

Near Gate No - 1 : Sound Level Meter

: VEL/S/SLM/01 : Calibrated

: Intermittent Rain

06/10/2022 to 07/10/2022

06:00 AM to 06:00AM Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	at the Emercial Ventage	THE REPORT OF THE PARTY OF THE	Test Re	Aldian for	
	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
L.	Lmax	1S 9989, By Calculation	73.8	63.6	dB(A)
2	Lmin	IS 9989, By Calculation	44.1	39.7	dB(A)
3.	Lea	IS 9989, By Calculation	58.33	54.24	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	*	75.00	79.00	dB(A)

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



- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.

- This test report in full on in part, shall not be reproduced in any court of law without prior written approved of the lateratury.

- To confirm the authorizing of this certificate of stratiguis, please contact us through arreal at latigipearties axis.

- Laboratory is not responsible for the authorizing of photosopied test report. The test samples will be retained only far specific period.

The report ris, 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 leaply endorsement of the tested sample by the lab. Under no obcurrences, the lab eccepts any liability seased by the use or interes of the test report.

Sample Number:

VEL/JKCW/AN/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2210060002

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 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

Near Gate No - 2

: Sound Level Meter : VEL/S/SLM/03

: Calibrated

: Intermittent Rain

07/10/2022 to 08/10/2022 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

[\$-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	ar varion to gradina va	Protocul	Test Re	Correlate En	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989, By Calculation	67.6	58.8	dB(A)
2.	Lmin	IS 9989, By Calculation	50.1	42.9	dB(A)
3.	Leq	IS 9989, By Calculation	57.4	49.29	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 tested, in case sample is not drawn the tourte apply to the sample as received.

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 To confirm the authoritidy of this certificate of enalysis, please contact or through small at labigivers an exist.

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The report on, with Sulfa A-Amended Report.

This best report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
 Giving opinions also not imply analysement of the tested sample by the lab. Under no stroughtness, the lab accepts any labs thy caused by the use or misuse of the test report.

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Sample Number:

VEL/JKCW/AN/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2210060003

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 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

: Railway Line Side

Sound Level Meter

VEL/S/SLM/04 : Calibrated

Intermittent Rain

97/19/2022 to 98/19/2022

66:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	Parameters	Protocol	Test Re	Cicden Si	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989, By Calculation	71.1	67.10	dB(A)
2.	Lmin	IS 9989, By Calculation	51.8	44.3	dB(A)
3.	Leq	IS 9989, By Calculation	62.21	56.54	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note \*A "depibel" is wunt in which noise is measured.

### Terms & Conditions

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Sample Number:

VEL/JKCW/AN/04

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2210060004

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 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

Near Wagon Tippler

Sound Level Meter VEL/S/SLM/05

: Calibrated

Intermittent Rain

07/10/2022 to 08/10/2022

06:00 AM to 06:00 AM Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	Parameters	Protocol	Test Re	Candon En	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmox	IS 9989, By Calculation	73.5	65.9	dB(A)
2.	Lmin	1S 9989, By Calculation	52.8	43.4	dB(A)
3.	Leq	1S 9989, By Calculation	63.18	55.18	dB(A)
4,	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

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

### Terms & Conditions

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Sample Number:

VEL/JKCW/AN/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhaijar (HARYANA)

Report No.:

VEL/AN/2210200005

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16.05.2022

Reporting Date:

28/10/2022

Period of Analysis:

24/10/2022 to 28/10/2022 24/10/2022

Receipt Date:

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

I Near Gate No - I

Sound Level Meter : VEL/S/SLM/01

Calibrated

: Clear Sky

20/10/2022 to 21/10/2022

06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	Parameters	Protocol	Test Re	Part San	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
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.	Leg	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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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 4600082079

Party Reference No.:

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 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 Envirol ah Representative

: Near Gate No - 2 : Sound Level Meter

: VEL/S/SLM/03

: Calibrated Clear Sky

20/10/2022 to 21/10/2022 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

### TEST RESULTS

S. No.	Parameters	Protocol	Test Re	England Cor	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
I.	Lmax	IS 9989, By Calculation	73.9	69.5	dB(A)
2.	Lmin	IS 9989, By Calculation	51.7	42.3	dB(A)
3.	Leg	IS 9989, By Calculation	63.24	54.32	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

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

### Terms & Conditions

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Sample Number:

VEL/JKCW/AN/07

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhaifar (HARYANA)

Report No.:

VEL/AN/221020007

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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 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

Railway Line Side

Sound Level Meter VEL/S/SLM/04

: Calibrated

Clear Sky

21/110/2022 to 22/10/2022 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	College Control Life V annual College	Protocol	Test Re	dialetrari	
	Parameters		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	15 9989, By Calculation	73.9	68.8	dB(A)
2.	Lmin	IS 9989, By Calculation	52.7	40.4	dB(A)
3.	Leq	IS 9989, By Calculation	61.21	53.21	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

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



### Terms & Conditions

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   Laboratory is not responsible for the outhership of photocopied test report. The test complex will be retained only for specific period.
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- This test report will not be used for publishy or advertising or made purpose without prior written permission on the laboratory.
   Giving opinions does not imply endorsoment of the tested sample by the lab. Under no circumstances, the lab accepts any backling caused by the use or wiscoss of the lab accepts.



Sample Number:

VEL/JKCW/AN/08

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2210200008

Format No.:

7.8 F-03 4600082079

Party Reference No.:

Dated- 16.05.2022

28/10/2022 Reporting Date:

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 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

Near Wagon Tippler

: Sound Level Meter

: VEL/S/SLM/05

: Calibrated

Clear Sky

21/10/2022 to 22/10/2022

06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

### TEST RESULTS

S. No.	retain EnviroLab Vaccian	Protocol	Test Re	Stati Var	
	Parameters		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm.to 06:00 am)	Unit
1,	Lmax	IS 9989, By Calculation	68.9	62.8	dB(A)
2.	Lmin	IS 9989, By Calculation	49.7	40.5	dB(A)
3.	Leq	1S 9989, By Calculation	56.15	52.18	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

. The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.

This tool report in tild on in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
 To confirm the authoritioty of this certificate of analysis, please contact us through email of laboff various, or
 Laboratory is not responsible for the authoritisty of photocopied test report. The last samples will be retained only for opecific period.

The report no, with Staffic A-Amended Report.

This test report will not be used for publishy or odvertising or media purpose without prior written permission on the laboratory.

Gring opinions does not imply endorsement of the rested sample by the lab. Under no discursatories, the lab eccepts any liability exused by the use or misuse of the lest report.





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

## **Test Report**

Sample Number:

VELUKCW/ANO1

Name & Address of the Party:

M/s JK Cement Works

Mohan Bori Road Jhark - 124106

Distr - Jhajjar (HARYANA)

Report No.:

VREJAN/2261286001

7.5 F-43 Format Ne.: 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:

28/61/2012

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information:-

Chient 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 Munitoring. Concrol measure if Any

Sampling & Analysis Protocol

Sampling Duration Parameter Required Mr. Kapil Agrawal (Unit Head).

VardanEnviroLab Representative(Muketh Chandra)

Near Gate No - I Sound Level Meter VEL/S/SLM/01 Calibrated

Clear Sky

04/11/2022 to 05/11/2022 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

\$. No.	Patera charterit	Protocol	Test Re	Green In	
			Day Tines (6:00 am to 10:00 pm)	Might Time (10:00 per to 06:00 am)	Unit
I.	Lmax	13 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)	Life lary	75.00	70.00	dB(A)

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



spaces, the life geometr may limitely connect by the one or reference of the list object.



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

## **Test Report**

Sample Number:

VIEU/JIK/CW/AN/08

Name & Address of the Party:

M/s JK Cement Works

Mohan Buri Road Jharll - 124106

Dist - Jhajjer (HARYANA)

Repart No.:

VEL/AN/2211280005

Formet No.:

7.8 F-03

Party Reference No.:

4600002079 Dated- 16:05:2022

Reporting Date:

02/12/2022

Period of Analysis:

28/11/2022 44 02/12/2022

Receipt Date:

28/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative

Samue collected by Samuliuz Lecation

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 Pretocol

Sampling Duration Parameter Regulred Mr. Kapil Agrawal (Unit Head).

Vardan EnviroLab Representative(Mukesh Chandra)

Near Gate No - I Sound Level Meter VEL/S/SLM/01 Calibrated

Clear Sky 25/11/2022 to 26/11/2022

06:00 AM to 06:00AM

Hujnan, Vehicular and Cement plant Activities

Regulatory Requirement

No ans

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

	Parameters	Protocol	Test Repult dB (A)		rand in the
\$ No.			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Umit
L.	Lmax	13 9989	67.9	62.7	dB(A)
2	Lmin	[S 9989	47.3	41.5	dB(A)
3.	Leq	15 0989	56.68	51.12	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area )	in Control of Va	75.00	78.08	4B(A)

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









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

## Test Report

Sample Number:

VEL/JK/CW/AN/02

Name & Address of the Party:

Mrs. JK Coment Works

Mehan Bari Read Jharii - 124106

Disti - Jhajjar (HARYANA)

Report No.:

VEL/AN/2211280002

Format Na.:

2.8 F-03

Party Reference No.:

**4600082079** Dated- 16.05.2022

Reporting Date:

62(12/2022

Period of Analysis:

28/11/2022 to 02/12/2022

Receipt Date:

29/11/2602

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative

Sample collected by Sampling Location Instrument Used

Instrument Code Inscrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring Time of Monitoring

Surrounding Activity Scope of Monitoring Centrel measure if Any

Sampling & Analysis Protocol

Sampling Duration Parameter Required Mr. Kapil Agrowol (Unit Head)

Vardon EnviroLab Representative Mukesh Chandra)

Near Gate No - 2 Sound Level Meter VEL/S/SLM/03 Calibrated

Clear Sky 04/11/2022 to 05/11/2022

06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

Nomey

IS-9989 R-2014 & CPCR Guideline

34.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Pretocol	Test Result dB (A)		
			Day Time (6:00 and to 10:00 put)	Night Time (10:00 pm to 06:00 am)	Ųolt
1.	Lmox	15 9989	44 R	59.4	dB(A)
2	Lmin	IS 9989	47.4	41.6	dB(A)
3.	Leq	15 9989	54.2	47.38	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Aret )	Partial Common C	75.00	70,00	dB(A)

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



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

## **Test Report**

Sample Number:

VEL/JKCW/AN/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Barl Rood Jharli - 124106

Dist - Indijer (HARYANA)

Repairl No.:

VEL/AN/2211280046

Farmet No.:

7 0 P-01

Party Reference No.:

4600082079 Dated- 16:05:2022

Reporting Date:

02/12/2022

Period of Analysis:

29/11/2022 to 02/12/2022

Receipt Date:

28/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information-

Client Representative Sample collected by

Sampling Location **Enstrument Used** 

Instrument Code

Instrument Calibration Status

Mereorological condition during monitoring

Date of Monitoring Time of Monitoring Surrounding Activity Scope of Monitoring

Cuptral measure if Any Sampling & Analysis Protecel

Sampling Deration Parameter Required Mr. Kapil Agrawal (Unit Head)

Vardan EnviroLab Representative(Mukesh Chandra)

Near Gate No - I Sound Level Meter VEL/S/SLM/03 Calibrated

Clear Sky

25/11/2022 40 26/11/2022 96:00 AM to 96:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

(\$-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

	enan Environ to Verday In	Preiocel	Test Result dB (A)		facility to
S. Ne.	Parameters		Day Time (6:00 am to 10:00 pm)	Night Time (\$0:00 pm to 06:00 am)	Unit
1,	Lmax	IS 9989	74 8	68.4	4B(A)
2.	Limin	I\$ 9989	\$2.5	43.5	dB(A)
3,	Leq	IS 0989	65.11	56.46	dB(A)
4	CPCB Lamits to dB(A') Leq (Industrio) Area.)	en i i de Verrelai	75.80 Varian	70.00	qB(V)

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



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ENI



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

## **Test Report**

Sample Numbers

VEL/JKCW/AN/03

Name & Address of the Party:

M/s JK Centent Works

Mohan Bari Road Jharli - 124106

Dich - Jhajjar (HARYANA)

Report No.:

VRE/AN/2241280403

Pormet Ne.:

7.5 F-93

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:

AMBJENT 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 Scape of Monitoring Control measure if Awy 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

premnistens Rain

05/11/2022 to 06/11/2022 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

**No апу** 

15-9989 R-2014 & CPCB Guideline

24 0 Hours

As per Work Order

#### TEST RESULTS

9, No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 and	Uent
1.	Lmax	J\$ 9989	72.1	66.2	dB(A)
2	Lmin	IS 9989	49.6	42.8	dB(A)
2.	Leq	IS 9989	60 78	55.36	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area)	tes Envioletab Van	75.00	70,00	dB(A)

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





Dr. Shi y -(Approved)



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

## **Test Report**

Sample Number:

VEL/JKCW/AN/67

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Diet - Jhaljer (HARYANA)

Report No.:

VEL/AN/2211280007

7.8 F-03 Fermat No.:

Party Reference No.: 4600082079

Bated- 16.05.2022

Reporting Dates

02/12/2022

Period of Analysis:

28/11/2022 (0.02/12/2022

Receipt Date:

28/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Information:-

Client Representative

Sample coffeeted by Sampling Location

Instrument Used Instrument Code

Instrument Calibration Status

Meteorological condition during munitoring

Date of Monitoring Time of Monitoring Surrenging Activity Scope of Manitoring

Control measure if Any Sampling & Applysis Protocol

Sampling Deration Parameter Required Mr. Kapil Agrawal (Unit Head)

Vardan EnviroLab Representativel Mukesh Chandra)

Railway Line Sittle Sound Level Meter VEL/S/SLM/04 Cabbrated

Clear Sky

16/L1/2022 to 27/11/2022 06:00 AM to 06:00 AM

Humon, Vehicular and Rail Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

8. No.	Parameters	Pretocol	Test Result dB (A)		To de como
			Day Time (6:00 am to 10:00 pm)	Night Time (10:46 pm to 06:40 am)	Unit
1.	Linex	(S 9989	69.5	64.9	dB(A)
2.	Linin	IS 9989	50.3	41.6	dB(A)
3.	Log	(\$ 9989	59.87	52.46	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area)	las recibir de Vi	75.00	70.04	dB(A)

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

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

## **Test Report**

Sample Number:

VELAIK CW/AN/04

Name & Address of the Party:

M/s JN Cement Works

Mohan Bari Road Jharli - 124106

Digit - Jhajfar (HARYANA)

Report No.:

VEL/AN/2211280004

Format No.:

7.8 F-03 4600082079

Party Reference No.: 4600082079

Dated: 16.05.2022

Reporting Date:

02/12/2022

Period of Analysis:

28/81/2022 46 02/12/2022

Receipt Date:

25/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONTORING

General Informations-

Client Representative

Sample collected by Sampling Location Instrument Used

Instrument Cade
Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring Time of Monitoring Surrounding Activity Scope of Monitoring Control measure if Any

Control measure if Any Sampling & Analysis Protocol

Sampling Duration
Parameter Required

Mr. Kapil Agrawal (Unit Head)

Vordon EnviroLab Representative(Mukesh Chandra)

Near Wagon Tippler Sound Level Meter VEL/S/SLM/05 Calibrated

Intermittent Rain

05/L1/2022 to 06/11/2022 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9969 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Pretocol	Test Re	funding El	
			Пау Time (6:00 ада (q 10:00 pm)	Night Time (20:00 pm to 06:00 nm)	Unit
1.	Linex	I\$ 9989	72.9	67.6	dB(A)
2	Lmin	IS 9989	54.3	+6.2	dB(A)
3.	log	13 9989	64,92	52.18	dB(A)
4.	CPCB Limits in dD(A*) Leq (Industrial Area.)	in Language of Va	75,00	70.00	dB(A)

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



#### Terret & Conditions

- The results reported value each to the executes healed, in case carries in our drawn the woulds such to the sample on remained.
- This incircipant is fell us in part, shall not be reproduced in any court of less sollicule polici surface approach of the infants
- · To conduct the architect tip of this confliction of prodpine, phonon remight on through record of heightest production.
- Linearity is not require the test authorities of protocogical and report. For the interpret will be related only to specify posted.
- The legion so, with Sellic A-Amended Report
- This bod repeated and be send the antibide or advantable or mode propose without pair within permission on the lightening
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Laboratory: Plot No. 82A, Sector • 5, IMT Manesar, Gurugram • 122051 (Hr). ISO 9001 | ISO 14001 | ISO 45001

## **Test Report**

Sample Number:

VEL/JK CW/AN/08

Name & Address of the Party:

M/r JK Cement Works

Mohan Bari Ruad Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/AN/2211284009

Fermat 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 02/22/2022

Receipt Date:

28/11/2022

Sample Description:

AMBIENT NOISE LEVEL MONITORING

General Informations.

Client Representative Sample collected by

Sampling Lecation Instrument Used Instrument Code

Ingernment Calibration Status

Meteorological condition during monitoring

Date of Monitoring Time of Monitoring Surrounding Activity Scope of Munitoring. Control measure if Any

Sampling & Analysis Protocol Sampling Duration Parumeter Required

Mr. Kapil Agrawal (Unit Hend)

Vardan EnviroLab Representative(Mukesh Chandra)

Near Wagon Tippler Srund Level Meter VEL/\$/\$LM/0\$ Calibrated

Clear Sky 26/11/2022 to 27/11/2012

06:00 AM to 96:00AM

Human, Vehicular and Centers plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. Na.	Parameters	Preserel	Test Re	history is	
			Day Time (6:00 pm to 10:00 pm)	Night Time (10:00 pns to 06:00 am)	Unit
l.	Lmax	15 9989	67.2	60 2	dB(A)
2.	Lmin	[S 9989	46.5	39.4	dB(A)
3,	Leq	[\$ 9989	55.46	47 18	dB(A)
4.	CPCS Limits in dB(A') Leq (Industrial Area)	refave herville) arb Va Suvinos arb Varelan	75.00	70.00	dB(A)

Note: \* A "decibel" is a unit in which noise is mensured.



to by the lab. Underee groups



Sample Number:

VEL/N/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220010

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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Near Gate No-1 Sound Level Meter VEL/S/SLM/01

Calibrated Clear Sky

05/12/2022 to 06/12/2022 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

: IS-9989 R-2014 & CPCB Guideline

24.6 Hours

As per Work Order

#### TEST RESULTS

S. No.	Purameters	Protocol	Test Re		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	15 9989	65.8	60,9	dB(A)
2.	Lmin	IS 9989	44.5	37.8	dB(A)
3.	Leq	1S 9989	57.88	49.75	dB(A)
4,	CPCB Limits in dB(A*) Leq ( Industrial Area )	-	75.90	70.00	dB(A)

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



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Sample Number:

VEL/N/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220011

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

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)

: Near Gate No - 2 : Sound Level Meter : VEL/S/SLM/03

: Calibrated : Clear Sky

05/12/2022 to 96/12/2022 06:00 AM to 06:00 AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline.

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.		Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
L	Lmax	18 9989	66.1	63.8	dB(A)
2.	Lmin	IS 9989	44,9	38.5	dB(A)
3.	Leq	TS 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.



Terms & Conditions

. The results reported relate only to the samples tested, in case sample is not down the results apply to the sample as received.

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Sample Number:

VEL/N/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220012

Format No.:

7.8 F-03

Party Reference No.:

4600082079 Dated- 16,05,2022

26/12/2022

Reporting Date: 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

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

06/12/2022 to 07/12/2022 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		THE !
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
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 pait in which noise is measured.

### Terms & Conditions

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The report no. with Suffix A-Amended Report.

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- Giving opinione does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab excepts any liability caused by the use or misuse of the 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/2212220013

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 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)

Near Wagon Tippler Sound Level Meter

: VEL/S/SLM/05

Calibrated

Intermittent Rain

06/12/2022 to 07/12/2022

06:00 AM to 06:00 AM

: Human, Vehicular and Cement plant Activities

: Regulatory Requirement

1 No any

: IS-9989 R-2014 & CPCB Guideline

± 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	TO THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON A	Protocol	Test Result dB (A)		
	Parameters		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
i.	Lmax	IS 9989	74.1	68.7	dB(A)
2.	Lmin	IS 9989	56.5	48.5	dB(A)
3.	Leq	IS 9989	62.20	52.44	dB(A)
4.	CPCB Limits in dB(A*) Leq. (Industrial Area.)		75,00	70.00	dB(A)

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



#### Terms & Conditions

The results reported rotate only to the samples festual in case sample is not drawn the results apply to the sample as received.

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-The report no. with Suffix A-Amended Report.

This test report will not be used for publicity or adventising or media purpose without prior written permission on the laboratory.
 Giving opinions does not simply endorsement of the lasted sample by the last. Under no circumstances, the lob excepts any liability caused by the use or misuse of the test report.



Sample Number:

VEL/N/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220014

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

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 Docation

Parameter Required

: Mr. Kapil Agrawal (Unit Head)

: Vardan EnviroLab Representative(Mukesh Chandra)

Near Gate No - 1

Sound Level Meter

VEL/S/SLM/01

Calibrated Class Star

: Clear Sky

: 19/12/2022 to 20/12/2022 : 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	69,4	64.6	dB(A)
2,	Lmin	15 9989	49.5	40.1	dB(A)
3,	Leq	15 9989	59.78	53.66	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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To confirm the authenticity of this certificate of analysis, please contact us through errest at lab givester.co.or Lubratilary is not respectable for the authenticity of photocopied lest report. The lest samples will be retained only for specific period.

The report no. with Suffs A-Amended Report.

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Sample Number:

VEL/N/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220015

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Near Gate No - 2

Sound Level Meter VEL/S/SLM/03

Calibrated

Clear Sky

19/12/2022 to 20/12/2022 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

: 1S-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		523
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	1S 9989	73.4	66.7	dB(A)
2.	Lmin	15 9989	49.1	41.4	dB(A)
3.	Leq	IS 9989	64.54	52.60	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area )	5	75.00	70.00	dB(A)

Note \*A "deprite his which noise is measured,

#### Terms & Conditions

This results operand relate only to the samples tested in case sample is not down the results apply to the sample as received.
 This test report in full on in part, shall not be reportuded in any court of law without prior written approval of the laboratory.

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The report no. with Suffix A-Amended Report.

This treat report will not be used for publishy or severising or media purpose without peror written permission on the laboratory.
 Giving opinions does not imply endomement of the tested sample by the lab. Under no consumerances, the lab accepts any liability oscaled by the use or missue of the test report.

Sample Number:

VEL/N/07

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220016

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

Varcian EnviroLab Representative(Mukesh Chandra)

Railway Line Side : Sound Level Meter : VEL/S/SLM/04

Calibrated Clear Sky

20/12/2022 to 21/12/2022 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
L	I.max	IS 9989	72.7	66.4	dB(A)
2.	Lmin	15 9989	51.8	43.5	dB(A)
3.	Leq	IS 9989	61.35	34.12	dB(A)
4,	CPCB Limits in dB(A*) Leq (Industrial Area )	8	75.00	70.00	dB(A)

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



Terms & Conditions

The results reported rotate only to the samples tested. In case sample is not down the results apply to the completes received.

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 Laboratory is not responsible for the authoritisty of photocopied test report. The test exemples will be retained only for specific period.

The seport no, with Suffix A Amended 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 nisuse of the last report.

Sample Number:

VEL/N/08

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2212220017

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 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)

Near Wagon Tippler Sound Level Meter VEL/S/SLM/05

Calibrated Clear Sky

20/12/2022 to 21/12/2022 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

### TEST RESULTS

Emino			Test Result dB (A)		100
S. No.	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	66.7	61.5	dB(A)
2.	Lmin	IS 9989	43.8	36.8	dB(A)
3.	Leq	IS 9989	57.24	49.68	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.



The results reported relate only to the samples tested, in case sample is not drawn the results apply to the sample as teceived.

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 To confirm the authenticity of this certificate of analysis, please contact us through entail of lab@ventan.co.in

To confirm the authenticity of this certificate of analysis, please confact us, through email at liab@ventar.co.ir
 Lipboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.

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Giving opinions does not imply endoscensed 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.



Sample Number:

VEL/N/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.: VEL/N/2301230014

T.S F-03

4600082079 Party Reference No.:

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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Near Gate No - 1

Sound Level Meter

: VEL/S/SLM/03

: Calibrated

: Clear Sky

: 05/01/2023 to 06/01/2023

: 06:00 AM to 06:00AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No any

: IS-9989 R-2014 & CPCB Guideline

: 24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters		Test Result dB (A)		-
		Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	68.3	61.2	dB(A)
2.	Lmin	IS 9989	46.1	38.2	dB(A)
3.	Leq	IS 9989	58.35	50.66	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 masks reported mission only to the eampies teched. It soose sample is not drawn the results apply to the sample as notice. This held report in last on in part, shall not be reproduced in any court of law without, prior written approval of the laboratory.
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This test report will not be used for publish or advertising or mode purpose without prior written permission on the testinatory.
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Sample Number:

VEL/N/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/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 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)

Near Gate No - 2 Sound Level Meter : VEL/S/SLM/04

: Calibrated Clear Sky

05/01/2023 to 06/01/2023 06:00 AM to 06:00 AM

: Human, Vehicular and Coment plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmsx	IS 9089	71.3	65.2	dB(A)
2.	Lmin	1S 9989	41.6	35.1	dB(A)
3.	Leq	IS 9989	61.28	48.39	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 mobility (e) for interplace, buffer, or cases compare a not drawn the results apply to the sample as notioned. This test report is full or in pair, adjult width legislate from any count of law without prior written approval of the laboratory. To confirm the authoritiestly of the conflictable of analysis, please conflect as frecault email all badily-vertex come. Laboratory a not responsible for the entitlesticity of photocopied lost report. The test samples will be retained only for specific period. The report no. with Suffa A-Amended Report.

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Sample Number:

VEL/N/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/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 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/05 Calibrated

Intermittent Rain.

06/01/2023 to 07/01/2023

06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

: 1S-9989 R-2014 & CPCB Guideline

1 24.0 Hours

1 As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		- 500
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
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)	4	75.00	70.00	dB(A)

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



Terms & Conditions

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Sample Number:

Name & Address of the Party:

VEL/N/04

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2301230020

Format No.: 7.8 F-03

4600082079 Party Reference No.:

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

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)

Near Wagon Tippler Sound Level Meter

VEL/S/SLM/06

Calibrated

: Intermittent Rain

06/01/2023 to 07/01/2023 : 06:00 AM to 06:00 AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No any

: 1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	62.5	58.4	dB(A)
2.	Lmin	IS 9989	46.9	40.8	dB(A)
3.	Leq	IS 9989	55.58	51,68	dB(A)
4,	CPCB Limits in dB(A') Leq (Industrial Area.)		75.00	70.00	dB(A)

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



#### **Terms & Conditions**

The result reported triple or my to the samples lieded. In case sample is set drawn the results apply to the sample as incerved.

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Sample Number:

VEL/N/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/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 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)

Near Gate No - 1 Sound Level Meter VEL/S/SLM/03

Calibrated Clear Sky

19/01/2023 to 20/01/2023 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No my

: 1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters		Test Result dB (A)		
		Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
L	Lmax	15 9989	65.6	60.2	dB(A)
2.	Lmin	15 9989	48.9	37.7	dB(A)
3.	Leq	IS 9989	56.28	51.35	dB(A)
4,	CPCB Limits in dB(A*) Leq (Industrial Area.)	-	75.00	70.00	dB(A)

Note: "A "decibe!" is a unit in which noise is measured.



Terms & Conditions

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The results reported milet only to the samples belief, in case sample is not drawn the results apply to the sample as incohest.
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Sample Number:

VEL/N/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .: Format No.: VEL/N/2301230017

7.8 F-03

4600082079 Party Reference No.:

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

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)

Near Gate No - 2 Sound Level Meter VEL/S/SLM/04

: Calibrated Clear Sky

19/01/2023 to 20/01/2023

: 06:00 AM to 06:00 AM : Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters		Test Result dB (A)		- 10
		Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	74.6	69.2	dB(A)
2.	Lmin	IS 9989	47.8	43.1	dB(A)
3,	Leg	IS 9989	61,39	55.08	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	(e)	75.00	70.00	dB(A)

Note' \*A "doelbel" is a unit in which noise is measured.



#### Terms & Conditions

- The results reported noted only to the complex leaded. In case sample is not direct the results apply to the sample is received.

  This lead report is full or in part, shall not be repreduced is any count of an extract prior writter approved all the schoolsery.

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  Laboratory is not required the full schools of produced places.

  The report is with Suffix A-threefold Places.

  This test resort will not be used for publicity or solverteining or media purpose without prior written permission on the laboratory.

  Ording opinions done not imply endorsement of the tested sample by the lab. Under no discurretances, the lab excepts any liability caused by the use or nitious of the lest report.



Sample Number:

Name & Address of the Party:

VEL/N/07

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.: VEL/N/2301230019

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 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/05 Calibrated

Clear Sky

20/01/2023 to 21/01/2023 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

1 15-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		1.35
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	15 9989	73.3	68.1	dB(A)
2.	Lmin	IS 9989	53.9	45.2	dB(A)
3.	Leq	IS 9989	64,19	56.48	dB(A)
4,	CPCB Limits in dB(A') Leq (Industrial Area')	3.50	75.00	70.00	dB(A)

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

Terms & Conditions

The results reported health type to the surregion figured, in some sample is not drawn the nesults apply to the somple as mode. This local report in full or implay. Mad not be settinguouse in one count of low settings) peter written approval of the laboratory. To cention the authoratory of this coefficient of anxience, please scream as through small at integretate, out in

Ris for the authenticity of photocopied test report. The lest complex will be related only for specific period

The sport so, all Saffa A Amended Report.
The sport so, all Saffa A Amended Report.
The load report will not be used for publishy or advantang, or marks purpose without prior written germination on the laboratory.
Giving opinions dues not imply endonement of the tested earnier by the lab. Under no circumstances, the lab excepts any tability caused by the use or nature of the last report.



Sample Number:

VEL/N/08

M/s JK Cement Works

Report No.: Format No.: VEL/N/2301230021

Name & Address of the Party:

Mohan Bari Road Jharli - 124106

7.8 F-03 4600082079

Distt - Jhajjar (HARYANA)

Party Reference No.:

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

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 EnviroLah Representative(Makesh Chandra)

: Near Wagon Tippler

: Sound Level Meter : VEL/S/SLM/06

: Calibrated

: Clear Sky

: 20/01/2023 to 21/01/2023

06:00 AM to 06:00AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No any

: IS-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		141
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	74.0	66.8	dB(A)
2.	Lmin	IS 9989	53.7	42.3	dB(A)
3.	Leq	1S 9989	62,79	53.47	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 lasted, in case sample is not drawn the results apply to the sample as received.

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This last sport will not be used for publicly or advertising or media purpose without prior within permission on the laboratory.

Giving opinions does not imply endowment of the lasted sample by the last. Under no circumstancer, the lab accepts any labelity caused by the use or missue of the last report.



Sample Number:

VEL/N/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2302220014

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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

Parameter Required

Sampling Duration

: Mr. Kapil Agrawal (Unit Head)

: VardanEnviroLab Representative(Ravi)

Near Gate No - 1

: Sound Level Meter

VEL/S/SLM/02

: Calibrated Clear Sky

04/02/2023 to 05/02/2023

06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
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)	1	75.00	70.00	dB(A)

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



## Terms & Conditions

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THE REAL PROPERTY OF THE PROPE

Sample Number:

VEL/N/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2302220015

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

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)

VardanEnviroLab Representative(Ravi)

: Near Gate No - 1

Sound Level Meter

VEL/S/SLM/02 : Calibrated

Intermittent Rain

18/02/2023 to 19/02/2023

06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No any

: 1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		- 6
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
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.



Terms & Conditions

The neadts reported relate only to the samples fested. In case sample is not drawn the results apply to the sample se reported.

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This late report will not be used for publicity or objection groups without prime writer permission on the laboratory.

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Sample Number:

VEL/N/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharti - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2302220016

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

: VardanEnviroLab Representative(Ravi)

: Near Gate No - 2 : Sound Level Meter

VEL/S/SLM/03

: Calibrated : Clear Sky

04/02/2023 to 05/02/2023

06:00 AM to 06:00 AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protecol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	63.5	58.9	dB(A)
2.	Lmin	IS 9989	40.1	34.7	dB(A)
3.	Leq	18 9989	39.04	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.



The results reported relate only to the samples tested, in case sample is not shown the results apply to the sample as received.
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Laboratory is not responsible for the authenticity of protocopied test report. The test samples will be retained only fur specific period.

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Sample Number:

VEL/N/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2302220017

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

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)

: VanianEnviroLab Representative(Ravi)

: Near Gate No - 2

Sound Level Meter

VEL/S/SLM/03

Calibrated

Intermittent Rain

18/02/2023 to 19/02/2023

06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

: 24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	72.4	66.2	dB(A)
2	Lmin	IS 9989	45.6	40.8	dB(A)
3.	Leq	IS 9989	63.77	57.12	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Aren)		75,00	70.00	dB(A)

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

#### Terms & Conditions

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Sample Number:

VEL/N/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharfi - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/N/2302220018

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

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 Agrawel (Unit Head)

: VardanEnviroLab Representative(Ravi)

: Railway Line Side

: Sound Level Meter

: VEL/S/SLM/04 : Calibrated

: Intermittent Rain

: 05/02/2023 to 06/02/2023

06:00 AM to 06:00 AM

: Human, Vehicular and Rail Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		=
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
te.	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*) 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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Sample Number:

VEL/N/07

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.: VEL/N/2302220019

7.8 F-03

4600082079 Party Reference No.:

Dated- 16.05,2022

Reporting Date:

27/92/2023

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 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)

VardanEnviroLab Representative(Ravi)

Railway Line Side Sound Level Meter VEL/S/SLM/04

: Calibrated : Clear Sky

19/02/2023 to 20/02/2023 06:00 AM to 06:00 AM

: Human, Vehicular and Rail Activities

Regulatory Requirement

No any

15-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.		Ter		sult dB (A)	
	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
_	T waste	IS 9989	74.6	64.7	dB(A)
1.	Lmax	1S 9989	55.4	43.1	dB(A)
2.	Lmin	IS-9989	65.87	55.16	dB(A)
3.	CPCB Limits in dB(A*) Leq	*	525.62	70.00	dB(A)
4.	(Industrial Area )		75.00	70.00	

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



Terms & Conditions

The wealth recorded value only to the samples tested, in cose sample is not chann the results apply to the sample as received.
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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 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)

VardanEnviroLab Representative(Ravi)

Near Wagon Tippler Sound Level Meter VEL/S/SLM/05

: Calibrated

: Intermittent Rain

05/02/2023 to 06/02/2023 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

	The state of the s	St. Harris	Test Result dB (A)		
S. No.	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
		165 WHORK	64.7	54.8	dB(A)
1.	Lmax	IS 9989		39.4	dB(A)
2.	Lmin	15 9989	51.3		dB(A)
3.	Leq	IS 9989	56.76	50.34	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 secular reported relate only to the samples tested, in cause sample and drawn the results apply to the sample as increased. This beet report in fall on in part, shall not be reported on any could of the valeboat prior venter approval of the independent.
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Sample Number:

Name & Address of the Party:

VEL/N/08

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhaijar (HARYANA)

Report No.:

VEL/N/2302220021

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

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)

VardanEnviroLab Representative(Ravi)

: Near Wagon Tippler

1 Sound Level Meter : VEL/S/SLM/05

: Calibrated

: Clear Sky

19/02/2023 to 20/02/2023 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Re		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	71.2	65.5	dB(A)
2.	Lmin	15.9989	52.9	45.8	dB(A)
3.	Leq	15 9989	60;26	55.78	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area.)	-	75.00	70.00	dB(A)

Note: \*A "decihel" is a unit in which noise is measured.



Terms & Conditions

The results reported whole only is the samples isoted in case sample is not down the results agoly to the somple as received.
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Sample Number:

VEL/N/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220014

Format No.: Party Reference No.:

7.8 F-03 4680082079

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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Near Gate No - 1 Sound Level Meter

VEL/S/SLM/02 : Calibrated

: Clear Sky

04/03/2023 to 05/03/2023 06:00 AM to 06:00AM

: Haman, Vehicular and Cement plant Activities

Regulatory Requirement

No my

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters		Test Result dB (A)		
		Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
·t.	Lmax	IS 9989	67,9	58.3	dB(A)
2.	Lmin	15 9989	46.1	39,1	dB(A)
3.	Leq	IS 9989	59:36	50.33	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	186	75,00	70.00	dB(A)

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



#### Terms & Conditions

- The results reported relateronly to the samples feeted. In case sample is not drawn the results apply to the sample as represed.
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- The report to, with Suffix A Amended Report,
- This test sport will not be used for published as wherefung or medic purpose without poor seller permission or the laboratory.
   Giving dynamic base not imply endominant of the lasted sample by the last. Under no coournationer, the lab accepts any linking caused by the use or misuse of the last report.



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Sample Number:

VEL/N/05

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220015

Format No.: Party Reference No.:

7.8 F-03 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

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)

VardanEnviroLab Representative(Mukesh Chandra)

: Near Gate No - I Sound Level Meter : VEL/S/SLM/02

Calibrated

: Intermittent Rain

18/03/2023 to 19/03/2023 06:00 AM to 06:00AM

: Human, Vehicular and Cement plant Activities

: Regulatory Requirement

1 No any

: 1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

As per Work Order

### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Limix	IS 9989	64.6	56.4	dB(A)
2.	Lmin	IS 9989	44.5	36.7	dB(A)
λ.	Leq	IS 9989	55,34	48.82	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	15	75,00	70.00	dB(A)

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



#### Terms & Conditions

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   To confirm the carbentisity of this conflicts of analysis, please contact as through email attein@vender.co.in
- No for the authoritidy of photosopied test report. The test samples will be retained only for specific period. The report no. with Suffix A-Amended Report.
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Pager of 1



Sample Number:

Name & Address of the Party:

VEL/N/02

M/s JK Cement Works

Mohan Bari Road Jharli - 124186

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220016

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

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)

: VardanEnviroLab Representative(Mukesh Chandra)

Near Gate No - 2 Sound Level Meter : VEL/S/SLM/03 : Calibrated

Clear Sky

04/03/2023 to 05/03/2023 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No my

: 1S-9989 R-2014 & CPCB Guideline

1 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	IS 9989	61.2	55.6	dB(A)
2.	Lmin	IS 9989	41.8	33.9	dB(A)
3.	Leq	IS 9989	57.69	46.25	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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- Laboratory is not responsible for the authenticity of photocopied and report. The less samples will be retained only for specific period.
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Sample Number:

VEL/N/06

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.:

VEL/N/2303220017

7.8 F-03 Party Reference No.:

4600082079

Dated- 16.05,2022

Reporting Date:

Period of Analysis:

27/03/2023 22/03/2023 to 27/03/2023

Receipt Date:

22/03/2023

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. Kapii Agrawal (Unit Head)

VardanEnviroLab Representative(Mukesh Chandra)

: Near Gate No - 2 : Sound Level Meter : VEL/S/SLM/03

: Calibrated

: Intermittent Rain

18/03/2023 to 19/03/2023 : 06:00 AM to 06:00 AM

: Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours

As per Work Order

#### TEST RESULTS

S. No.	Parameters	Protocol	Test Result dB (A)		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1,	Lmax	IS 9989	70.5	62,1	dB(A)
2,	Lmin	IS 9989	49.2	41.3	dB(A)
3.	Leq	IS 9989	61.58	56,19	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75.00	70.00	dB(A)

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



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Paget of 1



Sample Number:

VEL/N/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124196 Distr - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220018

Format No.: Party Reference No.:

7.8 F-03 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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Railway Line Side Sound Level Meter VEL/S/SLM/04 Calibrated

Clear Sky

05/03/2023 to 06/03/2023 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

Regulatory Requirement

No any

: 1S-9989 R-2014 & CPCB Guideline

: 24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.			Test Re		
	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (19:00 pm to 06:00 am)	Unit
1.	Lmax	18 9989	65.4	57,1	dB(A)
2.	Lmin	IS 9989	42.6	37.4	dB(A)
3.	Log	IS 9989	60.04	52.41	dB(A)
4.	CPCB Limits in dB(A') Leq (Industrial Area)	-	75.00	70.00	dB(A)

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#### Terms & Conditions

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Sample Number:

VEL/N/07

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220019

Format No.:

T.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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Railway Line Side Sound Level Meter VEL/S/SLM/04 Calibrated

Intermittent Rain

19/03/2023 to 20/03/2023 06:00 AM to 06:00 AM

Human, Vehicular and Rail Activities

: Regulatory Requirement

2 No my

: 1S-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.			Test Re		
	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 96:00 am)	Unit
1.	Lmax	IS 9989	73.2	65.5	dB(A)
2.	Lmin	IS 9989	52.6	44.8	dB(A)
3.	Leq	IS 9989	64.55	54.28	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)		75,00	70.00	dB(A)

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



Terms & Conditions

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- This hast report in full or in part, what not have produced in any count of tax without prior written approved of the laboratory.
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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.: Format No.: VEL/N/2303220020

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

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)

VardanEnviroLah Representative (Mukesh Chandra)

Near Wagon Tippler Sound Level Meter VEL/S/SLM/05 Calibrated

Clear Sky

05/03/2023 to 06/03/2023 06:00 AM to 06:00 AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

No any

IS-9989 R-2014 & CPCB Guideline

24.0 Hours.

: As per Work Order

#### TEST RESULTS

S. No.			Test Re		
	Parameters	Protocol	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Lmax	15 9989	62.5	53.2	dB(A)
2.	Lmin	IS 9989	50.6	38.5	dB(A)
3.	Leg	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.



#### Terms & Conditions

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Sample Number:

VEL/N/08

Name & Address of the Party:

M/s JK Cement Works

Mokan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/N/2303220021

Format No.: Party Reference No.:

7.8 F-03 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

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)

VardanEnviroLab Representative(Mukesh Chandra)

Near Wagon Tippler Sound Level Meter VEL/S/SLM/05 : Calibrated

Intermittent Rain

: 19/03/2023 to 20/03/2023

: 06:00 AM to 06:00AM

Human, Vehicular and Cement plant Activities

Regulatory Requirement

: No any

1S-9989 R-2014 & CPCB Guideline

24.0 Hours

: As per Work Order

#### TEST RESULTS

S. No.		Protocol	Test Re		
	Parameters		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	Unit
1.	Limax	IS 9989	72.8	61.6	dB(A)
2.	Lmin	1S 9989	48.4	44.7	dB(A)
3.	Leq	IS 9989	63.45	53.15	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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Pager of 1



# $\frac{\text{J.K.CEMENT WORKS, JHARLI}}{\text{AMBIENT AIR QUALITY MONITORING DATA FOR FUGITIVE EMISSION}} \\ (\text{QUARTERLY AVERAGE } \mu\text{g/M}^3)$

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

Sample Number:

VEL/3KCW/F/01

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/F/2210160001

Format No.: Party Reference No.:

7.8 F-03 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:-

Name & Address of the Party:

Sample collected by

Sampling Location Date of Monitoring

Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

VardanEnviroLab Representative

: Packing Plant

15/10/2022

RDS

VEL/RDS/06

: 11:00 AM to 07:00 PM

: Calibrated

Clear Sky

Min. 24°C Max. 36°C

Human , Vehicular, & Other Plant Activities

Regulatory Requirement

8 Hours

No

IS-5182 & CPCB Guidelines

: 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/m³	5000

\*\*\* End of Report \*\*\*





The results reported relate only to the samples fasted. In case sample is not drawn the results apply to the sample as received.
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Sample Number:

VEL/JKCW/F/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No .:

VEL/F/2210160002

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

Sampling Location Date of Monitoring

Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

VardanEnviroLab Representative

Fly Ash Site

15/10/2022

RDS

VEL/RDS/07

07:45 PM to 03:45 AM

Calibrated

Clear Sky

Min. 24°C Max. 36°C

Human , Vehicular, & Other Plant Activities

Regulatory Requirement

8 Hours

No

IS-5182 & CPCB Guidelines

As Per Work Order

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	18: 5182 (P-4), Gravimetric Method	556.89	µg/m³	5000





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Sample Number:

VEL/JKCW/F/03

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124166

Distt - Jhajjar (HARYANA)

Report No.:

VEL/F/2210160003

Format No.: Party Reference No.: 7.8 F-03 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

Sampling Location

Date of Monitoring Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Duration of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

VardanEnviroLab Representative

Unloading Area

15/10/2022

RDS

VEL/RDS/08

09:35 AM to 05:35 PM

Calibrated

Clear Sky

Min. 24°C Max. 36°C

Human , Vehicular, & Other Plant Activities

Regulatory Requirement

8 Hours

No

IS-5182 & CPCB Guidelines

: 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/m³	5000







#### Terms & Conditions

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Sample Number:

VEL/JKCW/F/04

Name & Address of the Party:

M/s JK Cement Works

Mehan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.: Format No.: VEL/F/2210160004

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

Sampling Location

Date of Monitoring Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any Sampling & Analysis Protocol

Parameter Required

VardanEnviroLab Representative

Near Cement Mill

15/10/2022

RDS

VEL/RDS/09

07:00 PM to 03:00 AM

Calibrated

Cleur Sky

Min. 24'C Max. 36'C

Human , Vehicular, & Other Plant Activities

Regulatory Requirement

8 Hours

No

1S-5182 & CPCB Guidelines

: As Per Work Order

#### TEST DESILITS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	IS: 5182 (P-4), Gravimetric Method	572.34	μg/m³	5000





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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.: Party Reference No.:

7.8 F-03

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

Sampling Location

Date of Monitoring

Instrument Used

Instrument ID Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: VardanEnviroLab Representative (Mukesh Chandra)

: Packing Plant

: 21/01/2023

: RDS

: VEL/RDS/07

: 10:25 AM to 06:25 PM

: Calibrated

: Clear Sky

: Min. 11'C Max. 25'C

: Human , Vehicular, & Other Plant Activities

: Regulatory Requirement

: 8 Hours

: No

: IS-5182 & CPCB Guidelines

: As Per Work Order

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	VEL ENV/STP 164, base No01 20/06/2022	351.48	μg/m³	5000

\*\*\*End of Report\*\*\*





The results repented mone only to the samples feeled, in case sample is not drawn the negative apply to the sample as moneyed.
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Sample Number:

VEL/A/34

Report No.:

VEL/A/2301230023

Name & Address of the Party:

M/s JK Cement Works

Format No.:

7.8 F-03 4600082079

Mohan Bari Road Jharli - 124106 Distt - Jhajjar (HARYANA)

Party Reference No.:

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

Sampling Location

Date of Monitoring

Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any Sampling & Analysis Protocol

Parameter Required

VardanEnviroLab Representative (Mukesh Chandra)

: Fly Ash Site

21/01/2023

RDS

VEL/RDS/08

10:55 AM to 06:55 PM

Calibrated

Clear Sky

Min. 11'C Max. 25'C

Human , Vehicular, & Other Plant Activities

Regulatory Requirement

: 8 Hours

: No

1S-5182 & CPCB Guidelines

As Per Work Order

#### TEST RESULTS

		E 400 4 E 400 100 100 100 100 100 100 100 100 100		A Committee of the Comm	
S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	VEL/ENV/STP/164-User No-01 20/08/2022	387.77	µg/m³	5000







#### Terms & Conditions

The results reported middle only to the samples tested, it case sample is not down the results apply to the sample as more. This tood report in full or in part, shall not be reported in any count of the without point written approval of the unionship. The coefficient of analysis, please contact as through entail at listing various, but, a Laboratory is not responsible to the outbreakly of please contact as through entail at listing various, but, a Laboratory is not responsible to the outbreakly of proteoriest that report. The test samples will be installed only for spec-trust report on. with Suffix A Amended Report.

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Giving opinions does not imply endorsement of the busint sample by the lab. Under no circumstances, the lab accepts any liability second by the use or nakes of the feel report.

Sample Number:

VEL/A/35

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharfi - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301230024

Format No.: Party Reference No.: 7.8 F-03 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

Sampling Location

Date of Monitoring Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: VardanEnviroLab Representative (Mukesh Chandra)

: Unloading Area

21/01/2023

RDS

VEL/RDS/09

: 11:25 AM to 7:25 PM

: Calibrated

: Clear Sky

Min. 11'C Max. 25'C

: Human , Vehicular, & Other Plant Activities

: Regulatory Requirement

: 8 Hours

: No

: 1S-5182 & CPCB Guidelines

: As Per Work Order

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	VEL/ENV/STP/164, base No.491 20/06/2022	412.09	μg/m³	5000

\*\*\*End of Report\*\*\*





The results reported relate only to the samples bested, in case sample is not drawn the results apply is the sample as received. This lead report in fall or in part, shall not be reproduced in any cost of like without previously of the sample as received. The sample related to the sample within approval of the sample related to the sample within approval of the sample related to the sample with a sample related to the sample related to

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This best report will not be used for publicity or extensing or media purpose without prior written permission on the fadoratory.

Giving opinions class soft imply endonments of the busind sample by the lab. Under no incurretances, the lab occepts any faithfly caused by the use or mission of the find report.

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Sample Number:

VEL/A/36

Name & Address of the Party:

M/a JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Report No.:

VEL/A/2301230025

7.8 F-03

Format No.: 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

Sampling Location

Date of Monitoring Instrument Used

Instrument ID

Timing of Monitoring

Instrument Calibration Status

Meteorological condition during monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

**Duration of Monitoring** 

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

: VardanEnviroLab Representative (Mukesh Chandra)

: Near Cement Mill

: 21/01/2023

: RDS

: VEL/RDS/10

: 6:30 PM to 2:30 AM

: Calibrated

Clear Sky

Min. 11°C Max. 25°C

: Human , Vehicular, & Other Plant Activities

: Regulatory Requirement

: 8 Hours

: No

: 1S-5182 & CPCB Guidelines

: As Per Work Order

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Suspended Particulate Matter (SPM)	VEL/ENV/STIV164, Issue No-01 20/06/2022	479,22	μg/m <sup>3</sup>	5000







- The require reported relate only to the samples tested in uses somple is not done the results apply to the samples as not. This seed equal is fall on in part, shall not be reproduced in any cost of lies without price written approval of the laborator. To confirm the sufferencing of this sertificate of sealyes, please contact us through ernal at high-productura in coul of the laborator

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INTERNATION OF THE PARTY OF THE

	J.K.CEMENT WORKS, JHARLI									
	Stack Emission Monitoring (mg/Nm³) of Oct-22 to March-23									
Sr.No.	Location									
51.110.	Location	$\alpha$	NT OO	D 00	T 00	T 1 00	3.5 00	A		
		Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Average		



Sample Number:

VEL/JKCW/ST/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (Haryana)

Report No.:

VEL/ST/2210170001

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

Sample collected by

Sampling Date

Sampling Location

Sampling Duration (Minutes)

Stack Attached to

Metrological Condition Instrument Calibration Status

Height of Stack

Diameter of Stack

Ambient Temperature-Ta (°C)

Temperature of Stack Cases-Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling Condition

Protocol Used

Opacity Meter Reading During Monitoring(mg/Nm<sup>3</sup>)

: Mr. Kapil Agrawal (Unit Head)

Vardan Enviro Lab Representative

16/10/2022

Near Bag House

Ball Mill Bag house or Separator Bag house

Clear Sky

OK.

43.0 metr

2 nate

37.0

oc d

8.80

28.0

2.0

Isokinetie

IS:11255& CPCB Guideline

6.0

#### TEST RESULTS.

S. No.	Parameter	Pretocol	Result	Unit
1	Particulate Matter (PM)	IS 11255 (P-1) Gravienetric Method	6.10	mg/Nm³

#### Terms & Conditions

The results reported retate only to the complice tested. In case complete you those the results control to the complete personalist

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# Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 12205 J. (Hr). ISO 9001 | ISO 14001 | ISO 45001

#### Test Report

Sample Number:

Pomer & Additions of the Purey:

VELAKCW/ST/M

Mrs JK Cement Works

Muhan Beri Road Jharlt - 124106

Distt - Jhujjar (Haryana)

Report No.:

VEU/ST/2211210001

Format No.:

7.8 F-03 4600082079

Party Reference No :

Paged- 16,05,3022

Reporting Date:

25/11/2022

Period of Analysis:

21/11/2022 to 25/11/2022

Receipt Onte:

21/41/2022

Sample Description-

STACK EMISSION MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Date

Sampling Lucation

Sampling Duration (Minutes) Stack Attached to

Metrological Copulition

Instrument Callbration Status

Fleight of Stack

Dismeter of Stuck

Amblent Temperature-Ta (°C)

Temperature of Stack Guses- Is (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM) Sampling Condition

Quacity Meter Reading During Monitorangemic/Vm<sup>2</sup>)

Mr. Akhilesh

VardanEnviroLab Representative(Mukesh Chandra)

19/11/2022

Builter Area Near Bay House

33.0

RAIL VIIII But house or Separator Bug house.

Cicar Sky

DIK

d3.II nore

2 intr

9410

9.20

29.0

2.11

Isokinetic

IS :11255& CPCB Guideline

+ 6.0

#### EST RESULTS

S No	Parametti	Pritocol-	Result	Tolkgan (
ostor, ti	Particulate Visiter (PNI)	ISU 1255 (P40)	5.98	ong Ven



#### Terms & Conditions

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Sample Number:

VEL/S/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharff - 124106

Distt - Jhajjar (Haryana)

Report No.:

VEL/S/2212196012

Format No.:

7.8 F-03 4600082079

Party Reference No.:

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

Sample collected by

Sampling Date

Sampling Location

Sampling Duration (Minutes)

Stack Attached to Metrological Condition

Instrument Calibration Status

Height of Stack

Diameter of Stack

Ambient Temperature-Ta (°C) Temperature of Stack Gases-Ts (\*C)

Velocity of Stack Gases (m/sec.) Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling Condition

Protocol Used

Opacity Meter Reading During Monitoring (mg/Nm²)

Mr. Akhilesh

VardanEnviroLab Representative(Mukesh Chandra)

16/12/2022

Boiler Area Near Bag House

Ball Mill Bag house or Separator Bag house

Clear Sky

OK

43.0 mtr

2 mir

23.9

95.0 9.80

20.0

2.0

Isokinetie

IS:11255& CPCB Guideline

6.0

#### TEST RESULTS

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





#### Terms & Conditions

- The reported relate entry to the samples ferred. In cases surrote to not drawn the requits eaply for the completes sectional.
- This test report in fall on in part, shall not be reproduced in any court of law without prior written approval of the beteration.
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Sample Number:

Name & Address of the Party:

VEL/S/01

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (Haryana)

Report No.: Format No.: VEL/S/2301230010

7.8 F-03

Party Reference No.:

4600082079

Dated-16.05.2022

Reporting Date:

Period of Analysis:

27/01/2023 23/01/2023 to 27/01/2023

Receipt Date:

23/01/2023

Sample Description:

STACK EMISSION MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Date

Sampling Location

Sampling Duration (Minutes)

Stack Attached to

Metrological Condition

Instrument Calibration Status

Height of Stack Diameter of Stack

Ambient Temperature-Ta (°C)

Temperature of Stack Gases-Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling Condition Protocol Used

Opacity Meter Reading During Monitoring(mg/Nm<sup>b</sup>)

: Mr. Akhilesh

VardanEnviroLab Representative(Mukesh Chandra)

20/01/2023

: Boiler Area Near Bag House

Ball Mill Bag house or Separator Bag house

Clear Sky

OK

43.0 mtr

2 mtr

23.0

95.0

9.80 29.0

2.0

: Isolainetie

18:11255& CPCB Guideline

6.0

#### TEST RESULTS

S. Nu.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	5.0	mg/Nav <sup>3</sup>





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Sample Number:

VEL/S/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (Haryana)

Report No.:

VEL/S/2302230005

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

Sample collected by

Sampling Date

Sampling Location

Sampling Duration (Minutes)

Stack Attached to

Metrological Condition

Instrument Calibration Status

Height of Stack

Diameter of Stack

Ambient Temperature-Ta (°C)
Temperature of Stack Gases-Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling Condition

Protocol Used

Opacity Meter Reading During Monitoring(mg/Nm<sup>3</sup>)

: Mr. Akhilesh

VardanEnviroLab Representative (Ravi)

21/02/2023

Boiler Area Near Bag House

33.0

Ball Mill Bag house or Separator Bag house

Intermittent Rain

OK

43.0 mtr

2 mtr

23.0

05.0

0.80

29.0

2.0

Isolainetic

IS:11255& CPCB Guideline

: 6.0

#### TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	5.9	mg/Nm²





#### Terms & Conditions

The results reported extensionly bother samples haded. In case sumply it not drawn the county copyly to the complete an excellent

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Sample Number:

VEL/S/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Rond Jharli - 124106

Distt - Jhajjar (Haryana)

Report No.:

VEL/8/2303270005

Format No.: 7.8 5-03

4600082079

Party Reference No.:

Dated-16.05.2022

Reporting Date:

31/03/2023

Period of Analysis:

27/03/2023 to 31/03/2023

Receipt Date:

27/03/2023

Sample Description:

STACK EMISSION MONITORING

General Information:-

Client Representative

Sample collected by

Sampling Date

Sampling Location Sampling Duration (Minutes)

Stack Attached to

Metrological Condition

Instrument Calibration Status Height of Stack

Diameter of Stack

Ambient Temperature-Ta (°C) Temperature of Stack Gases-Ts (9C)

Velocity of Stack Gases (m/sec.) Flow rate of PM (LPM) Flow rate of Gas (LPM)

Sampling Condition

Protocol Used Opacity Meter Reading During Monitoring(mg/Nm3) 1 Mr. Akhilesh

: VardanEnviroLab Representative (Mukesh Chindra)

24/03/2023

: Boller Area Near Bag House

37.0 Ball Mill Bag house or Separator Bag house

Intermittent Rain

OK

43.0 mtr. 2 mir

27.0

: 98.0 10.20

: 27.0

2.0

Isokinztic

18:11255& CPCB Guideline

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Marter (PM)	IS 11255 (P-1)	4.3	mg/Nm²



Terms & Conditions

The wealth reported colons only to the samples tooled. In case sample is not show the resultances, to the soluble as inclined

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Page 1 of 1

# JK Cement Works, Jharli STP Analysis Report October-2022 to March-2023

## **STP Outlet Analysis Report December-2022**

				Standards for Discharge as per CPCB			
S. No.	Parameter	Result	Unit	In-Land Surface Water	Public Sewers	Land for Irrigation	
1	pH (at 25 <sup>0</sup> 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**

	Parameter			Standards for Discharge as per CPCB			
S. No.		Result Unit In		In-Land Surface Water	Public Sewers	Land for Irrigation	
1	pH (at 25 <sup>0</sup> 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	



Sample Number:

VEL/WW/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt - Jhajjar (HARYANA)

Sewage Water (STP Inlet)

Report No.:

VEL/WW/2212160001

Format No.: Party Reference No.: 7.8 F-03 4600082079

Dated-16.05.2022

Reporting Date:

Period of Analysis:

20/12/2022 16/12/2022 to 20/12/2022

16/12/2022

Receipt Date Sampling Date:

14/12/2022

STP Plant VardanEnviroLab Representative(Mukesh Chandra)

Preservation:

Refrigerated

Sample Collected by: Parameter Required: Analysis Protocol:

Sample Description:

Sampling Location:

As per Work Order

APHA

Sampling Quantity:

2.0 Ltr

#### TEST RESULTS

5. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS:3025 (P-)1)	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	mgL
5.	Oil and Grease	Clause No-5 of IS:3025 (P-39)	6.00	mg/L





#### Terms & Conditions

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- To confirm the authenticity of this certificate of analysis, please contact us through entail at lability arctor, or, in
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- The report no, with Suffa 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 agricons does not imply endersement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or missase of the test report.



Sample Number:

VEL/WW/02

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt-Jhajjar (HARYANA)

Sewage Water (STP Outlet)

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 14/12/2022

Sampling Date: Preservation:

Refrigerated

VardanEnviroLab Representative(Mukesh Chandra)

STP Plant

Parameter Required: Analysis Protocol:

Sample Description:

Sampling Location:

Sample Collected by:

As per Work Order

1S 3025, APHA

Sampling Quantity:

2.0 Ltr.

	The state of the s	The state of the s	Result	Unit	Standards for Discharge as per CPCB		
S. No.	Con Inversally year				In-Land Surface Water	Public Sewers	Land for Irrigatio
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	***	144
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





#### Terms & Conditions

The results reported relate only to the samples hested. In case sample is not drawn the results apply to the sample as received.

This test report in full on in part, shall not be reproduced in any court of law without, prior written approval of the laboratory.

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The report no. with Sulfix A-Amended Report.

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 Giving opinions does not imply endorsoment of the lasted sample by the lab. Under no circumstances, the lab accepts any liability caused by the circ or mission of the last report.



Sample Number:

VEL/WW/01

Name & Address of the Party:

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt-Jhajjar (HARYANA)

Sewage Water (STP Inlet)

Report No.:

VEL/WW/2303270008

7.8 F-03 Format No.:

> 4600082079 Dated-16.05.2022

Reporting Date: 31/03/2023

Party Reference No.1

Period of Analysis:

27/03/2023 to 31/03/2023

Receipt Date

27/03/2023

Sampling Date:

Preservation:

25/03/2023 Refrigerated

STP Plant VardanEnviroLab Representative(Mukesh Chandra)

Parameter Required: Analysis Protocol:

Sample Description:

Sampling Location:

Sample Collected by:

As per Work Order

APHA

Sampling Quantity:

2.0 Ltr

#### TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	
1.	pH (at 25 °C)	18;3025 (P-I1)	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 Na-5 of IS:3025 (P-39)	5.33	mg'L	





#### Terms & Conditions

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   To confirm the subwriticity of this certificate of analysis, please contact as through entail at lab giventor, or, in
- Laboratory is not responsible for the authorizohy of photocopert test report. The tost somplos will be intoined only for supplie period.
- The report no, with Soffix A-Amended Report.
- International content of the second or publicity or selectioning or media purpose elitrostyrics ended permission on the laboratory.

   Owing options does not imply endomensent of the tested sample by the lab. Under so oncumbanous that all accepts any liability busined by the use or misuse of the test endors.





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

### Test Report

Sample Number:

Name & Address of the Party:

VEL/WW/02

M/s JK Cement Works

Mohan Bari Road Jharli - 124106

Distt-Jhajjar (HARYANA)

Sewage Water (STP Outlet)

Report No.:

Format No.:

VEL/WW/2303270009 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

Receipt Date

27/03/2023 25/03/2023

Sampling Date: Preservation:

Refrigerated

VardanEnviroLab Representative(Mukesh Chandra)

STP Plant

Parameter Required: Analysis Protocol:

Sample Description:

Sampling Location:

Sample Collected by:

As per Work Order

18 3025, APHA

Sampling Quantity:

2.0 Ltr

S. No.	Parameter	Test - Method		Unit	Standards for Discharge as per CPCB		
			Result		In-Land Surface Water	Public Sewers	Land for Irrigatio
t.	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	***	Е
3.	BOD (3 Days at 27°C)	(S 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 (S:3025 (P-39)	0,60	mg/L	10	20	10





- The souths separted solute only to the samples bested, it case sample is not drawn the would apply to the sample as most
- This test report in hill or in part, shall not be reproduced in any court of law without prior written approval of the biblookiny.
   To confirm the authoritidy of this certificate of analysis, please contact us through error at lengther terms in
- Laboratory is not expossible for the authenticity of photosopical test report. The test samples will be notened only for specific period.
- The report ro. with Suffix A-Amended Roport.
- This lest report will not be used for juddedy or advertising or mode purpose without prior witten permission on the laboratory.

   Coring opinions does not imply emposement of the helded sample by the lab. Under no incurredances, the lab accepts any liability caused by the use or mission of the feel mode.











**JHARLI** 





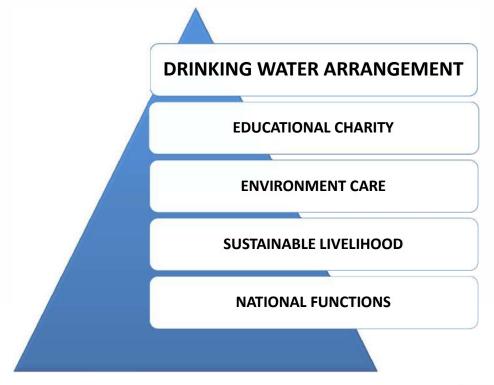
# J K CEMENT WORKS, JHARLI CSR ACITIVITES 2022-23





# 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:





#### Great Place To Work Certified

# 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.



## Great Place To Work Certified

# **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.











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.



Annexure-3

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/	General Examination, Spirometry, Audiometry, Eye with	
			Electrical	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/	General Examination, Spirometry, Audiometry, Eye with	
	h/e	a	Commercial	Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Seri Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, I Digital Chest X-Ray	
13.	Ashish Khulve	40	13002173/	General Examination, Spirometry, Audiometry, Eye with	
			process	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/	General Examination, Spirometry, Audiometry, Eye with	
			Mechanical	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/	General Examination, Spirometry, Audiometry, Eye with	
			process	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/	General Examination, Spirometry, Audiometry, Eye with	
			Mechanical	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/	General Examination, Spirometry, Audiometry, Eye with	
			Logistic	Colour Vision, Blood Sugar ,ECG, CBC, Blood Group, Serum Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Urine Digital Chest X-Ray	
18.	Moanoj Kr	31	3800191/	General Examination, Spirometry, Audiometry, Eye with	
- 1	Verma		Mechanical	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/	General Examination, Spirometry, Audiometry, Eye with	
			Utility	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 8<sup>th</sup> & 9<sup>th</sup> 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.		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, Serun Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Ur 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, Serur Bilirubin (Direct & Indirect) ,S. Creatinine, Lipid Profile, Un Digital Chest X-Ray	
235.		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,	

## **SAFETY HEALTH CARE**

Employee's safety & healthcare at workplace

B-10, Tajpur Road, Badarpur Border, New Delhi – 110044 Mob.: 7982488517, 30 111 E-mail: safetyhealthcare2@yahoo.com, deeptibhatiaa@gmail.com | www.safetyhealthcare.in



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 - 22<sup>nd</sup> 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

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



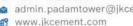
Manufacturing Units at:



Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)

Jharli (Harvana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat





### ENVIRONMENTAL STATEMENT FORM - V

Environmental Statement for the financial year 2021- 22, ending the 31st March' 2022

#### PART-A

. 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)
i. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
i. Production capacity 1. Cement 2. Tile Adhesive	2.0 Million TPA 30 MT/ Day
v. 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

	Process water consum	ption per unit of products	
Name 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

		Consumption of raw material per unit of output				
Name of raw material	Name of products	During the previous financial year (2020-21)	During the current financial year (2021-22			
	-	0.59	0.55			
Clinker		0.09	0.10			
Gypsum	Cement	0.28	0.32			
Flyash %		0.28	0.02			
Pondash %		0.90	0.74			
Silica Sand	Tile Adhesive	0.03	0.24			
Cement	· · · · · · · · · · · · · · · · · · ·	0.03				

# PART-C POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (Ton/Day)	Concentration of pollutants in discharge (mg/Nm3)	Percentage of variation from prescribed standards with reasons
(a) Water	effluent is generated.  Domestic waste water g treated in sewage treatn and horticulture. STP tre	enerated from the office toile nent plant and treated water eated water analysis report i	s attached as Annexure-I
(b) Air	Stack Emission Mo     A his Manito	nitoring Report is attached a ring Report is attached as <b>A</b> monitoring Report is attache	nnexure- II.

## PART-D (As specified under Hazardous & Other Waste Management Rules' 2016)

	Total Quantity		
Hazardous waste	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

	Total Quantity				
Source	During previous financial year (2020-21) (MT/Year)	During current financial year (2021-22) (MT/Year)			
/	NONE	NONE			
(a) From process  (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

Name of solid waste	Total Quantity				
	During previous financial year (2020-21) (MT/Year)	During current financial year (2021-22) (MT/Year)			
M. I. I. Carran	68.25	264.59			
Metal Scrap	6.92	60.43			
Plastic Scrap	0.02	0			
Empty Drums	0	0			
Wooden scrap	0	0			
Cable scrap	0				
Paper Waste	0	0			
Torn PP Bags & other misc. Plastic Waste	0	0			
E-waste (Old computers, printers, circuit boards etc.)	0	0			
	0	0			
Spent Batteries	0	0			
Filter bags scrap	0	0			
Cotton waste/cotton rags	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.

 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.

- Closed clinker storage silo constructed to reduce the fugitive dust emission, with High efficiency Bag filters.
- 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 trippler.
- 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 <sup>st</sup> Quarter	II <sup>nd</sup> Quarter	III <sup>rd</sup> Quarter	IV <sup>th</sup> 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)	РМ (ТРМ)	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)

#### J.K. CEMENT WORKS, JHARLI

Ambient Noise Monitoring in dB(A) 2021-22

Location	Gate	No -1	Gate	No -2	Railway	Line Side	Near Wag	on Tippler
	Day	Night	Day	Night	Day	Night	Day	Night
Apr-21	63.5	47.2	65.1	49.2	60.2	49.7	61.7	47.3
	67.4	55.3	62.3	46.4	67.6	52.5	57.2	45.6
May-21	67.2	53.2	67.3	54.6	72.5	66.8	63.2	54.8
	71.4	65.4	65.1	53.5	70.5	64.5	66.8	56.7
Jun-21	70.1	60.5	68.3	51.4	60.1	50.4	64.2	56.4
	71.3	61.7	61.5	52.2	65.1	52.1	62.3	54.1
Jul-21	69.5	61.3	70.9	52.5	64.3	53.8	64.7	55.1
	70.8	63.4	63.8	51.9	66.9	52.9	69.5	55.1
Aug-21	71.5	62.8	68.4	58.3	68.5	57.8	69.5	57.4
	70.4	65.8	72.8	60.9	69.3	56.8	71.5	66.2
Sep-21	71.6	53.2	70.3	54.1	63.2	52.7	68.5	53.2
	69.6	55.2	62.4	53.7	64.8	51.6	69.6	58.2
Oct-21	66.5	56.2	63.2	52.5	62.1	49.2	64.2	51.0
	65.5	50.2	56.2	46.5	68.0	52.7	61.5	45.2
Nov-21	65.5	56.2	61.2	52.5	64.1	49.2	63.2	51.0
	62.5	50.2	56.2	46.5	67.0	52.7	65.5	45.2
Dec-21	66.4	57.6	65.6	53.1	61.6	56.7	66.2	56.8
	64.1	55.5	62.2	53.8	61.8	56.7	64.6	53.2
Jan-22	64.2	53.7	63.5	52.8	65.9	55.1	64.2	52.6
	65.3	56.2	61.6	54.5	63.8	54.5	65.3	54.4
Feb-22	62.8	56.5	66.7	57.1	66.1	57.8	67.9	56.3
	67.4	60.3	67.5	56.7	65.5	55.3	62.3	55.6
Mar-22	61.9	55.1	65.8	56.7	67.3	58.4	62.8	52.7
	66.2	59.6	68.3	57.6	63.8	54.9	64.7	56.1
Average	67.2	57.2	64.8	53.3	65.4	54.8	65.0	53.8

From

Fire Station Officer, Bahadurgarh (Jhajjar)

To,

M/s JK Cement Works, Village Jharli, Tehsil-Matanhail, Distt. Jhajjar Haryana.

Memo No. 434/FSB

Dated 20.06.18

Subject: Renewal of Fire NOC from fire safety point of view in respect of Industrial Building M/s JK Cement Works, Village-Jharli, Tehsil- Matanhail Distt-Jhajjar, Haryana.

The above said building was inspected by Fire Station Officer Bahadurgarh to check the above building's Fire Fighting arrangement in respect of Industrial building. During inspection, the Fire Fighting arrangements in the above said industrial building were found in working condition as per National Building Code of India, Part IV Revision 2005 & 2016. This No Objection Certificate is issued to firm with the approval Ld. Deputy Commissioner, Jhajjar Memo No. 930/LFA Dated 20/06/2018.

The No. objection Certificate is issued this effect on the following terms and conditions.

- 1. That the present No Objection Certificate shall be valid for a period of Five year from the date of issue & it shall be the responsibility of the owner to obtain renewal of the same.
- 2. That the owner/ occupier shall ensure that the Fire Fighting arrangements should remain in working condition all the times & for any lapses in this regard the owner/occupier shall be responsible for the same.
- 3. That the owner/occupier shall be responsible to deploy trained Fire Fighting staff in the Industries round the clock l.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 D	Floor Detail		nt	Ground Coverage
Block A	G+7	G+7		0 mtrs	1762.904 SQM
Block B	G+2	G+2		mtrs	581.966 SQM
Block C	G+2	G+2		0 mtrs	1101.297 SQM
Block D	G+3		44.450 mtrs		228.653 SQM
Block E (2Nos Block)	GF	GF		mtrs	706.014 SQM
Block F (2Nos Block)	GF	GF		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.
- 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
- 5) Certificate.
  - 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

#### SINGLE USE PLASTIC BAN DISPLAYED AT VARIOUS LOCATIONS

