



JK White Cement Works

A unit of JK Cement Ltd.
CIN : L17229UP1994PLC017199

✉ P.O. GOTAN - 342 902 District - Nagaur (Rajasthan) INDIA
☎ Phone : (01591) 230201-03 (PBX), 230976 (D), Fax : 230206
🌐 www.jkcement.com

GTN/WH/MINES/RO-MOEF/COMP./125/356
To,
Ministry of Environment Forest & Climate Change
Integrated Regional Office, Jaipur
A-209 & 218, "ARANYA BHAWAN"
Jhalana Institutional Area,
Jaipur-302004 (Raj)

Regd. A/D
Date: 15.05.2023

EC Letter No.: J-11015/03/2009-IA-II (M) dated 30.08.2010

Sub.: Six monthly Compliance Report from the period of Oct. 2022 to March.2023 in respect of Dhanappa limestone Mines, Tehsil Merta city, District Nagaur, Rajasthan
Sir,

Please find enclosed herewith the six monthly compliance report from the period of Oct. 2022 to March.2022 of our Dhanappa Limestone mines near village Dhanappa, Tehsil Merta city, District Nagaur in Rajasthan admeasuring 400.00 ha. And M.L. 03/1993.

Thanks

Yours Truly,
For JK White Cement Works
(Unit of JK Cement Ltd)


(Deepak Kalla)
General Manager (Mines)

Enc.: - Monitoring Reports.

357 CC: The Additional Director (S),
Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex,
Lodi Road. New Delhi -110003

Regd. A/D

358 CC: Member Secretary
Rajasthan State Pollution Control Board,
4th Institutional Area, Jhalana Doongari,
Jaipur - 302004

Regd. A/D

Corporate Office

📍 Padam Tower, 19 DDA Community Centre
Okhla, Phase - 1, New Delhi - 110020, India
☎ +011-49220000
✉ admin.padamtower@jkcement.com
🌐 www.jkcement.com

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



Jodhpur Office : 📍 182, Gopi Krishna Vihar, Near Guru Ka Talab, Near Pratap Nagar, Jodhpur-342001 ☎ Phone : (0291) 2432021, 2433072

SIX MONTHLY COMPLIANCE REPORT

Name of the Project: Dhanappa Limestone Mine (ML No. 03/93)

Enc. Clearance Letter No.: J-11015/03/2009-IA-II(M) dated 30.08.2010

Period of Compliance Report: October. 2022 to March. 2023

S. No.	A. SPECIFIC CONDITIONS	COMPLIANCE STATUS
(i)	The project proponent shall obtain Consent to Establish and Consent to Operate from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	The Consent to Establish and Consent to Operate obtained from RSPCB vide letter no. F (Mines)/Nagaur (Merta) /43 (1)/ 2010 -2011/6693-6697 dated 25.01.2011 and F (Mines)/Nagaur (Merta) /2652(1)/ 2017 -2018/4988-4992 dated 20.12.2022 respectively.
(ii)	Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India in Contempt Petition © No. 412/2004 in IA No. 833 in Writ Petition © No. 202 of 1995, as may be applicable to this project.	The area doesn't falls in Aravalli hills range therefore doesn't cover by the order of the Hon'ble Supreme Court dated 08.04.2005 in the contempt petition © 412/2004 in the writ petition 202 of 1995 in the matter of Godavarman vs Union of India, however we are communicating our agreement for final outcome of above said petition, as may be applicable for this project.
(iii)	The environmental clearance is subject to approval of the State Land Use Department, Government of Rajasthan for diversion of agricultural land for non-agricultural use.	Agreed
(iv)	Necessary prior permission from the Competent Authority as may be applicable for use of grazing land for mining purpose shall be obtained.	Mining lease renewal was granted for 20 years from 08/04/1994 to 07/04/2014 and extended up to 07.04.2034 as per the MMDR Amendment ACT 2015. The permission for mining was granted by State Department of Mines & Geology, Govt. of Rajasthan.
(v)	The project proponent shall develop fodder plots in the non-mineralized area in lieu of use of grazing land.	The fodder plots in the non-mineralized area shall be developed in lieu of use of grazing land.
(vi)	The mining operation shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ministry of Environment and Forest and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.	The avg. ultimate working depth of mine will be 25 m bgl whereas the ground water table in the area is more than 80 m bgl in the area during post-monsoon so no ground water intersection will be there due to mining operations.
(vii)	The project proponent shall ensure that no natural watercourse and/or water resources are	Shall be complied with.

	obstructed due to any mining operations. Adequate measures shall be taken for protection of the 1 st order and 2 nd order streams, if any emanating/ passing through the mine lease during the course of mining operation.	
(viii)	The top soil shall temporarily be stored at earmarked sit (s) only & it should not be kept unutilized for long. The top soil shall be used for land reclamation & plantation.	Topsoil availability is very poor. Topsoil available, if any is being utilized by means of spreading on reclaimed (backfilled) area for plantation purposes simultaneously with mining operations.
(ix)	The overburden (OB) generated during the mining operation shall be concurrently backfilled. The existing waste dump shall be liquidated by the end of the 7 th year and thereafter there shall be no external OB dump. The entire excavated area of 156.12 ha, shall be backfilled and reclaimed by plantation. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Lucknow on six monthly basis.	Presently OB/waste is being backfilled in the worked out area for the reclamation & rehabilitation point of view. The phased restoration, reclamation and rehabilitation are being carried out as per MCDR. A total of 50.25 ha area has been backfilled by the end of March, 2023 and is kept continue.
(x)	Catch drains and siltation ponds of the appropriate size shall be constructed for the working pit, temporary soil, OB and mineral dumps to arrest flow of silt and sediment directly into the agricultural fields, the Jojri Nadi and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly. Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the temporary over burden dumps to prevent runoff of water and flow of sediments directly into the agricultural fields, the Jojri Nadi and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	Catch drains and siltation ponds of appropriate size have been constructed to arrest silt and sediment flows from mine pit and temporary over burden dump. The water collected in mine pit is being utilized for watering the mine area, roads, green belt development etc.

(xi)	Dimension of the retaining wall at the toe of the temporary OB dumps and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.	Retaining walls at the toe of the OB dumps has been constructed.
(xii)	Plantation shall be raised in an area of 172.2 ha including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1000 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Presently 53.93 ha area is covered under greenbelt/plantation up to March. 2023. We have planted 3868 nos. of plant saplings covering 3.86 ha area on back filled area & 265 Nos on mine office area in our ML area during the current financial year 2022-23. Plantation shall be raised in an area of 172.2 ha area during the mine life along periphery, along road and on backfilled and dump area.
(xiii)	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the Central pollution Control Board in this regard.	Water spraying arrangement on haul roads, dump, and trucks (loading & unloading) has been provided to control the fugitive dust emission. Regular monitoring for ambient air quality has been carried out; results are well within the stipulated norms.
(xiv)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	We are maintaining Seven no. of rainwater harvesting stations and utilizing rain water collected in mining pits for plantation and spraying on haul roads.
(xv)	The project proponent shall undertake provision of artificial recharge to ground water through rainwater harvesting to the tune of 2.5 to 3.0 ML/year in the area in consultation with the Rajasthan State Ground Water Department.	The project of rainwater harvesting has been completed. We have constructed seven rainwater harvesting stations within lease area and maintaining them in good conditions for recharging the ground water.
(xvi)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year – pre-monsoon (April-May), monsoon (August), post monsoon (November) and winter (January); one in each season)] shall be carried out in consultation with the State Ground Water Board /Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry	<p>We are doing regular monitoring of ground water level in the mines as per guideline. Piezometers are installed and complete monitoring record is maintained.</p> <p>Comply with conditions, ground water level monitoring details are being regularly submitted to the concerned office.</p>

	of Environment and Forest and its Regional Office Lucknow, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	
(xvii)	Appropriate mitigative measures shall be taken to prevent pollution of the Jojri Nadi in consultation with the State Pollution Control Board.	The Nadi Jojri flows at about 1.25 km south of the lease area which is a seasonal one. No impact is envisaged due to mining activities on this said Nadi.
(xviii)	The project proponent shall obtain necessary prior permission of the component authorities for drawl of requisite quantity of water (surface water Ground water, if any) required for the project.	Not applicable. The water requirement for the site is being met from the mine sump water and nearby area.
(xix)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	We have planned and implemented seven nos. of rain water harvesting structures in the lease area.
(xx)	The project proponent shall ensure that the fluoride level in the water to be used for drinking purpose in this area are within prescribed limits by making provision of RO System.	The J.K. White Cement Works Management already has installed RO System in the factory colony for workers, staff. The management also installed RO System in village Gotan for nearby villagers to check fluoride level.
(xxi)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	All the vehicles used for mining operations are on hired basis and we supervise & force them for periodic maintenance & servicing. PUC certified vehicles are being used.
(xxii)	The project proponent shall take specific safeguard measure to control RSPM levels in the area.	Safeguard measures are being taken to control RSPM levels in the area. The RSPM results are within the stipulated norms.
(xxiii)	Blast vibration study shall be carried out. Based on the same, charge per delay should be so adjusted that there is no adverse impact in the surrounding area due to vibration.	Blast Vibration Study is being regularly carried out and no adverse impact of blasting in the surrounding area due to vibration.
(xxiv)	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting operation is being carried out during the daytime only. Controlled blasting is being practiced by using most advance and safe technology

		i.e. Shock Tubes Blasting by competent persons and also as per recommendations made in Blast Vibration Studies Report.
(xxv)	Drills shall either be operated with dust extractors or equipped with water injection system.	Wet drilling operation is being practiced.
(xxvi)	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Not applicable as handling of mineral is being carried out by manual means only. No loading of limestone by mechanized means.
(xxvii)	Sewage treatment plant shall be installed for the colony. ETP shall be provided for the workshop and wastewater generated during the mining operation.	Not applicable, as no effluents are envisaged from mine. The workers come from nearby villages.
(xxviii)	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Pre-placement medical examination and periodical medical examination is being carried out and records are maintained.
(xxix)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to MOEF and its Regional Office located at Lucknow.	Digital Processing of the entire lease area using remote sensing technique is being conducted regularly once in every three years. Latest digital processing has been done during 2020-21 by Mr. Shailendra Kumar Soni (QP), Jodhpur and report has been sent to MOEF and its regional Office.
(xxx)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Not applicable as it is mining project hence no construction activity is involved.
(xxxi)	The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e. PM ₁₀), NO _x in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharge water shall also be monitored [(TDS, DO, pH and Total Suspended Solids (TSS)]. The monitored	Ambient Air Quality-monitoring stations have been set up in mines area. Periodical monitoring is being carried out by our environment Cell and third party monitoring is being also done. All the parameters w. r. t. SPM, RSPM, NO _x , SO ₂ are well within the stipulated norms. Annexure-I.

	data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forest, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	The monitored data have been displayed on a display board at the Mine site. No water is being discharged from the lease area.
(xxxii)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forest 5 years in advance of final closure for approval.	A final mine closure plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forest well before as directed.
	B. General Conditions	
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forest.	No change in mining technology and scope of working shall be made without prior approval of Ministry of Environment & Forests.
(ii)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	No change in the calendar plan including excavation, quantum of mineral limestone and waste is made.
(iii)	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest and wildlife department and effectively implemented.	No endangered to endemic species of flora and fauna found in the study area. However 10 hectares land has been developed for conservation of flora and fauna in the area.
(iv)	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e. PM ₁₀), NO _x monitoring. Location of the stations should be decided based on the meteorological, topographical features and environmentally and meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Ambient Air Quality-monitoring stations have been set up in Core and Buffer zone. Regular monitoring of AAQ is being carried out.
(v)	Data on ambient air quality RSPM (Particulate matter with size less than 10 micron i.e., PM ₁₀), NO _x should be regularly submitted to the Ministry of Environment and Forest including its Regional office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six month.	Data on ambient air quality RSPM (Particulate matter with size less than 10 micron i.e., PM ₁₀), NO _x is attached herewith. Annexure –I

(vi)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Water spraying arrangement on haul roads, unloading of waste trucks has been provided to control the fugitive dust emission. Blasted/ fragmented limestone loading in trucks is by manual means so no dust generation is envisaged.
(vii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	All the equipment's are maintained properly & workers are provided with all necessary PPE. Noise monitoring is being done & results are well within the prescribed norms.
(viii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluent.	Not applicable. There is no generation of industrial waste water from the Dhanappa Limestone Mines.
(ix)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	PPE has been provided to person working in such area & time to time training about safety & awareness is given to all the workers. Occupational health surveillance program of the workers is being conducted periodically. There is no occupational disease observed so far.
(x)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate environmental management cell with suitable qualified personnel has been set-up.
(xi)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow.	The funds earmarked for environmental protection measures kept in a separate account and not diverted for other purpose. Expenditure incurred for the environmental protection measures during the compliance period is Rs. 11.17 lacs.
(xii)	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The mining project in question is an operative mining unit since 1987.
(xiii)	The Regional Office of this Ministry located at Lucknow shall monitor compliance of the	We are extending full cooperation to the officer (s) of the Regional Office by

	stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	furnishing the requisite data/ information/ monitoring reports regularly.
(xiv)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Lucknow, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forest, Lucknow, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	The reports on the status of compliance of stipulated EC conditions including results of monitoring is being sent to concern offices within time frame (Both in hard copies as well as by e-mail) The status of compliance in hard copies is being done.
(xv)	A copy of the 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.	Copy of clearance letter has sent to the concerned Panchayat / Local NGO.
(xvi)	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and the Collector's Office / Tehsildar's Office for 30 days.	Complied with.
(xvii)	The environmental statement for each financial year ending 31 st 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 compliance of EC conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.	The Environmental Statement for financial year April 2021 to 31 st March 2022 has been submitted in Sept. 2022
(xviii)	The project authorities should advertise at least in two local newspapers widely circulated, one	Advertisement of Environmental Clearance published in Rajasthan Patrika &

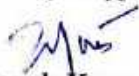
	of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forest at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow	Dainik Bhaskar dated 10 Sept. 2010.
3	The Ministry of other competent authority may alter/ modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Agreed
5	The above conditions will be enforced inter-alia, under the provisions of the water (Prevention & Control of Pollution) Act 1974, the Air (prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Rajasthan and any other Court of Law relating to subject matter.	We are communicating our agreement to fulfill the other statutory requirements under any law/ rules/ notifications if any applicable.
6	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Agreed

Thanking you,

Yours faithfully

For J.K. White Cement Works

(Unit of J.K. Cement Ltd.)



(Deepak Kumawat)

Sr. Manager-Mines



Test Report

Sample Number : VEL/A/01

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051005

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location	: Pit -1 (M.L. No-03/93 Core Zone)
Sample Collected By	: VEL Representative (Mr. Gajendra)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/26/24
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/12/2022 To 30/12/2022
Time of Monitoring	: 10:40 AM to 10:40 AM
Ambient Temperature (°C)	: Min.10°C, Max.28°C
Surrounding Activity	: Human, Vehicle & Plant Activities.
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS: 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours.
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	35.50	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	73.81	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	20.86	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	13.01	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/SIP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m3	400.0
6	#Ozone as (O3)	IS 5182 (P-9)	17.33	µg/m3	180.0
7	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.58	mg/m3	4.0
8	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m3	5.0
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m3	1.0
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m3	6.0
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1.0
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20.0

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

Scan to view Report



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Vardan EnviroLab

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



Test Report

Sample Number : VEL/A/01

Report No. : VEL/A/2301051005

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report



Terms & Conditions



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Test Report

Sample Number : VEL/A/02

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merla,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051006

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location : Pit-2 (M.L. No-03/93 Core Zone)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/25/23
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 11:10 AM to 11:10 AM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	30.32	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	69.41	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	21.56	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.48	µg/m ³	80
5	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.62	mg/m ³	4.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	19.71	µg/m ³	180.0
7	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0

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Test Report

Sample Number : VEL/A/02

Report No. : VEL/A/2301051006

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report



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Test Report

Sample Number : VEL/A/03

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051007

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 06/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location : Pit -3 (M.L. No-03/93 Core Zone)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/24/27
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 11:45 AM to 11:45 AM
Ambient Temperature (°C) : Min. 10°C, Max. 28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	32.24	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	70.52	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	20.25	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	11.51	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	12.19	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.55	mg/m ³	5.0



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Test Report

Sample Number : VEL/A/03

Report No. : VEL/A/2301051007

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Sample Number : VEL/A/04

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051008

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location	: Mines Office (M.L. No-03/93 Core Zone)
Sample Collected By	: VEL Representative (Mr. Gajendra)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/22/29
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/12/2022 To 30/12/2022
Time of Monitoring	: 12:20 PM to 12:20 PM
Ambient Temperature (°C)	: Min. 10°C, Max 28°C
Surrounding Activity	: Human, Vehicle & Plant Activities.
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS- 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	29.41	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	67.48	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	15.06	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	9.86	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	14.27	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.51	mg/m ³	4.0



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TC-6299

Test Report

Sample Number : VEL/A/04

Report No. : VEL/A/2301051008

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End of Report



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Test Report

Sample Number : VEL/A/05

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Meria,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301951009

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location	: Village- Dhannapa Buffer Zone (M.L. No-03/93 , 75/90,25/2006)
Sample Collected By	: VEL Representative (Mr. Gajendra)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/04/G5
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/12/2022 To 30/12/2022
Time of Monitoring	: 12:40 PM to 12:40 PM
Ambient Temperature (°C)	: Min.10°C, Max.28°C
Surrounding Activity	: Human, Vehicle & Plant Activities
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS: 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	28.46	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	63.50	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	17.49	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	10.50	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	20.23	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.54	mg/m ³	4.0

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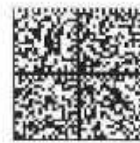
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Test Report

Sample Number : VEL/A/05

Report No. : VEL/A/2301051009

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End of Report



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Test Report

Sample Number : VEL/A/06

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location	: Village- Basni Buffer Zone (M.L. No-03/93 , 75/90,25/2006)
Sample Collected By	: YEL Representative (Mr. Gajendra)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/07
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/12/2022 To 30/12/2022
Time of Monitoring	: 01:20 PM to 01:20 PM
Ambient Temperature (°C)	: Min.10°C, Max.28°C
Surrounding Activity	: Human, Vehicle & Plant Activities
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS: 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	28.65	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	60.23	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	16.55	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.50	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on: 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	21.79	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.56	mg/m ³	4.0



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Test Report

Sample Number : VEL/A/08

Report No. : VEL/A/2301051010

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report



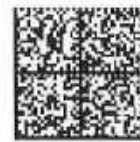
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Test Report

Sample Number : VEL/A/07

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2301051011

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village- Rampur Buffer Zone (M.L. No-03/93 , 75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/05/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 02:35 PM to 02:35 PM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	31.05	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	62.75	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	14.10	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	10.20	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	18.68	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	mg/m ³	4.0

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Test Report

Sample Number : VEL/A/07

Report No. : VEL/A/2301051011

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report



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Test Report

Sample Number : VEL/AJ08

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd, Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan,

Report No. : VEL/A/2301051012

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 08/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village- Pundlu (M.L. No-03/93 , 75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/07/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 03:05 PM to 03:05 PM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Specifications
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	32.61	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	63.98	µg/m ³	100
3	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	14.24	µg/m ³	80
4	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	9.27	µg/m ³	80
5	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.1 Dated on 20/06/2022	BLQ(LOQ-20.0)	µg/m ³	400.0
6	#Ozone as (O ₃)	IS 5182 (P-9)	12.19	µg/m ³	180.0
7	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5.0
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1.0
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6.0
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1.0
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m ³	20.0
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.53	mg/m ³	4.0

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Vardan EnviroLab

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



TC-6299

Test Report

Sample Number : VEL/A/08

Report No. : VEL/A/2301051012

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report



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Test Report

Sample Number : VEL/N/01

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051004

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Pit-1 (M.L. No-03/93) (Core Zone)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/09
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	58.11	44.08	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/02

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051005

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Pit-2 (M.L. No-03/93) (Core Zone)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 08:00 AM to 06:00 AM
Ambient Temperature (°C) : Min. 10°C, Max. 28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	60.78	44.62	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/03

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Meria,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051006

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

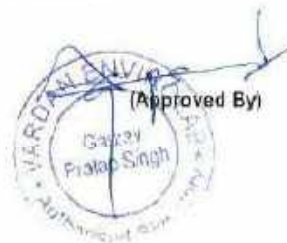
Sample Description : AMBIENT NOISE

General Information

Sampling Location : Pit-3 (M.L. No-03/93) (Core Zone)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9986	62.67	45.78	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/04

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd, Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Meria,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051007

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Mines Office (M.L. No-03/93) (Core Zone)

Sample Collected By : VEL Representative (Mr. Gajendra)

Sampling Equipment used : Sound Level Meter

Instrument Code : VEL/SLM/10

Instrument Calibration Status : Calibrated

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 29/12/2022 To 30/12/2022

Time of Monitoring : 06:00 AM to 06:00 AM

Ambient Temperature (°C) : Min.10°C, Max.28°C

Surrounding Activity : Human, Vehicle & Plant Activities

Scope of Monitoring : Regulatory Requirements

Sampling & Analysis Protocol : CPCB

Sampling Duration : 24.0 Hours

Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	53.38	41.92	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/05

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannappa Limestone Mines
(M.L. No-03/93) Village- Dhannappa, Tehsil- Mertā,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051008

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Village- Dhannappa Buffer Zone. (M.L. No-03/93, 75/90, 25/2006)

Sample Collected By : VEL Representative (Mr. Gajendra)

Sampling Equipment used : Sound Level Meter

Instrument Code : VEL/SLM/12

Instrument Calibration Status : Calibrated

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 29/12/2022 To 30/12/2022

Time of Monitoring : 06:00 AM to 06:00 AM

Ambient Temperature (°C) : Min. 10°C, Max. 28°C

Surrounding Activity : Human, Vehicle & Plant Activities

Scope of Monitoring : Regulatory Requirements

Sampling & Analysis Protocol : CPCB

Sampling Duration : 24.0 Hours

Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9986	52.59	40.96	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/06

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051009

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Village- Basni Buffer Zone (M.L. No-03/93, 75/90, 25/2006)

Sample Collected By : VEL Representative (Mr. Gajendra)

Sampling Equipment used : Sound Level meter

Instrument Code : VEL/SLM11

Instrument Calibration Status : Calibrated

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 29/12/2022 To 30/12/2022

Time of Monitoring : 06:00 AM to 06:00 AM

Ambient Temperature (°C) : Min. 10°C, Max. 28°C

Surrounding Activity : Human, Vehicle & Plant Activities

Scope of Monitoring : Regulatory Requirements

Sampling & Analysis Protocol : CPCB

Sampling Duration : 24.0 Hours

Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	51.76	41.78	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/07

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Village-Ramnagar Buffer Zone (M.L. No-03/93, 75/90, 25/2006)
Sample Collected By : VEL Representative (Mr. Gajendra)
Sampling Equipment used : Sound Level meter
Instrument Code : VEL/SLM/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/12/2022 To 30/12/2022
Time of Monitoring : 08:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.10°C, Max.28°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	53.66	42.89	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Sample Number : VEL/N/08

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merla,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2301051011

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 09/01/2023

Period of Analysis : 05/01/2023-09/01/2023

Receipt Date : 05/01/2023

Sample Description : AMBIENT NOISE

General Information

Sampling Location	: Village- Pundlu (M.L. No-03/93 , 75/90,25/2006)
Sample Collected By	: VEL Representative (Mr. Gajendra)
Sampling Equipment used	: Sound Level Meter
Instrument Code	: VEL/SLM/13
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 29/12/2022 To 30/12/2022
Time of Monitoring	: 06:00 AM to 06:00 AM
Ambient Temperature (°C)	: Min.10°C, Max.28°C
Surrounding Activity	: Human, Vehicle & Plant Activities
Scope of Monitoring	: Regulatory requirements
Sampling & Analysis Protocol	: CPCB
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	I S-9989	51.96	41.77	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/A/01

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091013

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000882F

Sample Description : Ambient Air

General Information

Sampling Location : Pit -1 (M.L. No-03/93 Core Zone)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/03/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/03/2023 To 04/03/2023
Time of Monitoring : 03:30 PM to 03:30 PM
Ambient Temperature (°C) : Min. 15°C, Max 30°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	37.50	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	75.65	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	18.51	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	11.25	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	19.47	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/01

Report No. : VEL/A/2303091013

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.63	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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VEL/E-0371718/PN30602



Test Report

Page No. 1/2

Sample Number : VEL/A/02
Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091014
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 18/03/2023
Period of Analysis : 10/03/2023-15/03/2023
Receipt Date : 09/03/2023
ULR No. : TC629923200000883F

Sample Description : Ambient Air

General Information

Sampling Location : Pit -2 (M.L. No-03/93 Core Zone)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/03/2023 To 04/03/2023
Time of Monitoring : 03:50 PM to 03:50 PM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	33.33	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	72.11	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	19.83	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	10.31	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	17.04	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/02

Report No. : VEL/A/2303091014

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.65	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/A/03
Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091015
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 18/03/2023
Period of Analysis : 10/03/2023-15/03/2023
Receipt Date : 09/03/2023
ULR No. : TC629923200000884F

Sample Description : Ambient Air

General Information

Sampling Location : Pit -3 (M.L. No-03/93 Core Zone)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/05/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/03/2023 To 04/03/2023
Time of Monitoring : 04:10 PM to 04:10 PM
Ambient Temperature (°C) : Min.15°C, Max.30°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	34.02	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	73.62	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	18.51	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	9.38	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	14.60	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/03

Report No. : VEL/A/2303091015

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.58	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

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Test Report

Page No. 1/2

Sample Number : VEL/A/04

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Sample Description : Ambient Air

Report No. : VEL/A/2303091016

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000885F

General Information

Sampling Location	: Mine Office (M.L. No-03/93 Core Zone)
Sample Collected By	: VEL Representative (Mr. Rajesh)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 03/03/2023 To 04/03/2023
Time of Monitoring	: 03:00 PM to 03:00 PM
Ambient Temperature ("C)	: Min.16°C, Max.30°C
Surrounding Activity	: Human, Vehicle & Mines Activities
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS: 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours.
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	32.63	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	70.55	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	18.51	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	8.44	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	16.55	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number: VEL/A/04

Report No. : VEL/A/2303091016

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.55	mg/m3	4

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Test Report

Page No. 1/2

Sample Number : VELJA/05

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VELJA/2303091017

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

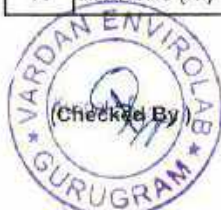
ULR No. : TC629923200000886F

Sample Description : Ambient Air

General Information

Sampling Location	: Village-Dhanappa Buffer Zone (M.L. No-03/93,75/90,25/2006)
Sample Collected By	: VEL Representative (Mr. Rajesh)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/05/04
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 04/03/2023 To 05/03/2023
Time of Monitoring	: 04:20 PM to 04:20 PM
Ambient Temperature (°C)	: Min.15°C, Max.29°C
Surrounding Activity	: Human, Vehicle & Mines Activities
Scope of Monitoring	: Regulatory Requirements
Sampling & Analysis Protocol	: IS: 5182 & CPCB Guidelines
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	30.55	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	65.52	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	19.83	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	8.44	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	18.25	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/05

Report No. : VEL/A/2303091017

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.61	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/A/06
Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091018
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 18/03/2023
Period of Analysis : 10/03/2023-15/03/2023
Receipt Date : 09/03/2023
ULR No. : TC629923200000887F

Sample Description : Ambient Air

General Information

Sampling Location : Basni Village (ML. No.03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 05:00 PM to 05:00 PM
Ambient Temperature (°C) : Min.16°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	31.94	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	63.84	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	15.21	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	7.97	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	20.69	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/06

Report No. : VEL/A/2303091018

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/A/07
Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091019
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 18/03/2023
Period of Analysis : 10/03/2023-15/03/2023
Receipt Date : 09/03/2023
ULR No. : TC629923200000888F

Sample Description : Ambient Air

General Information

Sampling Location : Village-Ramnagar Buffer Zone (M.L. No-03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/03/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 05:20 PM to 05:20 PM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	32.63	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	64.40	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	16.53	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	8.44	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	19.47	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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Test Report

Page No. 2/2

Sample Number : VEL/A/07

Report No. : VEL/A/2303091019

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.64	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/A/08

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/A/2303091020

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC62992320000889F

Sample Description : Ambient Air

General Information

Sampling Location : Village-Pundlu (M.L. No-03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 05:45 PM to 05:45 PM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	35.41	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	66.08	µg/m3	100
3	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	17.85	µg/m3	80
4	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	7.97	µg/m3	80
5	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
6	#Ozone as (O3)	IS 5182 (P-9)	16.55	µg/m3	180
7	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.01)	µg/m3	5
8	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.01)	ng/m3	1
9	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	ng/m3	6
10	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.002)	µg/m3	1
11	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.002)	ng/m3	20



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VEL/A-03/11/18/PN30617



Test Report

Page No. 2/2

Sample Number : VEL/A/08

Report No. : VEL/A/2303091020

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.56	mg/m3	4

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

#-indicates 1 hour monitoring of CO & Ozone

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/01

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091013

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000890F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Pit-1 (M.L.No-03/93) (Core Zone)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/03/2023 To 04/03/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.15°C, Max.30°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	61.26	47.82	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/02

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091014

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000891F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Pit-2 (M.L.No-03/93) (Core Zone)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/03/2023 To 04/03/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Plant Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	62.08	48.16	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/03

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091015

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000892F

Sample Description : AMBIENT NOISE

General Information

Sampling Location

: Pit-3 (M.L.No-03/93) (Core Zone)

Sample Collected By

: VEL Representative (Mr. Rajesh)

Sampling Equipment used

: Sound Level Meter

Instrument Code

: VEL/SLM/05

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 03/03/2023 To 04/03/2023

Time of Monitoring

: 06:00 AM to 06:00 AM

Ambient Temperature (°C)

: Min. 15°C, Max. 30°C

Surrounding Activity

: Human, Vehicle & Plant Activities

Scope of Monitoring

: Regulatory Requirements

Sampling & Analysis Protocol

: CPCB Guidelines & IS:9989

Sampling Duration

: 24.0 Hours

Parameter Required

: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	65.82	49.14	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

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Test Report

Page No. 1/1

Sample Number : VEL/N/04

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091016

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000893F

Sample Description : AMBIENT NOISE

General Information

Sampling Location

: Mine Office (M.L.No-03/93) (Core Zone)

Sample Collected By

: VEL Representative (Mr. Rajesh)

Sampling Equipment used

: Sound Level Meter

Instrument Code

: VEL/SLM/01

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 03/03/2023 To 04/03/2023

Time of Monitoring

: 06:00 AM to 06:00 AM

Ambient Temperature (°C)

: Min.16°C, Max.30°C

Surrounding Activity

: Human, Vehicle & Mines Activities

Scope of Monitoring

: Regulatory Requirements

Sampling & Analysis Protocol

: CPCB Guidelines & IS:9989

Sampling Duration

: 24.0 Hours

Parameter Required

: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	56.77	44.66	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/05

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091017

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000894F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Village- Dhanappa Buffer Zone (M.L. No-03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	53.86	41.72	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

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Test Report

Page No. 1/1

Sample Number : VEL/N/06

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/N/2303091018

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000895F

Sample Description : AMBIENT NOISE

General Information

Sampling Location

: Village- Basni Buffer Zone (M.L.No-03/93,75/90,25/2006)

Sample Collected By

: VEL Representative (Mr. Rajesh)

Sampling Equipment used

: Sound Level Meter

Instrument Code

: VEL/SLM/10

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 04/03/2023 To 05/03/2023

Time of Monitoring

: 06:00 AM to 06:00 AM

Ambient Temperature (°C)

: Min,16°C, Max,29°C

Surrounding Activity

: Human, Vehicle & Mines Activities

Scope of Monitoring

: Regulatory Requirements

Sampling & Analysis Protocol

: CPCB Guidelines & IS:9989

Sampling Duration

: 24.0 Hours.

Parameter Required

: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	50.98	42.66	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/07

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Sample Description : AMBIENT NOISE

Report No. : VEL/N/2303091019

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000896F

General Information

Sampling Location : Village- Ramnagar Buffer Zone (M.L.No-03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 06:00 AM to 06: AM
Ambient Temperature (°C) : Min.15°C, Max.29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	52.11	43.06	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/N/08

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Sample Description : AMBIENT NOISE

Report No. : VEL/N/2303091020

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/03/2023

Period of Analysis : 10/03/2023-15/03/2023

Receipt Date : 09/03/2023

ULR No. : TC629923200000897F

General Information

Sampling Location : Village-Pundlu (M.L. No-03/93,75/90,25/2006)
Sample Collected By : VEL Representative (Mr. Rajesh)
Sampling Equipment used : Sound Level meter
Instrument Code : VEL/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 04/03/2023 To 05/03/2023
Time of Monitoring : 06:00 AM to 08:00 AM
Ambient Temperature (°C) : Min. 15°C, Max 29°C
Surrounding Activity : Human, Vehicle & Mines Activities
Scope of Monitoring : Regulatory Requirements
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
1	Leq	IS-9989	50.89	40.96	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report



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Test Report

Page No. 1/5

Sample Number : VEL/W/01

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/W/2303091033

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 15/03/2023

Period of Analysis : 09/03/2023-14/03/2023

Receipt Date : 09/03/2023

Sampling Date : 05/03/2023

Sampling Quantity : 5.0 Ltrs.+250 ml

Sampling Type : Grab

Sample Description : WATER (Ground Water)

Location : Village- Dhannapa (ML No. 03/93)

Sample Collected By : VEL Representative (Mr. Rajesh)

Environmental Condition : OK

Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629923200000773F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
1	pH (at 25 °C)	IS:3025 (Part-11)	7.62	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Disagreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	480.20	mg/L	200	600
7	Carbonate Alkalinity as CO ₃	IS :3025(P-51)	Nil	mg/L	--	--
8	Calcium (as Ca),Max	IS:3025 (Part-40)	109.97	mg/L	75	200
9	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	402.90	mg/L	200	600
10	Chloride (as Cl),Max	IS:3025 (Part-32)	777.95	mg/L	250	1000
11	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
12	Magnesium (as Mg),Max	APHA 23rd Edition: 3500 Mg B,	49.88	mg/L	30	100
13	Chloramines (as Cl ₂),Max	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	4.0	No relaxation
14	Total Dissolved Solids,Max	IS 3025 (Part-16)	1610.00	mg/L	500	2000
15	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	126.50	mg/L	200	400
16	Fluoride (as F),Max	APHA 4500 F D	0.71	mg/L	1.0	1.5
17	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	40.74	mg/L	45	No relaxation



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Test Report

Page No. 2/5

Sample Number : VEL/W/01

Report No. : VEL/W/2303091033

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
18	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.01	No relaxation
29	Silver,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.1	No relaxation
30	Arsenic as As,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.01	No relaxation
31	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No relaxation
32	Molybdenum as Mo,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.07	No relaxation
33	Nickel as Ni,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.02	No relaxation
34	Barium (as Ba),Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.7	No relaxation



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Test Report

Page No. 3/5

Sample Number : VEL/W/01

Report No. : VEL/W/2303091033

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
35	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
36	Sodium (as Na)	IS: 3025 (P-45)	400.55	mg/L	--	--
37	Potassium (as K)	IS: 3025 (P-45)	4.09	mg/L	--	--
38	Sulphide as H ₂ S	IS:3025 (P-29)	BLQ(LOQ-0.15)	mg/L	0.05	No relaxation
39	2,4,5' Trichloro biphenyl (PCB-31),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
40	2,2',5,5' Tetrachloro biphenyl (PCB-52),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
41	2,2,4,5,5' Pentachloro biphenyl (PCB-101),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
42	2,2',3,4,4'5, Hexachloro biphenyl (PCB-138),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
43	2,2,4,4',5,5' Hexachlorobiphenyl (PCB-153),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
44	2,2',3,4,4'5,5' Heptachloro biphenyl (PCB-180),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0005	No relaxation
45	PAH (Chrysene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
46	PAH (Fluoranthene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
47	PAH (Benzo (b) Fluoranthene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
48	PAH (ACE-Naphtylene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
49	PAH (Benzo (a) Anthracene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
50	PAH (Benzo (a) Pyrene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
51	PAH (Benzo (g,h,i) Perylene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
52	PAH (Benzo (k) Fluoranthene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
53	PAH (ACE-Naphthene),Max	VEL/STP/W-01, Issue No-01, Issue	BLQ(LOQ-0.0	mg/L	0.0001	No relaxation

MANOJ S. KURMI
(Checked By)

(Approved By)
Dr. Deepika Khatun
Authorized Signatory
15/03/23

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Test Report

Page No. 4/5

Sample Number : VEL/W/01

Report No. : VEL/W/2303091033

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
53		date 01/11/2021	0005)			
54	PAH (Anthracene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
55	PAH (Di Benzo (a,h) Anthracene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
56	PAH (Fluorene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
57	PAH (Indeno 1,2,3 (c,d) Pyrene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
58	PAH (Naphthalene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
59	PAH (Phenanthrene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation
60	PAH (Pyrene),Max	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No relaxation

MANOJ S. KURMI
Deputy Technical Manager
15/03/2023
(Checked By)



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Test Report

Page No. 5/5

Sample Number : VEL/W/01

Report No. : VEL/W/2303091033

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
61	Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/10 0ml	-	--
62	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

End of Report


(Checked By)
SATYA DEV
Dy. Technical Manager-Micro


Mohamad Shafi
Technical Manager
15/03/2023
(Approved By)

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Test Report

Page No. 1/1

Sample Number : VEL/W/01

Name & Address of the Party : M/s J.K. White Cement Works
Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan,

Sample Description : WATER (Ground Water)

Location : Village- Dhannapa (ML No. 03/93)

Sample Collected By : VEL Representative (Mr. Rajesh)

Environmental Condition : OK

Sampling and Analysis Protocol : IS, APHA & STP,...

Report No. : VEL/W/2303091033/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 15/03/2023

Period of Analysis : 09/03/2023-14/03/2023

Receipt Date : 09/03/2023

Sampling Date : 05/03/2023

Sampling Quantity : 5.0 Ltrs.+250 ml

Sampling Type : Grab

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable	Permissible
1	Phenolic Compounds (as C ₆ H ₅ OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Ammonia (as total ammonia-NH ₃)	IS 3025 (P-34)	BLQ(LOQ-0.3)	mg/L	-	-

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

End of Report



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Test Report

Page No. 1/4

Sample Number : VEL/SW/01

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/SW/2303091002

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2023

Period of Analysis : 09/03/2023-15/03/2023

Receipt Date : 09/03/2023

Sampling Date : 05/03/2023

Sampling Quantity : 5.0 Ltrs.+250 ml

Sampling Type : Grab

Sample Description : Surface Water

Location : Village- Dhanappa (M.L. No-03/93)

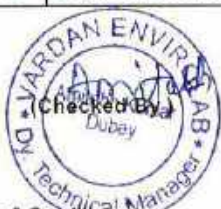
Sample Collected By : VEL Representative (Mr. Rajesh)

Environmental Condition : OK

Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200000774F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.59	--
2	Turbidity	IS:3025 (P-10)	BLQ(LOQ-1.0)	NTU
3	Colour	IS: 3025 (P-4)	BLQ(LOQ-1.0)	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025 (P-21)	39.20	mg/L
6	Chloride as Cl	IS:3025 (P-32)	58.04	mg/L
7	Total Dissolved Solids	IS:3025 (P-16)	194.00	mg/L
8	Sulphate (as SO ₄)	IS:3025 (P-24)	9.14	mg/L
9	Fluoride (as F)	APHA, 4500 F B & D	0.26	mg/L
10	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
11	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.001)	mg/L
12	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
13	Nickel	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
14	Silver	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.002)	mg/L



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Test Report

Page No. 2/4

Sample Number : VEL/SW/01

Report No. : VEL/SW/2303091002

S.No.	Test Parameters	Test Method	Results	Units
16		01/11/2021		
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ-0.0005)	mg/L
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ-0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.73	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.14	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	9.81	mg/L
23	Total Alkalinity as CaCO ₃	IS:3025 (P-23)	56.10	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	3.56	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
27	Barium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
28	Sodium as Na	IS: 3025 (P-45)	27.29	mg/L
29	Potassium as K	IS: 3025 (P-45)	2.02	mg/L
30	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
31	PAH (Chrysene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
32	PAH (Fluoranthene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
33	PAH (Ace-Naphthylene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
34	PAH (Anthracene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
35	PAH (Di Benzo (a,h)anthracene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
36	PAH (Fluorene)	VEL/STP/W-01, Issue No-01, Issue date	BLQ(LOQ-0.00005)	mg/L



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Test Report

Page No. 3/4

Sample Number : VEL/SW/01

Report No. : VEL/SW/2303091002

S.No.	Test Parameters	Test Method	Results	Units
36		01/11/2021		
37	PAH (Indeno 1,2,3 (c,d) pyrene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
38	PAH (Naphthalena)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
39	PAH (Phenanthrene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
40	PAH (Pyrene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
41	PAH (Benzo (a) Anthracene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
42	PAH (Benzo (a) Pyrene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
43	PAH (Benzo (b) fluoranthene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
44	PAH (Benzo (g,h,i) Perylene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
45	PAH (Benzo (k) fluoranthene)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
46	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L
47	Sulphide as H ₂ S	IS:3025(P-29)	BLQ(LOQ-0.02)	mg/L

MANOJ S. KURMI
Deputy Technical Manager

(Checked By)

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Test Report

Page No. 4/4

Sample Number : VEL/SW/01

Report No. : VEL/SW/2303091002

S.No.	Test Parameters	Test Method	Results	Units
48	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
49	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

End of Report

SD 15/03/2023
(Checked By)
DIYA DEV
Dy. Technical Manager-Micro

15/03/2023
(Approved By)
Mohamad Shah
Technical Manager
Authorized Signatory

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Test Report

Page No. 1/1

Sample Number : VEL/SW/01

Name & Address of the Party : M/s J.K. White Cement Works

Unit of JK Cement Ltd. Dhannapa Limestone Mines
(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,
Distt- Nagaur Rajasthan.

Report No. : VEL/SW/2303091002/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2023

Period of Analysis : 09/03/2023-15/03/2023

Receipt Date : 09/03/2023

Sampling Date : 05/03/2023

Sampling Quantity : 5.0 Ltrs.+250 ml

Sampling Type : Grab

Sample Description : Surface Water

Location : Village- Dhanappa (M.L. No-03/93)

Sample Collected By : VEL Representative (Mr. Rajesh)

Environmental Condition : OK

Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Performed	
2	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ-0.15)	mg/L
3	Nitrato as NO3	IS:3025 (P - 34)	4.01	mg/L
4	Molybdenum	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.025	mg/L
5	Carbonate Alkalinity (as CO3)	IS 3025 (P-51)	NIL	mg/L
6	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ-0.1)	mg/L
7	Total Ammonia as NH3	IS: 3025 (P-34), Titrimetric Method	BLQ(LOQ-0.3)	mg/L
8	Chloramines as C12	IS:3025 (P-26)	BLQ(LOQ-0.15)	mg/L

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

End of Report



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