0/c

GTN/WH/MINES/RO-MOEF/COMP./125 2438 To.

Regd. A/D Date: 15.11.2022

To,
Ministry of Environment Forest & Climate Change
Integrated Regional Office, Jaipur
A-209 & 218," ARANYA BHAWAN"
Jhalana Institutional Area,
Jaipur-302004 (Raj)

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

Sub.: Six monthly Compliance Report from the period of April 2022 to Sept.2022 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 April. 2022 to Sept.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.

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

CC: Member Secretary
Rajasthan State Pollution Control Board,

4th Institutional Area, Jhalana Doongari,
Jaipur - 302004

Regd. A/D

Regd. A/D

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: April. 2022 to September. 2022

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 -2018/9170-9174 dated 31.01.2018 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 hydrogeological 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 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	Shall be complied with.

	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.
(1X)	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 49.66 ha area has been backfilled by the end of Sept. 2022 and is kept continue.
	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.	Catch drains and siltation ponds of
(x)	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.	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	Presently 53.93 ha area is covered under greenbelt/plantation up to September.

	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.	2022. We have planted 3868 nos. of plant saplings covering 3.86 ha 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 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.	We are doing regular monitoring of ground water level in the mines as per guideline. Piezometers are installed and complete monitoring record is maintained. Comply with conditions, ground water level monitoring details are being regularly submitted to the concerned office.
(xvii)	Appropriate mitigative measures shall be taken to prevent pollution of the Jojri Nadi in	The Nadi Jojri flows at about 1.25 km south of the lease area which is a seasonal

	consultation with the State Pollution Control Board.	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 be 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 area being taken to control RSPM levels in the area. The RSPM results area 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	Not applicable as handling of mineral is being carried out by manual means only. No loading of limestone by mechanized means.

	efficient dust control arrangements. These should be properly maintained and operated.	
(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 2020-21by 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), NOx 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 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.	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, NOx, SO ₂ are well within the stipulated norms. Annexure-I. 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	A final mine closure plan along with details of Corpus Fund shall be submitted

	Ministry of Environment & Forest 5 years in advance of final closure for approval.	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), NOx 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), NOx 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), NOx 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. 14.20 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 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.	We are extending full cooperation to the officer (s) of the Regional Office by 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	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.

	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.	
(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 the 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 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	Advertisement of Environmental Clearance published in Rajasthan Patrika & 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	Agreed

	provisions of the Environment (Protection) Act, 1986.	
5	The above conditions will be enforced interalia, 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



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



Test Report

Sample Number:

Name & Address of the Party:

VEL/JK/A/01

M/s JK White Cement Works, Gotan

(unit of JK Cement LTD)Dhanappa Lime Stone Mines(M.L. No. -03/93)

Village Dhanappa, Tehsil- Merta

Dist.Nagaur(Rajasthan)

Report No.:

VEL/A/2207020001

Format No.:

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

Receipt Date:

Period of Analysis:

Party Reference No.:

96/07/2022 02/07/2022-06/07/2022

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling Time of Sampling

Ambient Temperature (°C) Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

: Pit -1 (M.L. No. 03/93) (Core Zone)

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/04/07

: Calibrated

: 26°33'32"

: 73°46'18"

: Clear sky

: 29/06/2022 to 30/06/2022

: 17:00 to 17:00 Hrs. : Min. 32°C, Max. 43 °C

: Human, Vehicular & Mining Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: As Per Work Order

S. No.	Parameter	Protocol Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	SOP No. VEL/SOP/01, Section No. SP 63	33.83	μg/m³	60
2.	Particulate Matter (PM 10)	IS 5182 (P 23), Gravimetric Method	75.11	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	19.08	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	11.83	μg/m³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.52	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m ³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9),Colorimetric Method	7.92	μg/m ³	180
П	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/ m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report







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

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/02

Name & Address of the Party:

M/s JK White Cement Works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone

Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020002

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

Period of Analysis:

06/07/2022 02/07/2022-06/07/2022

Receipt Date:

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling

Time of Sampling

Ambient Temperature (*C)

Surrounding Activity

Scope of Monitoring
Sampling & Analysis Protocol

Sampling Duration

Parameter Required

: Pit-2 (M.L. No-03/93) (Core Zone)

; VEL Team

: RDS &FPS

: VEL/RDS/FPS/07/10

: Calibrated

: 26°33'37"

73°46'9"

Clear sky 29/06/2022 to 30/06/2022

17:20 to 17:20 Hrs.

Min. 32°C, Max. 43 °C

: Human, Vehicular & Mining Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines : 24 brs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	SOP No. VEL/SOP/01, Section No. SP 63	30,71	μg/m³	60
2.	Particulate Matter (PM ₁₀)	1S 5182 (P 23), Gravimetric Method	72.50	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	16.74	μg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	10.67	μg/m³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.52	mg/m ³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9,	Benzo(a)pyrene,	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9), Colorimetric Method	9.98	μg/m³	180
11,	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/ m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m³	20

Note: * BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report







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



Test Report

Sample Number:

VEL/JK/A/03

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa Lime

Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020003

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23 Dated: 03/06/2022

Report Date:

06/07/2022

Period of Analysis:

02/07/2022-06/07/2022

Receipt Date: 02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Name & Address of the Party:

Sample collected by Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling Time of Sampling

Ambient Temperature (°C)

Surrounding Activity Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

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

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/03/09

: Calibrated

: 26°33'52"

: 73°46'05"

: Clear sky

: 29/06/2022 to 30/06/2022 17:36 to 17:36 Hrs.

: Min. 32°C, Max. 43 °C

: Human, Vehicular & Mining Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

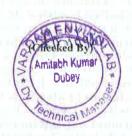
: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1, 11111	Particulate Matter (PM _{2.5})	SOP No. VEL/SOP/01, Section No. SP 63	32.76	μg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	75.48	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	20,22	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	12.34	μg/m³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.72	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene,	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	1S 5182 (P-9),Colorimetric Method	11.70	μg/m³	180
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

***End of Report**







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

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/04

Name & Address of the Party:

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa Lime

Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist. Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020004

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

06/07/2022

02/07/2022

Period of Analysis:

02/07/2022-06/07/2022

Sample Description :

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling

Time of Sampling

Ambient Temperature (*C)

Surrounding Activity Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Mines Office (Ml. No. 03/93) (Core Zone)

Receipt Date:

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/09/01

: Calibrated

: 26°33'53"

: 73°45'42"

: Clear sky

: 29/06/2022 to 30/06/2022

: 17:45 to 17:45 Hrs.

: Min. 32°C, Max. 43 °C

: Human, Vehicular & Mining Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1,	Particulate Matter (PM25)	SOP No. VEL/SOP/01, Section No. SP 63	28.88	μg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	69.30	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	15.16	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	8,93	μg/m³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.49	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	$\mu g/m^3$	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene)	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9),Colorimetric Method	7.57	μg/m³	180
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/ m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report









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



Test Report

Sample Number:

VEL/JK/A/05

Name & Address of the Party:

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa Lime

Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020005

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

6/07/2022

Period of Analysis: Receipt Date: 02/07/2022-06/07/2022

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used Instrument Code

Instrument Code

Instrument Calibration Status

Latitude Longitud<mark>e</mark>

Meteorological condition during monitoring

Date of Sampling
Time of Sampling
Ambient Temperature (°C)
Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration
Parameter Required

Village- Dhanappa (Buffer zone Ml. No. 03/93,

75/90,25/2006)

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/12/27

: Calibrated

: 26°33'51"

: 73°44'50"

: Clear sky

: 28/06/2022 to 29/06/2022

: 11:30 to 11:30 Hrs.

: Min. 31°C, Max. 42.5°C

: Human Vehicular & Other Activities

: Regulatory Requirement : IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	SOP No. VEL/SOP/01, Section No. SP 63	30.47	μg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	69,00	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	1S 5182 (P 6), Jacob & Hochheiser	13,08	μg/m³	80
4:	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	9.32	μg/m³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.48	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	1S: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	data basa
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9), Colorimetric Method	7.23	μg/m³	180
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/ m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report







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



Test Report

Sample Number:

VEL/IK/A/06

Name & Address of the Party:

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa Lime

Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020006

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

06/07/2022

Period of Analysis:

02/07/2022-06/07/2022

Receipt Date:

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling

Time of Sampling Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required

Village Basni (Buffer zone Ml. No. 03/93, 75/90,25/2006)

: VEL Team

RDS &FPS

VEL/RDS/FPS/08/11

26°36'31"

73°48'37"

: Clear sky

: 28/06/2022 to 29/06/2022

: 11:00 to 11:00 Hrs.

Min. 31°C, Max. 42.5 °C

Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol.	Result	Unit	NAAQS* Limit
i.,	Particulate Matter (PM ₂₅)	SOP No. VEL/SOP/01, Section No. SP 63	29.37	μg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	68.36	μg/m³	100
3	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	16.21	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	9.80	μg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.49	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1,0)	μg/m³	05
9.	Benzo(a)pyrene	1\$: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10,	Ozone (O ₃)	1S 5182 (P-9),Colorimetric Method	9.29	μg/m³	180
11,	Arsenic as (As)	IS 5182 (P-22)	BLQ (LQQ 1.0)	ng/m³	6
12.	Nickel as (Ni)	lS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m ³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification



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

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/07

Name & Address of the Party:

M/s JK White Cement Works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone

Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020007

Format No.:

7.8 F-03

Party Reference No.: GTN/N

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

06/07/2022

Period of Analysis:

02/07/2022-06/07/2022

Receipt Date:

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling
Time of Sampling

Ambient Temperature (°C) Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Village Ramnagar (Buffer zone Ml. No. 03/93,

75/90,25/2006)

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/04/07

Calibrated

: 26°36'42"

: 73°45'20"

73.43.20

: Clear sky

: 28/06/2022 to 28/06/2022

10:20 to 10:20 Hrs.

: Min. 31°C, Max. 42.5 °C : Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: As Per Work Order

: 24 hrs.

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM25)	SOP No. VEL/SOP/01, Section No. SP 63	35.24	μg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	70.20	μg/m³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	14.11	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	8.91	μg/m³	80
5,	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.48	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9),Colorimetric Method	8.95	μg/m ³	180
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/ m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report









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



Test Report

Sample Number:

VELJIK/A/08

Name & Address of the Party:

M/s JK White Cement Works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone

Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur

(Rajasthan)

Report No.:

VEL/A/2207020008

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Report Date:

06/07/2022

Period of Analysis:

02/07/2022-06/07/2022

Receipt Date:

02/07/2022

Sample Description:

Ambient Air Quality Monitoring

General Information:-

Sampling Location

Sample collected by Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling
Time of Sampling

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring Sampling & Analysis Protocol

Sampling Duration

Parameter Required

Village Pundlu (Buffer zone Ml. No. 03/93,

75/90,25/2006)

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/32/28

Calibrated

: 26°32'57"

: 73°48'41"

, /3 40 41

: Clear sky

: 28/06/2022 to 29/06/2022

: 09:30 to 09:30 Hrs.

: Min. 31°C, Max. 42.5 °C

: Human, Vehicular & Other Activities

: Regulatory Requirement

: 1S-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
l _a	Particulate Matter (PM ₂₅)	SOP No. VEL/SOP/01, Section No. SP 63	32.91	µg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	68.00	μg/m³	100
3,	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	14.84	μg/m³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	8.33	μg/m³	80
5,	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0,50	mg/m ³	4
6,	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	BLQ (LOQ 2.0)	μg/m³	400
7.	Lead (Pb)	1S: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	11
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	05
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	01
10.	Ozone (O ₃)	IS 5182 (P-9), Colorimetric Method	8.26	μg/m³	180
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/m³	6
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/m³	20

Note:* BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report









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



Test Report

Sample Number:

VEL/JK/AN/08

Name & Address of the Party:

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa

Lime Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta

Dist.Nagaur (Rajasthan)

Regulatory Requirement

Sample Description:

Ambient Noise Level Monitoring

Scope of Monitoring:

Protocol Used: Instrument Used:

IS 9989: IS 9876

SLM

Report No.:

VEL /N/2207020001

Format No.:

Party Reference No.:

7.8 F-03 GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Reporting Date:

05/07/2022

Réceipt Date:

02/07/2022

Sampling Duration:

24 Hrs.

Sample Collected by:

VEL Team

Instrument Calibration Status:

Calibrated

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity Parameter Required

: Pit-1(ML, No. 03/93)(Core Zone)

: VEL/SLM/03

Clear sky

: 29/06/2022 to 30/06/2022

: 06:00 AM to 06:00AM

: Mln. 31°C, Max. 44 °C

: Human & Vehicular Activities

: As per Work Order

	ENGLES IN COLUMN TO SERVICE		Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	56.75	44.79

Category of Zones		Leq in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM. 2.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding

End of Report









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



Test Report

Sample Number:

Name & Address of the

Party:

Sample Description:

Scope of Monitoring:

Protocol Used: Instrument Used: VEL/JK/AN/07

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa Lime Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur (Rajasthan)

Ambient Noise Level Monitoring

Regulatory Requirement IS 9989: IS 9876

SLM

Report No.:

VEL /N/2207020002

Format No.:

7.8 F-03

Party Reference No.:

Reporting Date:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022

Receipt Date: **Sampling Duration:**

Sample Collected by:

Instrument Calibration Status:

VEL Team

24 Hrs.

02/07/2022

Calibrated

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

. Pit -2 (ML, No. 03/93)(Core Zone)

: VEL/SLM/04

: Clear sky

: 29/06/2022 to 30/06/2022

: 106:00 AM to 06:00AM

: Min. 31°C, Max. 44 °C

: Human & Vehicular Activities

: As per Work Order

	STEWN SERVICE STREET, CONTROL OF	Can Marchan Disklept no Wall	Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	57.75	43.81

Category of Zones		Leq in dB (A)
The state of the s	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle born, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report









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



Test Report

Sample Number:

Name & Address of the

Party:

VEL/JK/AN/06

M/s JK White Cement Works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.

Nagaur (Rajasthan)

Sample Description:

Ambient Noise Level Monitoring Regulatory Requirement

Scope of Monitoring:

Protocol Used:

IS 9989: IS 9876

Instrument Used:

SLM

Report No.:

VEL /N/2207020003

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022

Reporting Date:

Receipt Date:

02/07/2022

24 Hrs.

Sampling Duration:

Sample Collected by:

Instrument Calibration

VEL Team Calibrated

Status:

General Information:-

Sampling Location

Instrument Code Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

; Pit -3 (ML. No. 03/93)(Core Zone)

: VEL/SLM/05

: Clear sky

: 29/06/2022 to 30/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 44 °C

: Human & Vehicular Activities

: As per Work Order

ANNERS	or Cinerio Established English	Salvas de Callactation	Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	58.64	45.87

Category of Zones	and the state of t	Leg in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report









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



Test Report

Sample Number:

Name & Address of the

Party:

VEL/JK/AN/05

M/s JK White Cement Works, Gotan (unit of [K Cement LTD) Dhanappa Lime

Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.

Nagaur (Rajasthan)

Sample Description:

Ambient Noise Level Monitoring

Regulatory Requirement

Scope of Monitoring:

Protocol Used:

Instrument Used:

IS 9989: IS 9876

SLM

Report No.:

VEL /N/2207020004

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Reporting Date:

05/07/2022 02/07/2022

Receipt Date: Sampling Duration:

24 Hrs.

Sample Collected by:

Instrument Calibration

VEL Team Calibrated

Status:

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

. Mines Office (ML. No.03/93) (Core Zone)

: VEL/SLM/06

: Clear sky

: 29/06/2022 to 30/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 44 °C

: Human & Vehicular Activities

: As per Work Order

Sr. No.	Contractive and the second	CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	Test Re	
	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	50.80	40.92

Category of Zones		.eq in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report









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



Test Report

Sample Number:

VEL/JK/AN/04

Name & Address of the Party: M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa

Lime Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta

Dist.Nagaur (Rajasthan)

Regulatory Requirement

Sample Description: Scope of Monitoring: **Ambient Noise Level Monitoring**

Protocol Used:

IS 9989: IS 9876

Instrument Used:

SLM

Report No.:

VEL /N/2207020005

Format No.:

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Reporting Date:

05/07/2022

Receipt Date:

02/07/2022

Sampling Duration:

24 Hrs.

Sample Collected by:

VEL Team

Instrument Calibration

Calibrated

Status:

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

Dhanappa Village (Buffer Zone ML

: No.03/93,75/90,25/2006)

: VEL/SLM/03

: Clear sky

. 28/06/2022 to 29/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

SCHOOL NEWS	THE ENGLISHED WATER	HIVE COLUMN TO STATE OF THE COLUMN TWO IS NOT THE COLUMN TWO IS NO	Test Re	sult dB(A)
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1,	Leq	1S:9989, By Calculation	52.78	40.73

Category of Zones		Leg in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

***End of Report









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



Test Report

Sample Number:

VEL/IK/AN/03

Name & Address of the Party M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa

> Lime Stone Mines (M.L. No. -03/93) Village Dhanappa ,Tehsil- Merta

Dist.Nagaur (Rajasthan)

Sample Description:

Ambient Noise Level Monitoring

Scope of Monitoring:

Regulatory Requirement

Protocol Used:

IS 9989: IS 9876

Instrument Used:

SLM

Report No.:

VEL /N/2207020006

Format No.:

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Reporting Date:

05/07/2022

Receipt Date:

02/07/2022

Sampling Duration:

24 Hrs.

Sample Collected by:

VEL Team Calibrated

Instrument Calibration Status:

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

Basni Village (Buffer Zone ML.

: No.03/93,75/90,25/2006)

: VEL/SLM/04

: Clear sky

: 28/06/2022 to 29/06/2022

06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

			Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	51.20	40.07

Category of Zones		Leg in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

***End of Report**









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



Test Report

Sample Number:

Name & Address of the

Party:

VEL/JK/AN/02

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa

Lime Stone Mines (M.L. No. -03/93)

Village Dhanappa ,Tehsil- Merta Dist.Nagaur (Rajasthan)

Sample Description:

Ambient Noise Level Monitoring Regulatory Requirement

Scope of Monitoring:

IS 9989: IS 9876

Protocol Used: Instrument Used:

SLM

Report No.:

VEL /N/2207020007

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

05/07/2022

Reporting Date: Receipt Date:

02/07/2022

Sampling Duration:

24 Hrs.

Sample Collected by:

VEL Team

Instrument Calibration Status:

Calibrated

General Information:

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C) Surrounding Activity

Parameter Required

Ramnagar Village (Buffer Zone ML.

: No.03/93,75/90,25/2006)

: VEL/SLM/05

: Clear sky

; 28/06/2022 to 29/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

or and make the		and the little of the little o	Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	50.51	40.17

Category of Zones	Leq in dB (A)		
	Day	Night	
Industrial	75	70	
Commercia)	65	55	
Residential	55	45	
Silence Zone	50	40	

Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker
and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the correspondir standards shall apply

End of Report









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

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/AN/01

Name & Address of the Party:

M/s JK White Cement Works, Gotan (unit of JK Cement LTD) Dhanappa

Lime Stone Mines (M.L. No. -03/93) Village Dhanappa ,Tehsil- Merta

Dist.Nagaur (Rajasthan)

Sample Description:

Ambient Noise Level Monitoring

Scope of Monitoring: Protocol Used: Regulatory Requirement

Instrument Used:

IS 9989: IS 9876

SLM

Report No.:

VEL /N/2207020008

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Reporting Date:

05/07/2022

Receipt Date:

02/07/2022

Sampling Duration:

24 Hrs.

Sample Collected by:

VEL Team

Instrument Calibration

Calibrated

Status:

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring
Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

Pandlu Village (Buffer Zone ML.

No.03/93,75/90,25/2006)

: VEL/SLM/06

: Clear sky

: 28/06/2022 to 29/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

	Mary Mary States NEW	STATE OF STA	Test Result dB(A)	
Sr. No.	Test Parameter	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	52.48	41.97

Category of Zones		Leq in dB (A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

 Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker an bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report









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



Test Report

Sample Number:

VEL/JK/W/07

Name & Address of Party:

M/s JK White Cement works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone

Mines (M.L. No. -03/93) Village Dhanappa ,Tehsil-

Merta Dist.Nagaur (Rajasthan)

Sample Description:

Surface Water

Sampling Location:

Village-Dhanappa (Pit Water Ml.No.03/93)

Sample Collected by

VEL Team

Sampling & Analysis

APHA 23rd Edition 2017 & IS 3025

Protocol:

Report No.:

VEL/W/2207020002

Format No.:

7.8 F 03

Party Reference No.:

GTN/WH/PUR/37/022/2022-

23 Dated 03/06/2022

Reporting Date: Period of Analysis:

05/07/2022

Receipt Date:

02/07/2022 to 05/07/2022 02/07/2022

Sampling Date: Sampling Type: 28/06/2022

Sample Quantity:

Grab 2.0 Ltr.

Preservation:

Refrigerated

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	
1,	pH (at 25°C)	APHA 4500H+ B Electrometric Method	7.96	hla ksa rt ina	
2.	Total Dissolved Solids	APHA 2540 C Gravimetric Method	174.0	mg/L	
3.	Alkalinity as CaCO ₃	APHA 2320 B Titration Method	42.2	mg/L	
4,	Total Hardness as CaCO ₃	APHA 2340 C EDTA Titrimetric Method	31.68	mg/L	
5.	Nitrate as NO ₃	IS 3025 (Part -34), Chromotropic Method	9.21	mg/L	
6.	Chloride as Cl	APHA 4500 Cl B Argentometric Method	54.69	mg/L	
7.:	Sulphate as SO ₄	APHA 4500 E Turbidimetric Method	17.22	mg/L	
8.	Calcium as Ca	APHA 3500 Ca B EDTA Titrimetric Method	10.32	mg/L	
9.	Magnesium as Mg	APHA 3500 Mg B Calculation Method	1.44	mg/L	
10.	Fluoride as F	APHA 4500 F D SPADNS Method	0.24	mg/L	
11,	Boron as B	APHA 4500 C Carmine Method	BLQ(LOQ 0.01)	mg/L	
12.	Iron as Fe	APHA 3500 Fe B 1,10 Phenanthroline Method	0.06	mg/L	
13.	Arsenic as As	APHA 3114 B Manual Hydride Generation	BLQ(LOQ 0.005)	mg/L	
14.	Mercury as Hg	APHA 3112 B Cold Vapor AAS Method	BLQ(LOQ 0.0005)	mg/L	
15.	Lead as Pb	APHA 3111B Air Acetylene Method	BLQ(LOQ 0.002)	mg/L	
16.	Cadmium as Cd	APHA 3111B Air Acetylene Methiod	BLQ(LOQ 0.002)	mg/L	
17.	Nickel as Ni	APHA 3111 B Direct Air- Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	
18.	Copper as Cu	APHA 3111 B,Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	
19.	Selenium as Se	APHA 3114 B Manual Hydride Generation	BLQ(LOQ 0.001)	mg/L	
20.	Zinc as Zn	APHA 3111B Air Acetylene Method	BLQ(LOQ 0.01)	mg/L	
21.	Turbidity	APHA 2130 B Nephelometric Method	BLQ(LOQ 1.0)	NTU	
22.	Aluminium as Al	APHA 3111 D Direct Nitrous Oxide-Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	





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



Test Report

Sampl	le No.: VEL/JK/W/07	SURFACE LINE OF LINE STRATEGICAL VOCALITY		Re	port No.: VEL/	W/2207020002	
WITTEN				melilini	Limits of IS	:10500 -2012	
S. No.	Parameter	Test-Method	Result	Unit	Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source	
23,	Manganese as Mn	APHA 3111B Direct Air Acetylene Flame Method	BLQ(LOQ 0.01)	mg/L	0.1	0.3	
24.	Residual Free Chlorine	APHA 3500 Cl B Iodometric Method	BLQ(LOQ 0.15)	mg/L	0.2	1	
25.	Total Coliform	IS 15185:2016	Absent	Per 100ml	Shall not be dete	ectable in 100 ml	
26.	E. Coli	IS 15185;2016	Absent	Per 100ml	Sar	mple	
27.	Colour	APHA 2120 B Visual Comparison Method	BLQ(LOQ 1.0)	Hazen	5	15	
28.	Odour	APHA 2150 B Threshold Odour Method	Agreeable		Agreeable	Agreeable	
29.	Taste	APHA 2160 B Flavor Threshold Test Method	Agreeable	**	Agreeable	Agreeable	
30.	Anionic Detergents as MBAS	Annex K of IS 13428, IS 3025 (P-68)	BLQ(LOQ 0.05)	mg/L	0.2	1.0	
31.	Phenolic Compounds	APHA 5530 C Chloroform Extraction Method	BLQ(LOQ 0,0004)	mg/L	0.001	0.002	
32,	Chromium as Cr	APHA 3111B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.05	No Relaxation	
33.	Silver (as Ag)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.1	No Relaxation	
34.	Mineral Oil	APHA 5520-C Partition Infra-Red	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation	
35.	Barium as (Ba)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.01)	mg/L	0.7	No Relaxation	
36.	Molydenum as (Mo)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.07	No Relaxation	
37.	Carbonate as CO3	APHA 2320 By Calculation Method	BLQ(LOQ 2.5)	mg/L	im lueu ot	Virginii	
38.	Polychlorinated biphenyls(PCB)	Annex M of IS 13428	BLQ(LOQ 0.00005)	mg/L	0.0005	No Relaxation	
39.	Polynuclear aromatic Hydrocarbon (PAH)	АРНА 6440	BLQ(LOQ 0.00005)	mg/L	0.0001	No Relaxation	
40.	Chloramines as Cl ₂	1\$ 3025 (P-26)	BLQ(LOQ 0. 15)	mg/L	4	No Relaxation	
41.	Sulphide	APHA 4500 S2- F lodometric Method	BLQ(LOQ 0.02)	mg/L	200	400	
42.	Ammonia (as NH ₃)	IS 3025 (Part-34) Titrimetric Method	BLQ(LOQ 0.3)	mg/L	0.5	No Relaxation	
43,	Sodium	APHA 3500 Na B Flame Photometric Method	21.4	mg/L	NA	NA	
44.	Potassium	APHA 3500 K Flame Photometric Method	1.08	mg/L	NA	NA	

Note:- *BLQ-Below Limit of Quantification, **DL- Limit of Quantification.

End of Report









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



Test Report

Sample Number:

VEL/JK/W/06

Name & Address of Party:

M/s JK White Cement works, Gotan

(unit of JK Cement LTD) Dhanappa Lime Stone

Mines (M.L. No. -03/93) Village Dhanappa ,Tehsil-

Merta Dist.Nagaur (Rajasthan)

Sample Description:

Sampling Location:

Ground Water

Sample Collected by

Sampling & Analysis

Protocol:

Village-Dhanappa (Tubewell Mt.No.03/93)

VEL Team

APHA 23rd Edition 2017 & IS 3025

Report No.:

VEL/W/2207020001

Format No.: 7.8 F 03

Party Reference No.: GTN/WH/PUR/37/022/2022-

23 Dated 03/06/2022

Reporting Date:

Period of Analysis:

02/07/2022 to 05/07/2022

Receipt Date:

Sampling Date:

Grab Sampling Type: Sample Quantity:

Preservation:

2.0 Ltr.

05/07/2022

02/07/2022 28/06/2022

Refrigerated

TEST RESULTS

				a ale	Limits of IS	:10500 -2012
S. No.	Parameter	Test-Method	Result	Unit	Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25°C)	APHA 4500H+ B Electrometric Method	7.53	J 1 8 77 3	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	APHA 2540 C Gravimetric Method	1686.0	mg/L	500	2000
3.	Alkalinity as CaCO ₃	APHA 2320 B Titration Method	350.26	mg/L	200	600
4.	Total Hardness as CaCO ₃	APHA 2340 C EDTA Titrimetric Method	447.48	mg/L	200	600
5.	Nitrate as NO ₃	IS 3025 (Part -34), Chromotropic Method	30.49	mg/L	45	No Relaxation
6.	Chloride as Cl	APHA 4500 Cl B Argentometric Method	759.09	mg/L	250	1000
7.	Sulphate as SO ₄	APHA 4500 E Turbidimetric Method	116.86	mg/L	200	400
8.	Calcium as Ca	APHA 3500 Ca B EDTA Titrimetric Method	115.86	mg/L	75	200
9.	Magnesium as Mg	APHA 3500 Mg B Calculation Method	38.49	mg/L	30	100
10.	Fluoride as F	APHA 4500 F D SPADNS Method	0.63	mg/L	1.0	1.5
11.	Boron as B	APHA 4500 C Carmine Method	BLQ(LOQ 0.01)	mg/L	0.5	2.4
12.	Iron as Fe	APHA 3500 Fe B 1,10 Phenanthroline Method	0.23	mg/L	1.0	No Relaxation
13.	Arsenic as As	APHA 3114 B Manual Hydride Generation	BLQ(LOQ 0.005)	mg/L	0.01	No Relaxation
14.	Mercury as Hg	APHA 3112 B Cold Vapor AAS Method	BLQ(LOQ 0.0005)	mg/L	0.001	No Relaxation
15.	Lead as Pb	APHA 3111B Air Acetylene Method	BLQ(LOQ 0.002)	mg/L	0.01	No Relaxation
16.	Cadmium as Cd	APHA 3111B Air Acetylene Methiod	BLQ(LOQ 0.002)	mg/L	0.003	No Relaxation
17.	Nickel as Ni	APHA 3111 B Direct Air- Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.02	No Relaxation
18.	Copper as Cu	APHA 3111 B,Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.05	1.5
19.	Selenium as Se	APHA 3114 B Manual Hydride Generation	BLQ(LOQ 0.001)	mg/L	0.01	No Relaxation
20.	Zinc as Zn	APHA 3111B Air Acetylene Method	BLQ(LOQ 0.01)	mg/L	5	15
21.	Turbidity	APHA 2130 B Nephelometric Method	BLQ(LOQ 1.0)	NTU	1	5
22.	Aluminium as Al	APHA 3111 D Direct Nitrous Oxide-Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.03	0.2









Test Report

Sampl	le No.: VEL/JK/W/06	Which are Fundament in property what special	portal Parein II	Re	port No.: VEL/	W/2207020001	
	TOTAL BANGE OF THE SAME	Tanaday Junior 1967 Filler, a record such et est emissión son de missión est en en en esta est est en en entre				Limits of IS:10500 -2012	
S. No.	Parameter	Test-Method	Result	Unit	Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source	
23.	Manganese as Mn	APHA 3111B Direct Air Acetylene Flame Method	BLQ(LOQ 0.01)	mg/L	0.1	0.3	
24.	Residual Free Chlorine	APHA 3500 Cl B lodometric Method	BLQ(LOQ 0.15)	mg/L	0.2	1	
25.	Total Coliform	IS 15185:2016	Absent	Per 100ml	Shall not be dete	ectable in 100 ml	
26.	E. Coli	IS 15185:2016	Absent	Per 100ml	Sar	nple	
27.	Colour	APHA 2120 B Visual Comparison Method	BLQ(LOQ 1.0)	Hazen	5	15	
28.	Odour	APHA 2150 B Threshold Odour Method	Agreeable	**	Agreeable	Agreeable	
29.	Taste	APHA 2160 B Flavor Threshold Test Method	Agreeable		Agreeable	Agreeable	
30.	Anionic Detergents as MBAS	Annex K of IS 13428, IS 3025 (P-68)	BLQ(LOQ 0.05)	mg/L	0.2	1.0	
31.	Phenolic Compounds	APHA 5530 C Chloroform Extraction Method	BLQ(LOQ 0.0004)	mg/L	0.001	0.002	
32.	Chromium as Cr	APHA 3111B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.05	No Relaxation	
33.	Silver (as Ag)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.1	No Relaxation	
34.	Mineral Oil	APHA 5520-C Partition Infra-Red	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation	
35.	Barium as (Ba)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.01)	mg/L	0.7	No Relaxation	
36.	Molydenum as (Mo)	APHA 3111 B Direct Air Acetylene Flame Method	BLQ(LOQ 0.002)	mg/L	0.07	No Relaxation	
37.	Carbonate as CO3	APHA 2320 By Calculation Method	BLQ(LOQ 2.5)	mg/L	1.0	Landen I'm	
38.	Polychlorinated biphenyls(PCB)	Annex M of IS 13428	BLQ(LOQ 0.00005)	mg/L	0.0005	No Relaxation	
39.	Polynuclear aromatic Hydrocarbon (PAH)	АРНА 6440	BLQ(LOQ 0.00005)	mg/L	0.0001	No Relaxation	
40.	Chloramines as Cl ₂	IS 3025 (P-26)	BLQ(LOQ 0, 15)	mg/L	4	No Relaxation	
41.	Sulphide	APHA 4500 S2- F Iodometric Method	BLQ(LOQ 0.02)	mg/L	200	400	
42.	Ammonia (as NH ₃)	IS 3025 (Part-34) Titrimetric Method	BLQ(LOQ 0.3)	mg/L	0.5	No Relaxation	
43.	Sodium	APHA 3500 Na B Flame Photometric Method	401.02	mg/L	NA	NA	
44.	Potassium	APHA 3500 K Flame Photometric Method	3.69	mg/L	NA	NA	

Note:- *BLQ-Below Limit of Quantification, **DL- Limit of Quantification.

End of Report









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





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/2210031005-BY MAIL

Format No

· 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 07/10/2022

Period of Analysis

: 03/10/2022-07/10/2022

Receipt Date

: 03/10/2022

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/04

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

Time of Monitoring

23/09/2022 To 24/09/2022

Regulatory Requirement

03:30 PM to 03:00 PM

Ambient Temperature (°C)

Min.27°C, Max.36°C

Surrounding Activity Scope of Monitoring

Human & Vehicular

Sampling & Analysis Protocol

IS: 5182

Sampling Duration

24.0 Hours

Parameter Required

As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	70.28	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	31.60	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	18.93	μg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	10.15	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	μg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ-20.0	μg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	15.89	μg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0

Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardan.co.in, bd@vardan.co.in



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





Test Report

Sample Number: VEL/A/01

Report No.

: VEL/A/2210031005-BY MAIL

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0
_	TIP O	***** []	,		

End of Report





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





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- Merta,

Distt- Nagaur Rajasthan.

Report No.

: VEL/A/2210031006-BY MAIL

Format No

· 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 07/10/2022

. 03/10/2022

Period of Analysis Receipt Date

: 03/10/2022-07/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required : Pit -2 (M.L. No-03/93 Core Zone

VEL Representative (Mr. Rajesh)

RDS/FPS

VEL/RDS/FPS/03

Calibrated

Clear Sky

: 23/09/2022 To 24/09/2022 : 03:20 PM to 03:20 PM

Min.27°C, Max.37°C

Human & Vehicular Activites

Regulatory Requiment

IS: 5182

24.0 Hours

: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	67.05	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	27.44	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	19.63	μg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	11.67	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	μg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ-20.0	μg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	17.00	μg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0 N ENV/0

Pb. 6124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardan.co.in, bd@vardan.co.in



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





Test Report

Sample Number: VEL/A/02

Report No.

: VEL/A/2210031006-BY MAIL

Parameters	Test Method	Results	Units	Limit as per CPCB
		5.0)		
Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0
	Benzo (alpha) Pyrine-Particulate	Benzo (alpha) Pyrine-Particulate IS:5182 (P-12):2004	5.0) Benzo (alpha) Pyrine-Particulate IS:5182 (P-12):2004 *BLQ(**LOQ -	5.0) Benzo (alpha) Pyrine-Particulate IS:5182 (P-12):2004 *BLQ(**LOQ - ng/m³

End of Report







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





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/2210031007-BY MAIL

Format No

· 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 07/10/2022

Period of Analysis

: 03/10/2022-07/10/2022

Receipt Date

: 03/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol Sampling Duration

Parameter Required

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

: VEL Representative (Mr. Rajesh)

: RDS/FPS

: VEL/RDS/01 & FPS/03

Calibrated

: Clear Sky

: 23/09/2022 To 24/09/2022

02:30 PM to 02:30 PM

: Min.27°C, Max.35°C

: Human & Vehicular Activites Regulatory Requirement

: IS:5182

: 24.0

: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	72.12	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	29.94	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	21.03	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	10.65	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	μg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ-20.0	μg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	10.03	µg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0

V E L / E - 0 3 / I / T R / P N 9 8 2 6



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





Test Report

Sample Number:

VEL/A/03

Report No.

: VEL/A/2210031007-BY MAIL

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0

End of Report





VEL/E-03/I/TR/PN9837

Page No. 2/2



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





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/2210031008-BY MAIL

Format No

· 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 07/10/2022

- 03/10/2022

Receipt Date

Period of Analysis : 03/10/2022-07/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C) **Surrounding Activity**

Scope of Monitoring

Sampling & Analysis Protocol **Sampling Duration**

Parameter Required

Mines Office

VEL Representative (Mr. Rajesh)

RDS/FPS

VEL/RDS/03 & FPS/04

Calibrated

Clear Sky

23/09/2022 To 24/09/2022

02:50 PM to 02:50 PM

Min.26°C, Max.36°C

Human & Vehicular Activites

Regulatory Requirement

IS: 5182 24.0 Hours

: As per work order

S.No.	Parameters	Test Method	Test Method Results		Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	72.23	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	33.68	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	13.32	μg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	6.09	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	μg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ-20.0	μg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	17.28	μg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	29 NO VIA



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





Test Report

Sample Number :

VEL/A/04

Report No.

: VEL/A/2210031008-BY MAIL

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
12	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ 0.5)	ng/m³	1.0

End of Report







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





Test Report

Sample Number: VEL/A/05

Report No.

: VEL/A/2210031009-BY MAIL

Name & Address of the Party

: M/s J.K White Cement Works

Format No

· 7.8 F-03

Unit of JK Cement Ltd. Dhannapa Limestone Mines

Party Reference No : By Mail

(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,

Reporting Date

Receipt Date

: 07/10/2022

. 03/10/2022

Distt- Nagaur Rajasthan.

Period of Analysis : 03/10/2022-07/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

: Vilage- Dhanappa Buffer Zone (M.L. No-03/93 and ML-25/2006

Sample Collected By

VEL Representative (Mr. Rajesh)

Sampling Equipment used

RDS/FPS

Instrument Code

VEL/RDS/02 & FPS/04

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 22/09/2022 To 23/09/2022

Time of Monitoring

: 03:00 PM to 03:00 PM

Ambient Temperature (°C)

Min.26°C, Max.28°C

Surrounding Activity

: Human & Vehicular Activites Regulatory Requirement

Scope of Monitoring Sampling & Analysis Protocol

: IS:5182

Sampling Duration

: 24.0 Hours

Parameter Required

: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	64.52	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	27.44	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	15.42	μg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	11.67	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	μg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ - 20.0)	µg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	18.39	µg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	µg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0



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





Test Report

Sample Number: VEL/A/05

Report No.

: VEL/A/2210031009-BY MAIL

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S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0

End of Report









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





Test Report

Sample Number:

: M/s J.K White Cement Works

Report No. Format No

: VEL/A/2210031010-BY MAIL

Name & Address of the Party

Unit of JK Cement Ltd. Dhannapa Limestone Mines

Party Reference No : By Mail

: 7.8 F-03

(M.L. No-03/93) Village- Dhannapa, Tehsil- Merta,

Reporting Date

: 07/10/2022

Distt- Nagaur Rajasthan.

Period of Analysis

: 03/10/2022-07/10/2022

Sample Description

: AMBIENT AIR

Receipt Date

. 03/10/2022

General Information

Sampling Location

: Vilage-Basni Buffer Zone (M.L. No-03/93 and ML-25/2006

Sample Collected By

VEL Representative (Mr. Rajesh)

Sampling Equipment used

RDS/FPS

Instrument Code

VEL/RDS/01 & FPS/07

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

22/09/2022 To 23/09/2022

Time of Monitoring

02:30 PM to 02:30 PM

Ambient Temperature (°C)

: Min.26°C, Max.28°C

Surrounding Activity Scope of Monitoring

Human & Vehicular Activites Regulatory Requirement

Sampling & Analysis Protocol

: IS:5182

Sampling Duration

: 24.0 Hours

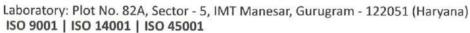
Parameter Required

: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	62.70	µg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	26.19	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	14.72	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	10.15	µg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	µg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ - 20.0)	μg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	19.23	μg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0

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Test Report

Sample Number:

VEL/A/06

Report No.

: VEL/A/2210031010-BY MAIL

Results	Units	Limit as per CPCB
		Or CB
5.0)		
*BLQ(**LOQ - 0.5)	ng/m³	1.0
	*BLQ(**LOQ -	*BLQ(**LOQ - ng/m³

End of Report





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





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/2210031011-BY MAIL

Format No

· 7.8 F-03

Party Reference No

: By Mail

Reporting Date

: 07/10/2022

Period of Analysis

: 03/10/2022-07/10/2022

Receipt Date

. 03/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Sampling & Analysis Protocol

Surrounding Activity

Scope of Monitoring

Sampling Duration

Parameter Required

: Vilage-Ramnagar Buffer Zone (M.L. No-03/93

: VEL Representative (Mr. Rajesh)

: RDS/FPS

: VEL/RDS/04 & FPS/03

. VLL/ND3/04 & F

CalibratedClear Sky

: 22/09/2022 To 23/09/2022

: 03:00 PM to 03:00 PM

: Min.26°C, Max.36°C

.20 0, Max.00 0

Human & Vehicular ActivitiesRegulatory Requirement

: IS:5182

: 24.0 Hours

: As per work order

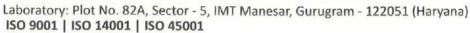
S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	65.38	μg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	32.43	μg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	12.62	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	9.13	μg/m³	80
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	µg/m³	5.0
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ - 20.0)	µg/m³	400.0
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	19.51	µg/m³	180.0
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	μg/m³	1.0
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0
11	Nickel (as Ni)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	20.0 FNI

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Test Report

Sample Number: VEL/A/07 Report No. : VEL/A/2210031011-BY MAIL

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
12	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0

End of Report





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





Test Report

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/2210031012-BY MAIL

Format No

Receipt Date

· 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 07/10/2022

: 03/10/2022

Period of Analysis : 03/10/2022-07/10/2022

Sample Description

: AMBIENT AIR

General Information

Sampling Location

: Vilage-Pundlu (M.L. No-03/93 and ML-25/2006

Sample Collected By

VEL Representative (Mr. Rajesh)

Sampling Equipment used

RDS/FPS

Instrument Code

VEL/Combo/42

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring Time of Monitoring 22/09/2022 To 23/09/2022 03:30 PM to 03:30 PM

Ambient Temperature (°C)

: Min.26°C, Max.36°C

Surrounding Activity

Human & Vehicular Activites

Scope of Monitoring Sampling & Analysis Protocol

Regulatory Requirement : IS: 5182

Sampling Duration

: 24.0 Hours

Parameter Required

As per work order

S.No.	Parameters	rameters Test Method		Units	Limit as per CPCB	
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	61.21	µg/m³	100	
2	Particulate Matter (as PM - 2.5)	IS:5182 (P-24) : 2019	28.27	μg/m³	60	
3	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	13.32	μg/m³	80	
4	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	8.12	μg/m³	80	
5	#Carbon Monoxide (as CO)	IS:5182 (P-10) Gas Chromatography, RA:2003 / NDIR Method	*BLQ(**LOQ - 0.5)	mg/m³	4.0	
6	Benzene (as C6H6)	IS:5182 (P-11) :2004	*BLQ(**LOQ - 0.5)	µg/m³	5.0	
7	Ammonia (as NH3)	IS:5182 (P-25) :2018	*BLQ(**LOQ - 20.0)	μg/m³	400.0	
8	#Ozone (as O3)	IS:5182 (P-9), Colorimetric Method, RA:2003	11.42	μg/m³	180.0	
9	Lead (as Pb)	IS:5182 (P-22),Air Acetylene Method, RA:2009	*BLQ(**LOQ - 0.1)	µg/m³	1.0	
10	Arsenic (as As)	VEL/ENV/STP/110,Issue No01,Issue Date-01/11/2021:2021	*BLQ(**LOQ - 0.1)	ng/m³	6.0	
11	MICKELLAS NH)	IS:5182 (P-26) : 2020	*BLQ(**LOQ -	ng/m³	SAN REON VIA	

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Test Report

Sample Number :

VEL/A/08

Report No.

: VEL/A/2210031012-BY MAIL

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
11			5.0)		
12	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004	*BLQ(**LOQ - 0.5)	ng/m³	1.0

End of Report

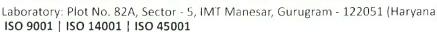




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Test Report

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/2210031005

Format No

7.8 F-03

Party Reference No : By Mail

Reporting Date

: 06/10/2022

Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

. 03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required Pit -1 (M.L. No-03/93) (Core Zone)

VEL Representative (Mr. Rajesh)

Sound Level Meter

VEL/SLM/01

Calibrated

Clear Sky

23/09/2022 To 24/09/2022

06:00 AM to 06:00 AM

Min.25°C, Max.34°C

Human & Vehicular Activites

Regulatory Requirement

CPCB

24.0 Hours

: As work order

S.No.	Parameters	rameters Test Method		Test Results		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
1	Leq	I S-9989	54.28	42.65	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)	ate .	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



SUBODH SHEKHAWAT Dy. Technical Manager



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





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/2210031006

Format No

: 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 06/10/2022

Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

. 03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling Duration

Sampling & Analysis Protocol

Parameter Required

Pit -2 (M.L. No-03/93) (Core Zone)

VEL Representative (Mr. Rajesh)

Sound Level Meter

VEL/SLM/02

Calibrated

Clear Sky

23/09/2022 To 24/09/2022

06:00 AM to 06:00 AM

Min.25°C, Max.34°C

Human & Vehicular Activites

Regulatory Requirement

CPCB

24.0 Hours

: As work order

S.No.	Parameters	rameters Test Method		Test Results		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
1	Leq	I S-9989	56.28	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)	

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

End of Report





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





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- Merta,

Distt- Nagaur Rajasthan.

Report No.

VEL/N/2210031007

Format No

: 7.8 F-03

Party Reference No : By Mail

Reporting Date

: 06/10/2022

Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required Pit -3 (M.L. No-03/93) (Core Zone)

VEL Representative (Mr. Rajesh)

Sound Level Meter

VEL/SLM/03

Calibrated

Clear Sky

23/09/2022 To 24/09/2022

06:00 AM to 06:00 AM

Min.25°C, Max.34°C

Human & Vehicular Activites

Regulatory Requirement

CPCB

24.0 Hours

: As work order

S.No.	Parameters	Test Method	Test I	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	60.25	47.32	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	**	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	uz:	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

(Checked By) SUBODH SHEKHAWAT Dy. Fechnical Manager



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TÜNYA BYYA DI KADAR HADI KAYATIN KADI BADI BATANDA DA BADIN BADIN DA DARIKA TAYDI K



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





Test Report

Sample Number: VEL/N/04

Sample Description

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.

: AMBIENT NOISE

Report No.

: VEL/N/2210031008

Format No

7.8 F-03

Party Reference No : By Mail

Reporting Date

: 06/10/2022

Period of Analysis Receipt Date

: 03/10/2022-06/10/2022 : 03/10/2022

General Information

Sampling Location Sample Collected By Mines Office (M.L.No.03/93) (Core Zone)

VEL Representative (Mr. Rajesh)

Sampling Equipment used

Sound Level Meter

Instrument Code

VEL/SLM/04

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring Time of Monitoring 23/09/2022 To 24/09/2022

Ambient Temperature (°C)

06:00 AM to 06:00 AM

Surrounding Activity

Min.25°C, Max.34°C Human & Vehicular Activites

Scope of Monitoring

Regulatory Requirement

Sampling & Analysis Protocol Sampling Duration

CPCB 24.0 Hours

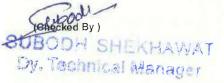
Parameter Required

As 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	51.36	42.65	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	на	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)	me.	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

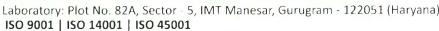
End of Report





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Test Report

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/2210031009

Format No

: 7.8 F-03 Party Reference No ; By Mail

: 06/10/2022

Reporting Date

Period of Analysis Receipt Date

: 03/10/2022-06/10/2022 03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Vilage- Dhanappa Buffer Zone (M.L. No-03/93 ,75/90 , 25/2006)

Sample Collected By

VEL Representative (Mr. Rajesh) Sound Level Meter

Sampling Equipment used Instrument Code

VEL/SLM/03

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

Time of Monitoring

25/09/2022 To 26/09/2022

06:00 AM to 06:00 AM

Ambient Temperature (°C)

Min.24°C, Max.34°C

Surrounding Activity

Human & Vehicular Activites

Scope of Monitoring

Regulatory Requirement CPCB

Sampling & Analysis Protocol Sampling Duration

24.0 Hours

Parameter Required

: As work order

S.No.	Parameters	rameters 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	1 S-9989	54.25	43.68	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	(deat)	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	<u>ú</u>	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)	-94%	50	40	dB (A)

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

End of Report

SUBODH SHEKHAWAT Dy. Technical Manager

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Test Report

Sample Number: Name & Address of the Party

VEL/N/06

: 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/2210031010

Format No

7.8 F-03

Party Reference No : By Mail : 06/10/2022

Reporting Date Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

: 03/10/2022

Sample Description

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required

: AMBIENT NOISE

Vilage- Basni Buffer Zone (M.L. No-03/93 a75/90 ,25/2006)

VEL Representative (Mr. Rajesh)

Sound Level Meter

VEL/SLM/01

Calibrated

Clear Sky

25/09/2022 To 26/09/2022

06:00 AM to 06:00 AM

Min.24°C, Max.34°C

Human & Vehicular Activites

Regulatory Requirement

CPCB

24.0 Hours

: As 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	49.25	38.42	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	**	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	100	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	216	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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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana ISO 9001 | ISO 14001 | ISO 45001





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/2210031011

Format No

: 7.8 F-03 Party Reference No : By Mail

Reporting Date

: 06/10/2022

Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

: 03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Sample Collected By

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol Sampling Duration Parameter Required

Vilage-Ramnagar Buffer Zone (M.L. No-03/93 ,75/90 ML-25/2006

VEL Representative (Mr. Rajesh)

Sound Level Meter

VEL/SLM/02 Calibrated

Clear Sky

25/09/2022 To 26/09/2022 06:00 AM to 06:00 AM

Min.24°C, Max 34°C

Human & Vehicular Activity

Regulatory Requirement CPCB

24.0 Hours

As work order

S.No.	Parameters	Test Method	Test I	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	52.65	43.72	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)		75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	223	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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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) ISO 9001 | ISO 14001 | ISO 45001





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- Merta,

Distt- Nagaur Rajasthan.

Report No.

: VEL/N/2210031012

Format No

: 7.8 F-03

Party Reference No : By Mail : 06/10/2022

Reporting Date Period of Analysis

: 03/10/2022-06/10/2022

Receipt Date

. 03/10/2022

Sample Description

: AMBIENT NOISE

General Information

Sampling Location

Vilage-Pundlu Buffer Zone (M.L. No-03/93, 75/90 ML-25/2006

Sample Collected By

VEL Representative (Mr. Rajesh) Sound Level Meter

Sampling Equipment used

VEL/SLM/04

Instrument Code

Calibrated

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Clear Sky

25/09/2022 To 26/09/2022

Time of Monitoring

06:00 AM to 06:00 AM

Ambient Temperature (°C) **Surrounding Activity**

Min.24°C, Max.34°C

Scope of Monitoring

Human & Vehicular Activities Regulatory Requirement

Sampling & Analysis Protocol

CPCB

Sampling Duration

24.0 Hours

Parameter Required

As work order

S.No.	Parameters	Test Method	Test I	Test Results		
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
1	Leq	I S-9989	50.68	42.35	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)	1 8 11 11 11 11	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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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) ISO 9001 | ISO 14001 | ISO 45001





Test Report

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.

: WATER (Ground Water)

: Village- Dhanappa Tubewell ML-03/93

Report No.

: VEL/W/2210031008

Format No

: 7.8 F 03

Reporting Date

Party Reference No : By Mail

reporting Date

: 12/10/2022

Period of Analysis

: 03/10/2022-10/10/2022

Receipt Date

: 03/10/2022

Sampling Date

: 23/09/2022

Sampling Quantity

: 5.0 Ltrs.+250 ml

Sampling Type

: Grab

Sample Collected by

Sample Description

Location

: VEL Representative (Mr. Rajesh) : OK

Environmental Condition Sampling and Analysis

Protocol

: APHA & IS

S.No.	Parameter	Test Mathod	Result	Unit		ment as per 500-2012
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	APHA 4500 H+B Electrometric	7.60		6.5-8.5	No relaxation
2	Colour	Method:2017 APHA 2120 B Visual Comparison Method:2017	BLQ(LOQ-1.0)	Hazen	5	15
3	Turbidity	APHA 2130 B Nephelometric Method:2017	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	APHA 2150 B Threshold Odour Method:2017	Agreeable	-	Agreeable	Agreeable
5	Taste	APHA 2160 B Flavor Threshold Test Method:2017	Agreeable		Agreeable	Agreeable
6	Total Hardness (as CaCO3)	APHA 2340 C EDTA Titrimetric Method:2017	470.80	mg/l	200	600
7	Calcium (as Ca)	APHA 3500 Ca B EDTA Titrimetric Method:2017	111.50	mg/l	75	200
8	Total Alkalinity (as CaCO3)	APHA 2320 B Titration Method:2017	379.25	mg/l	200	600
9	Chloride (as CI)	APHA 4500 CI B Argentometric Method:2017	772.02	mg/l	250	1000
10	Residual Free Chlorine (RFC)	APHA 3500 CI B lodometric Method:2017	BLQ(LOQ-0.1 5)	mg/l	0.2	migan 1 miles
11	Magnesium (as Mg)	APHA 3500 Mg B Calculation Method:2017	46.47	mg/l	30	100
12	Chloraminesc (as Cl2)	APHA, 4500 CL-G	BLQ(LOQ-0.1 5)	mg/l	4.0	No relaxation
13	Total Dissolved Solids	APHA 2540 C Gravimetric Method:2017	1560.00	mg/l	500	2000
14	Sulphate (as SO4)	APHA 4500 E Turbidimetric Method:2017	121.65	mg/l	200	400

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Test Report

Sample Number:

VEL/W/01

Report No.

: VEL/W/2210031008

			Report No.			
S.No.	Parameter	Test Mathod	Result	Unit		ment as per 500-2012
					Acceptable Limit	Permissible Limits
15	Fluoride (as F)	APHA 4500 F D SPADNS Method:2017	0.66	mg/l	1.0	1.5
16	Nitrate (as NO3)	IS:3025 (P-34), Chromotropic Method	33.22	mg/l	45	No relaxation
17	Iron (as Fe)	APHA, 4500 H	BLQ (LOQ-0.01)	mg/l	1.0	No relaxation
18	Aluminium (as Al)	APHA, 3111 D	0.003	mg/l	0.03	0.2
19	Boron (as B)	APHA, 4500 B	BLQ (LOQ-0.01)	mg/l	0.5	2.4
20	Phenolic Compounds (as C6H5OH)	APHA 5530 C Chloroform Extraction Method:2017	BLQ(LOQ-0.0 004)	mg/l	0.001	0.002
21	Anionic Detergents (as MBAS)	APHA 5540 C MBAS Method	BLQ(LOQ-0.0 5)	mg/l	0.2	1.0
22	Zinc (as Zn)	APHA, 3111 B	BLQ (LOQ-0.01)	mg/l	5	15
23	Total Chromium (as Cr)	APHA, 3111 B	BLQ (LOQ-0.002)	mg/l	0.05	No relaxation
24	Copper (as Cu)	APHA, 3111 B	BLQ (LOQ-0.002)	mg/l	0.05	1.5
25	Manganese (as Mn)	APHA, 3111 B	BLQ (LOQ-0.01)	mg/l	0.1	0.3
26	Cadmium (as Cd)	APHA, 3111 B	BLQ (LOQ-0.002)	mg/l	0.003	No relaxation
27	Lead (as Pb)	APHA, 3111 B	BLQ (LOQ-0.002)	mg/l	0.01	No relaxation
28	Selenium (as Se)	APHA, 3114 B	BLQ (LOQ-0.001)	mg/l	0.01	No relaxation
29	Total Arsenic (as As)	APHA, 3114 B	BLQ (LOQ-0.005)	mg/l	0.01	No relaxation
30	Mercury (as Hg)	APHA, 3112 B	BLQ (LOQ-0.0005)	mg/l	0.001	No relaxation
31	Mineral Oil	APHA, 5220-C Partition Infra Red	BLQ (LOQ-0.1)	mg/l	1.0	No relaxation
32	Sodium (as Na)	APHA 3500 Na B Flame Photometric Method:2017	405.8795	mg/l	hoine als t	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
33	Potassium (as K)	APHA 3500 K B Flame Photometric Method:2017	3.50	mg/l		
34	Sulphide (as H2S)	APHA 4500 S2-F lodometric Method:2017	BLQ(LOQ-0.0 2)	mg/l	0.05	No relaxation
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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:

VEL/W/01

Report No.

: VEL/W/2210031008

S.No.	Parameter	Test Mathod	Result	Unit		ment as per 9500-2012
					Acceptable Limit	Permissible Limits
35	Molybdenum	АРНА, 3111 В	BLQ(LOQ-0.0 05)	mg/l	0.07	No relaxation
36	Nickel (as Ni)	APHA, 3111 B	BLQ(LOQ-0.0 02)	mg/l	0.02	No relaxation
37	Barium (as Ba)	APHA 3111 B Air Acetylene Flame Method:2017	BLQ(LOQ-0.0 1)	mg/l	0.7	No relaxation
38	Carbonates	APHA 2320 B By Calculation Method:2017	Nii			
39	Silver (as Ag)	APHA, 3111 B	BLQ(LOQ - 0.002)	mg/l	0.1	No relaxation
40	2,4,4' Trixhloeo Biphwnyl (PCB-28)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
41	2,4,5' Trichloro biphenyl (PCB- 31)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
42	2,2' ,5,5' Tetrachloro biphenyl (PCB- 52)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
43	2,2,4,5,5' Pentachloro biphenyl (PCB- 101)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
44	2,2',3,4,4'5, Hexachloro biphenyl (PCB-138)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
45	2,2,4,4',5,5' Hexachlorobiphenyl (PCB- 153)	АРНА, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
46	2,2',3,4,4'5,5' Heptachloro biphenyl (PCB- 180)	APHA, 6630	BLQ (LOQ-0.00005	mg/l	0.0005	No relaxation
47	PAH (Chrysene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
48	PAH (Fluoranthene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
49	PAH (Benzo (b) Flouranthene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) ISO 9001 | ISO 14001 | ISO 45001





Test Report

Sample Number: VEL/W/01 Report No. : VEL/W/2210031008

and the same		9212 TRANSPORT IN	report no.			
S.No.	Parameter	Test Mathod	Result	Unit	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
50	PAH (ACE-Naphtylene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
51	PAH (Benzo (a) Anthracene)	APHA 6440:2017	BLQ (LOQ-0.00005)	mg/l	0.0001	No relaxation
52	PAH (Benzo (a) Pyrene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
53	PAH (Benzo (g.h.i) Perylene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
54	PAH (Benzo (k) Fluoranthene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
55	PAH (ACE-Naphthene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
56	PAH (Anthracene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
57	PAH (Di Benzo (a,h) Anthracene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
58	PAH (Fluorene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
59	PAH (Indeno 1,2,3 (c,d) Pyrene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
60	PAH (Naphthalene)	APHA 6440:2017	BLQ (LOQ-0.00001) BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
61	PAH (Phenanthrene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation
62	PAH (Pyrene)	APHA 6440:2017	BLQ (LOQ-0.00005	mg/l	0.0001	No relaxation



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

Test Report

Sample Number:

VEL/W/01

chnical Ma

Report No.

: VEL/W/2210031008

S.No.	Parameter Test Mathod Result	Unit	1000000	ment as per 500-2012		
		- 1			Acceptable Limit	Permissible Limits
62)			

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

End of Report



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



Test Report

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.

: WATER (Ground Water)

: Village- Dhanappa Tubewell ML-03/93

Report No.

: VEL/W/2210031008/N

Format No

7.8 F 03

Party Reference No : By Mail

Reporting Date Period of Analysis : 12/10/2022

Receipt Date

: 03/10/2022-10/10/2022

: 03/10/2022

Sampling Date

: 23/09/2022

Sampling Quantity

: 5.0 Ltrs.+250 ml

Sampling Type

: Grab

Sample Collected by

Sample Description

Location

: VEL Representative (Mr. Rajesh) **Environmental Condition**

Sampling and Analysis

: OK

: APHA & IS

S.No.	Parameter	Test Mathod	Result	Unit		ment as per 500-2012
					Acceptable Limit	Permissible Limits
1	Ammonia (as total ammonia-NH3)	IS 3025 (P-34), RA:2009	BLQ(LOQ-0.3)	mg/l	0.5	No relaxation

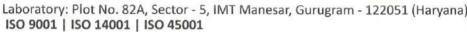




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V E L / E - D 3 / L / T R / P N 1 D 1 5 9







Test Report

Sample Number:

VEL/W/01

· VEL/W/2210031008/N

ampie	Number. VEL/VV/01		Report No	0.	: VEL/VV/22100	131008/N
S.No.	Parameter	Test Mathod	Result	Unit	Requirement as per IS:10500-2012	
		_			Acceptable Limit	Permissible Limits
Micro	obiological Analysis:			-		
2	E.coli	IS:15185: 2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	
3	Total Coliform	IS:15185: 2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	-

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

End of Report

(Checked By)

SATYA DEV

Dy. Technical Manager-Micro

Page No. 2/2

(Approved By)







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

Test Report

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/2210031001

: 03/10/2022-10/10/2022

Format No

: 7.8 F-03

Party Reference No : By Mail

Reporting Date Period of Analysis : 12/10/2022

Receipt Date

: 03/10/2022

: 23/09/2022

Sampling Date

Sampling Quantity

: 5.0 Ltrs.+250 ml

Sampling Type

: Grab

Location

Sample Description : Surface Water

Sample Collected By

: Village-Dhanappa Pit Water ML-03/93 : VEL Representative (Mr. Rajesh)

Environmental Condition

: OK

Sampling and Analysis

Protocol

: IS: 3025 & APHA

S.No.	Test			

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	APHA 4500 H+B Electrometric Method RA:2012	8.01	-
2	Colour	APHA 2120 (B) Visual Comparison Method RA:2012	BLQ(LOQ-1.0)	Hazen
3	Odour	APHA 2150 B, Threshold Odour Method	Unobjectionable	
4	Total Hardness	APHA 2340 C,EDTA Titrimetric Method	32.10	mg/l
5	Chloride (as CI)	APHA 4500 CI-B Argentometric Method:2017	53.61	mg/l
6	Total Dissolved Solids	APHA 2540 C Gravimetric Method RA:2012	178.00	mg/l
7	Sulphate (as SO4)	APHA 4500 SO4 E Turbidimetric Method RA:2009	7.60	mg/l
8	Fluoride (as F)	APHA 4500 F D Spands Method :2017	0.21	mg/l
9	Nitrate (as NO3)	IS 3025 (P-34) Reff. 2003 Chromotropic Method :2017	2.48	mg/l
10	Lead (as Pb)	APHA 3111 B Direct Air Acetylene Flame Method:2017	BLQ(LOQ - 0.002)	mg/l
11	Selenium (Se)	APHA 3114 B:2017	BLQ(LOQ - 0.001)	mg/l
12	Iron (as Fe)	APHA 3500 Fe B 1,10 Phenanthroline Method:2017	BLQ(LOQ - 0.01)	mg/l
13	Nickel (as Ni)	APHA 3111 B	BLQ(LOQ - 0.002)	mg/l
14	Molybdenum	APHA 3111 B	BLQ(LOQ - 0.002)	mg/l
15	Silver (as Ag)	APHA 3111 B	BLQ(LOQ - 0.002)	mg/l
16	Arsenic (as As)	APHA 3114 B:2017	BLQ(LOQ - 0.005)	mg/l
17	Total Chromium (Cr)	APHA 3111 B Direct Air Acetylene Flame Method:2017	BLQ(LOQ - 0.002)	mg/l
18	Phenolic Compounds (as C6H5OH)	APHA 5530 C Chloroform Extraction Method:2017	BLQ(LOQ - 0.0004)	mg/l
19	Anionic Detergents (as MBAS)	APHA 5540 C MBAS Method	BLQ(LOQ - 0.05)	mg/l
20	Zinc (as Zn)	APHA 3111 B Direct Air Acetylene Flame	BLQ(LOQ - 0.01)	mg/l



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

Test Report

Sample Number:

VEL/SW/01

Report No.

: VEL/SW/2210031001

O Me	Test Parameters	Total Modillord	D 14-	
5.NO.	Test Parameters	Test Method	Results	Units
20		Method:2017		
21	Copper (as Cu)	APHA 3111 B Direct Air Acetylene Flame Method:2017	BLQ(LOQ - 0.002)	mg/l
22	Cadmium (as Cd)	¬ APHA 3111 B Direct Air Acetylene Flame Method:2017	BLQ(LOQ - 0.002)	mg/l
23	Turbidity	APHA 23rd Edition, 2130 B	BLQ(LOQ -1.0)	NTU
24	Taste	APHA 23rd Edition, 2160 B	Agreeable	
25	Calcium as Ca	APHA 23rd Edition, 3500 Ca B	10.72	mg/l
26	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B	46.30	mg/l
27	Magnesium as Mg	APHA 23rd Edition, 3500 Mg B	2.59	mg/l
28	Aluminium as Al	APHA 23rd Edition, 3111 B	BLQ(LOQ - 0.002)	mg/l
29	Boron	APHA 23rd Edition, 4500 B C	BLQ(LOQ - 0.01)	mg/l
30	Barium	APHA 23rd Edition, 3111 B Acetelene Flame Method :2017	BLQ(LOQ - 0.01)	mg/l
31	Residual Free Chlorine	APHA 3500 CI B lodometric Method:2017	BLQ(LOQ - 0.15)	mg/l
32	Sodium as Na	APHA 3500 Na B Flame Photometric Method:2017	24.96	mg/l
33	Potassium as K	APHA 3500 K Flame Photometric Method:2017	1.45	mg/l
34	Manganese as Mn	APHA 3111 B:2017	BLQ(LOQ -0.01)	mg/l
35	Mercury (as Hg)	APHA 3112 B Cold Vapor AAS Method : 2017	BLQ(LOQ - 0.0005)	mg/l
36	Chloramines as C12	APHA: 4500-CI-G	BLQ(LOQ -0.15)	mg/l
37	Sulphide(as H2S)	APHA 4500 S2 F IODOMETRIC METHOD 2017	BLQ(LOQ -0.02)	mg/l





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VEL/E-03/1/TR/PN10161







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

Test Report

Sample Number:

VEL/SW/01

Report No.

: VEL/SW/2210031001

S.No.	Test Parameters	Test Method	Results	Units
38	Total Coliform	IS 1622:1981	<2	MPN/100 ml
39	Coliform	IS 1622:1981	<2	MPN/100 ml

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

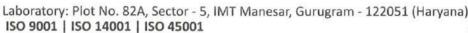
End of Report

(Checked By)

SATYA DEV
Dy. Technical Manager-Micro

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Test Report

Sample Number:

VEL/SW/01

Name & Address of the Party

: M/s J.K White Cement Works

: Village-Dhanappa Pit Water ML-03/93

: VEL Representative (Mr. Rajesh)

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

Distt- Nagaur Rajasthan.

Report No.

: VEL/SW/2210031001/N

Format No Party Reference No

· 7.8 F-03 : By Mail

Reporting Date

: 12/10/2022

Period of Analysis

Receipt Date

: 03/10/2022-10/10/2022

: 03/10/2022

Sampling Date Sampling Quantity : 23/09/2022 : 5.0 Ltrs.+250 ml

Sampling Type

: Grab

Sample Collected By

Sample Description

Environmental Condition

Sampling and Analysis

: OK

: IS: 3025 & APHA

: Surface Water

Protocol

Location

S.No.	Test Parameters	Test Method	Results	Units
1	Carbonane Alkalinity (as CO3)	IS 3025 (P-51)	Nil	mg/l
2	Mineral Oil	APHA 5520-C Partition Infra Red Method:2017	BLQ(LOQ -0.1)	mg/l
3	Total Ammonia as NH3	IS: 3025 (P-34),Titrimetric Method	BLQ(LOQ -0.3)	mg/l
4	РСВ	Annex M of IS 13428	BLQ(LOQ -0.00005)	mg/l
5	PAH	APHA 6440	BLQ(LOQ -0.00005)	mg/l

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

End of Report





