

No. JK-MIU/ENV/2026-27/93/221

Date – 23-05-2026

To

The Deputy Director,
Ministry of Environment, Forest Climate Change (MoEFCC)
Govt. of India, Indira Paryavaran Bhavan,
New Delhi- 110 003

Sub: Half Yearly Environmental Clearance Compliance report for the period of October - 2025 to March-2026 (2nd Half) for Halki Limestone Mine of M/S JK Cement Ltd at Village- Halki, Taluka- Mudhol, District- Bagalkot (Karnataka).

Ref: EC. No: J-11015/384/2006-1A. II(M), dtd.21-01-2008.

Dear Sir,

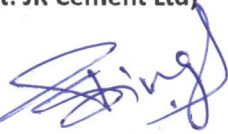
With reference to aforesaid subject and reference matter, we are hereby submitting the enclosed pointwise environmental clearance compliance report for the period from **October - 2025 to March-2026 (2nd Half)** of **Halki Limestone Mine of M/S JK Cement Ltd** (Limestone production of 2 MTPA) at Village-Halki, Taluka-Mudhol, District-Bagalkot, Karnataka.

This for your kind perusal and acknowledge the receipt

Thanking you

Yours faithfully

For Halki Limestone Mine
(Unit: JK Cement Ltd)



Prabhat Singh Parihar
(Unit Head)

Enclosed : EC Compliance Status Report

Corporate Office

📍 Padam Tower, 19 DDA Community Centre
Okhla, Phase - 1, New Delhi - 110020, India

☎ +011-49220000

✉ admin.padamtower@jkcement.com

🌐 www.jkcement.com

JK SUPER
CEMENT
BUILD SAFE

JK CEMENT
WallMaxX
White Cement Wall Putty

Manufacturing Units at :

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



Cc

- 1- The Addl. Principal Chief Conservator of Forest (C), Ministry of Environment & Forest, Regional Office (South Zone), Koramangala, Bangalore.
- 2- Chairman, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, New Delhi
- 3- Scientist 'D' & Incharge, Central Pollution Control Board, 1st & 2nd Floors, Nisarga Bhavan, A-Block, Thimmaiah, Main Road, 7thD Cross, Shivanagar, Opp. Pushpanjali Theatre, Bengaluru
- 4- Member Secretary, Karnataka Pollution Control Board, Church Street, Bangalore
- 5- The Environmental officer, Karnataka State Pollution Control Board, Bagalkot – 587102

Content			
Sr. No.	Annexure	Particular	Page No
1		EC.NO: J-11015/384/2006-1A. II(M), dtd.21-01-2008, EC Compliance Status	1-7
2	Annexure-1	Environment Monitoring Reports	8-15
3	Annexure-2	AAQ Monitoring Reports	16
4	Annexure-3	Fugitive emission Monitoring Reports	17
5	Annexure-4	Noise Level Monitoring Reports	18
5	Annexure-5	Water Quality Monitoring Reports	19-24
6	Annexure-6	Details of Environmental expenditures	25
7	Annexure-7	Details of CSR expenditures	26

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, Karnataka

MoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

EC Compliance Report of Halki Limestone Mine (ML area 124.24 ha & 2.0 MTPA of limestone Production) of M/s J.K Cement Ltd., at village Halki, in Mudhol Taluk, Bagalkot, Dist. (Karnataka) for the Period
October 2025 to March 2026

S.No	Condition	Compliance status
A.	Specific Conditions	
i)	Land use patterns of nearby villages shall be studied and action plan for abatement and compensation for damage to agriculture land /common property land as applicable due to mining activity shall be submitted to the Regional office of the Ministry within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the regional office of the ministry.	Compiled. It has been studied with the EIA which was submitted to the concerned authority. Mining is being done as per IBM approved modified mining Plan so there is no damage to agriculture land /common property. Environmental expenditure is attached as Annexure-6
ii)	Need based assessment for the nearby villages shall be conducted to study economic measures which can help in upliftment of poor section of society such as development of fodder farm, fruit orchard, vocational training etc. Year wise allocation of funds for implementation of these economic measures shall be reported to the regional office of the ministry within six months.	Complying, surrounding village people are sustaining their livelihood in this project. The literacy rate and living standards were enhanced due to increased earning capacity of villagers, better medical facilities, transportation and communication facilities. For socio economic development we have allocated funds to the nearby villagers. A copy of CSR expenditures enclosed as Annexure-7 .
iii)	A no mining zone barrier of 50 m from the channel passing through the lease areas on both sides shall be demarcated and the area shall be afforested with thick species of native vegetation.	Compiled. The mining zone barrier of 50 m from the channel passing through the lease areas on both sides has been demarcated and afforested with local species like Neem, Tapasi, and Gulmohar. It is also planned to shift the canal outside the lease area.
iv)	Recommendations of NEERI, Nagpur, as mentioned in their report on status of Environment – “Action plan ” for the State of Karnataka, as applicable to this project, shall be reported to the Regional office of the Ministry.	Not Applicable. As per the email communication, dated 15.12.2009 with NEERI director, NEERI has not prepared any report on status of Environment- “Action plan” for state of Karnataka.
v)	Conservation plan for wild life shall be prepared in consultation of with the Chief wild life warden and shall be implemented within six months. Necessary allocation of fund for implementation of the same and the status of implementation of the plan shall be reported to the regional office of the Ministry.	Not Applicable. As there is no forest area nearby mining lease, however we had applied to forest department on 25.08.2007. Branch forest office, Lokapur had inspected the site on 27.08.2007 and submitted a letter to zonal forest office, Mudhol on 28.08.2007 and zonal forest office Mudhol had submitted report to Deputy

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, Karnataka

MoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

		conservator of forest, Bagalkot Division, Bagalkot on dated 28.08.2007, detailed report states that there is no schedule- 1 Species available in 10 KM radius area, hence conservation plan for wildlife is not applicable.
vi)	Measures for control and preventions of soil erosion and management of silt shall be prepared and submitted to the Regional office of the ministry within six months	Complied. Soil erosion control measures have been mentioned in EIA which is already submitted to MOEF.
vii)	Water quality both for surface as well as ground water in the core zone shall be regularly monitored for contamination due to mining activity and records maintained. In case contamination is observed, measures for control and action taken shall be reported to the State Government as well as the Regional Office of the Ministry within six months.	Complying. Water quality is being monitored regularly and no contamination is observed. Water quality reports of surface (mine pit) as well as ground water in the core zone is attached as Annexure-5
viii)	Water bodies shall be developed and utilized to develop Pisciculture. Fishermen cooperative society shall be established with the land losers (if any) and specially the poorer section as members of society. Initial financial assistance either in the form of shared money or other wise and managerial assistance shall be provided so that the members themselves can run the affairs of the society in due course. The project proponent shall arrange marketing tie up so that the society gets fair price of their produce and the profits are equitably shared by the members of the society as regular source of income.	Noted. During final closure of mine, Mining pit will be developed as water body and to be utilized to develop Pisciculture.
ix)	Action taken report on issues raised during the public hearing shall be submitted to the Ministry and the State Governments within six months.	Complied and it has been submitted.
x)	Occupational health and safety measures for the workers including training on malaria eradication, HIV, health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a full-time doctor who is trained in occupational health surveillance. Records of the health of the workers shall be maintained.	Complying. Initial and periodical medical examinations of all mine workers are being done on regular basis as required under Mine Rule 1955 and training on various medical aspects are being imparted. The company has engaged fulltime doctor who is trained in Occupational health surveillance. Records are being maintained.

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, KarnatakaMoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

xi)	Top soil/solid waste (if any) shall be stacked properly with proper slope and adequate safe guards and shall back filled for reclamation and rehabilitation of the mined area	Complying. Top soil is being utilized for plantation and solid waste is being stacked properly with proper slope and adequate safe guards have been provided.
xii)	Over burden if any shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not be exceed 30m, each stage shall preferably be of 10m and overall slope of the dump shall not exceeded 28°. The OB dump shall be backfilled. The OB scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self –sustaining. Compliance status shall be submitted to the Ministry of Environment Forests on six monthly bases.	Complying. Over burden is being stacked at earmarked dump site as planned in mining plan. Presently, dumps are active. After completion of dumps, planation will be done. Presently dump height is 18 meters with two stages and overall slope is maintained less than 28°. The OB dump is being scientifically vegetated with suitable native species to prevent erosion and surface run off. Compliance report is being submitted to the Ministry of Environment and Forest on six monthly basis.
xiii)	Garland drains shall be constructed to arrest silt and sediment flows from soil, and mineral dumps. The water so collected shall be utilized for watering the mine areas, roads, green belt development etc. The drains shall be regularly de-silted particularly after monsoon and maintained properly. Garland drain of appropriate size, gradient and length shall be designed keeping 50% safety margin over and above peak sudden rain fall (based on 50 years' data) and maximum discharge in the area adjoining the mine site. Sump capacity will also provide adequate retention period to allow proper settling of silt materials. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals. Check dams and gully checks shall be constructed across nallahs (if any) flowing through the lease area.	Complying. Garland drains have been made around dumps and pit. The collected water in the pit is being used for green belt development and spraying on haul roads for controlling fugitive dust emission. There is no nallah within the lease area.
xiv)	Slope of mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of mines.	Complying. Slope of mining bench and ultimate pit limit are followed as per the mining plan approved by Indian Bureau of mines.
xv)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plan species and in consultation	Complying. Green Belt Development is being done with native species and in consultation with DFO as committed in the Mining plan.

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, KarnatakaMoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

	with DFO. Herbs, shrubs shall also form a part of a forestation programme besides tree plantation. Plantation shall be raised in 22.0 ha around the ML area, haul roads, OB dump sites etc. the density of the trees shall be not less than 2500 plants per ha. The company shall involve local people with the help of self-help group for plantation programme.	
xvi)	Details of the year wise afforestation programme already under take as well as proposed to be taken of including rehabilitation of mined out areas shall be submitted to the Ministry within six months.	Compiled. Details of the year wise afforestation programme are already submitted to MoEF and plantation is being done as per mining plan.
xvii)	The project authority shall implement suitable conservation measures to augment ground water resource in the areas in consultation with the Regional Director, Central Ground Water Board. Status of implementation shall be reported to the regional office of the Ministry from time to time.	Complying. Surface/rain water harvested in the pit recharges ground water as water percolates downwards due to inclined strata.
xviii)	Prior permission from the competent authority shall be obtained for extraction of ground water, if any.	Compiled. Prior permission taken from Karnataka Ground water authority for extraction of ground water.
xix)	Drilling and blasting (if any) shall be conducted by using dust extractors/ wet drilling.	Complying. Wet drilling is being followed.
xx)	Vehicles used for transportation of ores and other mining operation shall have valid permission as prescribed under Central Motor Vehicles rules,1989 and its amendments. Transporting of ores shall be done covered with a tarpaulin or other suitable enclosures so that no dust particles /fine matter escape during the course of transportation. No overloading of ores for transportation shall be undertaken.	Complying. Vehicles used for transportation of ores and other mining operations have valid permission as prescribed under Central Motor Vehicles rules,1989 and its amendments. It is ensured that no spillage occurs during transportation.
xxi)	Village roads through which transportation of ores are being carried out shall be regularly maintained by the company at its own expenses.	Complying. Village roads through which transportation is being carried out is regularly maintained by the company at its own expenses.
xxii)	A final mine closure plan, along with details of corpus funds, shall be submitted to the Ministry of Environments & Forests within six	Noted.

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, Karnataka

MoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

	months, in advance of final mine closure for approval.	
B	General Condition:	
i)	No change in mining technology and scope of working shall be made without prior approval of Ministry of Environment & Forests.	Agreed.
ii)	No change in calendar plan including excavation, quantum of mineral, limestone and waste shall be made.	Agreed.
iii)	Four Ambient Air Quality – monitoring station shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO ₂ , NO _x monitoring. Location of the stations should be decided based on the metrological data, Topographical features and Environmentally and ecologically sensitive targets and frequency of monitoring should be under taken in consultation with the State Pollution Control Board.	Compiled. Four Ambient Air Quality monitoring stations have been established in the core and buffer zone. A copy of the environmental monitoring report by NABL accredited lab is enclosed as Annexure-1 .
iv)	Data on Ambient Air Quality (RSPM, SPM, SO ₂ , and NO _x) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/Central Pollution Control Boards once in six months.	Complying. Ambient air quality data is being submitted regularly to MoEF, Bangalore and SPCB/CPCB. AAQM data is attached as Annexure-2 .
v)	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	Complying. Water is sprayed on the haul roads, loading and unloading points by tankers. Fugitive Dust emission reports enclosed as Annexure-3 .
vi)	Measures shall be taken for control of noise level below 85 dBA in the work environments. Workers engaged in operations of HEMM, etc shall be provided with ear plugs/ muffs.	Complying earplugs/ muffs have been provided. Noise Monitoring report enclosed as Annexure-4 .
Vii)	Industrial waste water (Works shop and waste water from the mine should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. Oil and Grease trap shall be instilled before discharge of effluents.	Not applicable, there is no workshop in the mines area and no waste water discharged from mines.

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, KarnatakaMoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

viii)	Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information of Safety and Health aspects.	Complying. Personnel working in dusty areas have been provided with protective respiratory devices and adequate training and information of Safety and Health aspects provided.
ix)	A separate Environmental Management cell with suitable qualified personnel shall be set up the control of Senior Executive, who will be report directly to the head of the organization.	Compiled. A separate Environmental Management cell with suitable qualified personnel has been set up under the control of a Senior Executive, who is reporting directly to the head of the organization.
X)	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concern authorities and the date of start of land development work.	Compiled.
xi)	The funds earmarked for Environmental Protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional office located at Bangalore.	Compiled.
xii)	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concern authorities and the date of start of land development work.	Compiled.
xiii)	The Regional Office of the Ministry, Bangalore shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data/ information /monitoring reports.	Agreed.
xiv)	A copy of clearance letter will be marked to concerned panchayat /local NGO, if any from whom suggestion /representation has been received while processing the proposal.	Compiled.
xv)	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and collector's office /Tahsildar's office for 30 days.	Noted.
xvi)	The project authorities shall advertise at least in two local Newspapers widely	Compiled.

Halki Limestone Mine(2344(A), Village- Halki, Taluk- Mudhol, Dist.- Bagalkot, Karnataka

MoEF Letter No. J-11015/384/2006-1A. II(M) /dated. 21st January 2008

	circulated , one of which shall be in the vernacular languages of the localities concern within 7days of issue of the clearance letter informing that the project has been accorded Environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of the Environment & Forests at http: www.envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of the Ministry located at Bangalore.	
--	--	--



P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ
(ಪರಿಶುದ್ಧ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲಸ 12 ರಡಿಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವಾಳ (ಸಂರಕ್ಷಣಾ) ಅಧಿನಿಯಮ, 1986 ಅನುಕೂಲ 12 ಕೆಲಸ ಭಾರಾ ಮಾನ್ಯತಾ ಪ್ರಾಪ್ತ ಪ್ರಯೋಗಾಲಯ) ನ್ಯು ದೆಹಲಿ.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590 015



TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005718-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5718	ULR Number	TC1473525000005718F
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka - 587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Ambient Air	Monitoring location	Halki Mines North Boundary
Particulars of sample collected	Monitored through Respirable Dust Sampler APM 460NL, Gaseous Sampler APM 411TE and Fine Particulate Sampler APM 550 and Ozone BTH/Ins/CO/01	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	03.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	08:50 am - 08:50am
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Sl.No	Parameters	Unit	RESULT	NAAQ Standards (2009)	Methods
1.	Particulate Matter (PM ₁₀)	µg/ m ³	70	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	27	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	13.01	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	25.23	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/m ³	12.10	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/m ³	1.13	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/m ³	34.65	180 (1 hr Average)	IS: 5182 (Part 24)
8.	Benzene (C ₆ H ₆)	µg/m ³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m ³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m ³	5.95	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m ³	0.008	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m ³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	As per NAAQ Standards, Report Status: - The measured values for the above parameters are within the standards.
-----------	---

Reviewed by
(Raviraj Paramshetti),

Senior Analyst

Authorized Signatory
(Vinayak S Naik),

Senior Analyst

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಲಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್ ಎಲ್ ಪಿ

(ಪರಿಷ್ಕರಣೆ (ಸಂರಕ್ಷಣೆ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲಸ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यू दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕನಬರಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590 015



TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005721-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5721	ULR Number	TC1473525000005721F
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Ambient Air	Monitoring location	Halki Village
Particulars of sample collected	Monitored through Respirable Dust Sampler APM 460NL, Gaseous Sampler APM 411TE and Fine Particulate Sampler APM 550 and Ozone BTH/Ins/CO/01	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	03.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	08:10 am - 08:10 am
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Sl.No	Parameters	Unit	RESULT	NAAQ Standards (2009)	Methods
1.	Particulate Matter (PM 10)	µg/ m ³	58	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM 2.5)	µg/ m ³	18	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	8.21	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	18.55	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/m ³	7.74	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/m ³	0.77	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/m ³	28.48	180 (1 hr Average)	IS: 5182 (Part 24)
8.	Benzene (C ₆ H ₆)	µg/m ³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m ³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m ³	2.45	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m ³	BDL	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m ³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	As per NAAQ Standards, Report Status: - The measured values for the above parameters are within the standards.
-----------	---

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P : 0831-3569022
M : 7899818373, 9902624295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP
(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಳಗಾವಿ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ
(ಪರಿಸರ (ಸಂರಕ್ಷಣೆ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲವು 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यू दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015



TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005722-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5722	ULR Number	TC1473525000005722F
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Ambient Air	Monitoring location	Halki Mines Office
Particulars of sample collected	Monitored through Respirable Dust Sampler APM 460NL, Gaseous Sampler APM 411TE and Fine Particulate Sampler APM 550 and Ozone BTH/Ins/CO/01	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	03.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	08:30 am - 08:30 am
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

SI.No	Parameters	Unit	RESULT	NAAQ Standards (2009)	Methods
1.	Particulate Matter (PM ₁₀)	µg/ m ³	63	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	21	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	10.27	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	20.51	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/ m ³	9.18	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/ m ³	0.86	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/ m ³	30.25	180 (1 hr Average)	IS: 5182 (Part 24)
8.	Benzene (C ₆ H ₆)	µg/ m ³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/ m ³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/ m ³	2.69	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/ m ³	BDL	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/ m ³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	As per NAAQ Standards, Report Status: - The measured values for the above parameters are within the standards.
-----------	---

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಲಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ವರದಿ ಮಾಡಿದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಅಧಿನಿಯಮ, 1986 ಅನುಬಂಧ 12 ಕೆಳಗೆ ಗುರುತಿಸಲಾಗಿದೆ) ನ್ಯು ದೆಹಲಿ.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590 015



TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005719-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5719	ULR Number	TC1473525000005719F
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Ambient Air	Monitoring location	Metgudda Village
Particulars of sample collected	Monitored through Respirable Dust Sampler APM 460NL, Gaseous Sampler APM 411TE and Fine Particulate Sampler APM 550 and Ozone BTH/Ins/CO/01	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	03.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	09:10am - 09:10 am
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Sl.No	Parameters	Unit	RESULT	NAAQ Standards (2009)	Methods
1.	Particulate Matter (PM ₁₀)	µg/ m ³	61	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	20	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	9.06	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	19.47	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/ m ³	8.42	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/ m ³	0.83	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/ m ³	29.66	180 (1 hr Average)	IS: 5182 (Part 24)
8.	Benzene (C ₆ H ₆)	µg/ m ³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/ m ³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/ m ³	6.0	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/ m ³	BDL	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/ m ³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	As per NAAQ Standards, Report Status: - The measured values for the above parameters are within the standards.
-----------	---

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P 0831-3569022
M : 7899818373, 9902624295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಳಗಾವಿ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾವಿ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವರಣ (ಸಂರಕ್ಷಣಾ) ಅಧಿನಿಯಮ, 1986 ಅನುಬಂಧ 12 ಕೆಳಗೆ ಭಾರತ ಮಾನ್ಯತಾ ಪ್ರಾಪ್ತ ಪ್ರಯೋಗಾಲಯ) ನ್ಯು ದೆಹಲಿ.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಎರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018

TEST REPORT

BTHLLP / GEN / F / 26 / 02 / 00

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005766-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5766	ULR Number	Not applicable
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Fugitive emission	Monitoring location	Halki Mines - Drilling Area
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	02.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	10:10 am to 06:10 pm
Discipline	Chemical		
Product Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Unit	Results	Method
1.	Dust Concentration (Suspended Particulate Matter).	mg/m3	0.341	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP
(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಳಗಾವಿ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ
(ಪರಿಸರ (ಸಂರಕ್ಷಣೆ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲಸ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यू दिल्ली.
Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018

TEST REPORT

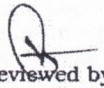
BTHLLP / GEN / F / 26 / 02 / 00

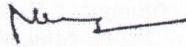
ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005767-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5767	ULR Number	Not applicable
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Fugitive emission	Monitoring location	Halki Mines - Loading Area
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	02.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	10:15 am to 06:15 pm
Discipline	Chemical		
Product Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Unit	Results	Method
1.	Dust Concentration (Suspended Particulate Matter).	mg/m3	0.369	IS 5182 (P4)


Reviewed by
(Vinayak S Naik),
Senior Analyst


Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

- The results refer only to the tested samples & applicable parameters.
- Sample(S) not drawn by us unless stated.
- Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
- The Report Shall not be reproduced partially without the consent of the laboratory.
- After 15 days of report submission the samples will be discarded.
- Complaint register is available at the laboratory at the reception.



P 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಳಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್ ಎಲ್ ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್ ಎಲ್ ಪಿ

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018

BTHLLP / GEN / F / 26 / 02 / 00

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005768-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5768	ULR Number	Not applicable
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka, -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Fugitive emission	Monitoring location	Halki Mines - Haulage Road
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	02.01.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	09:30 am to 05:30 pm
Discipline	Chemical		
Product Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Unit	Results	Method
1.	Dust Concentration (Suspended Particulate Matter).	mg/m3	0.128	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

- Note:**
- The results refer only to the tested samples & applicable parameters.
 - Sample(S) not drawn by us unless stated.
 - Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
 - The Report Shall not be reproduced partially without the consent of the laboratory.
 - After 15 days of report submission the samples will be discarded.
 - Complaint register is available at the laboratory at the reception.



P 0831-3569022
M : 7899018373, 9902824205
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognized under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಲಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यू दिल्ली.

Office Address : Plot No. 457/458, Kanbarg Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಾಂಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590 015

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018

BTHLLP / GEN / F / 26 / 02 / 00

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005769-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5769	ULR Number	Not applicable
Name and address of customer with contact details	M/s. J K Cement Works(Unit JK Cement LTD) Muddapur Village Mudhol Taluk, Bagalkot District Karnataka , -587122	Reference to Work order/ Client request letter/ Purpose of the report	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	Fugitive emission	Monitoring location	Halki Mines - Waste dumping site
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL	Date of receipt of sample	29.12.2025
		Date of start of analysis	29.12.2025
		Date of completion of analysis	02.01.2026
Sample collected by	M/s. Belgum Test House LLP, Plot No. 457/458, Kanbarg Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025	Time/ duration of sampling	09:40 am to 05:40 pm
Discipline	Chemical		
Product Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Unit	Results	Method
1.	Dust Concentration (Suspended Particulate Matter).	mg/m3	0.251	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

- Note:**
- The results refer only to the tested samples & applicable parameters.
 - Sample(S) not drawn by us unless stated.
 - Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum Jurisdiction only.

Annexure-2													
J.K. Cement Works, Muddapur (Unit: J K Cement Ltd.) Halki Lime Stone Mine AAQ Monitoring Report													
Sr. No.	Locations	Parameters	Unit	Results							Min.	Max.	Avg.
				Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26				
1	Near Halki Mines Office	PM10	µg/m3	65.0	55.0	63.0	65.0	74.0	67.0	55.0	74.0	64.8	
		PM2.5	µg/m3	29.0	15.0	21.0	21.0	28.0	23.0	15.0	29.0	22.8	
		SO2	µg/m3	11.3	7.1	10.3	11.2	14.4	10.3	7.1	14.4	10.8	
		NO2	µg/m3	21.4	11.1	20.5	24.1	24.6	20.0	11.1	24.6	20.3	
2	Near Boundary Side	PM10	µg/m3	54.0	59.0	70.0	74.0	62.0	53.0	53.0	74.0	62.0	
		PM2.5	µg/m3	19.0	19.0	27.0	27.0	21.0	14.0	14.0	27.0	21.2	
		SO2	µg/m3	8.3	9.1	13.0	14.5	10.3	7.0	7.0	14.5	10.4	
		NO2	µg/m3	15.2	16.7	25.2	27.1	17.7	12.3	12.3	27.1	19.0	
3	Halki Village	PM10	µg/m3	52.0	63.0	58.0	63.0	50.0	62.0	50.0	63.0	58.0	
		PM2.5	µg/m3	15.0	22.0	18.0	19.0	12.0	20.0	12.0	22.0	17.7	
		SO2	µg/m3	7.1	20.1	8.2	10.4	5.9	9.6	5.9	20.1	10.2	
		NO2	µg/m3	11.3	1.0	18.6	22.3	12.2	17.5	1.0	22.3	13.8	
4	Metgudda Village	PM10	µg/m3	60.0	78.0	61.0	60.0	52.0	60.0	52.0	78.0	61.8	
		PM2.5	µg/m3	25.0	30.0	20.0	15.0	13.0	19.0	13.0	30.0	20.3	
		SO2	µg/m3	10.1	12.8	9.1	8.6	6.7	8.6	6.7	12.8	9.3	
		NO2	µg/m3	19.2	21.9	19.5	18.5	13.7	16.2	13.7	21.9	18.2	
Note: Monitoring done by MoEFCC recognized Lab													

Annexure-3 HALKI LIME STONE MINES (Unit : J.K. Cement Ltd.) Fugitive Emission Monitoring Report of Halki mines					
Sl. No.	MONTH/YEAR	SPM (mg/m ³)			
		Loading Area	Drilling Area	Haulage Area	Waste Dumping Site
1	Dec-25	0.36	0.34	0.12	0.25
2	Mar-26	38.00	0.32	0.15	0.23
	Minimum	0.36	0.32	0.12	0.23
	Maximum	38.00	0.34	0.15	0.25
	Average	19.18	0.33	0.14	0.24

J K Cement Works, Muddapur

(Unit: J.K. Cement Ltd.)
Halki Limestone Mines

Noise Monitoring Report

Core Zone							
Sl. No.	Location Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
1	Halki Mines Drilling Time	67.85	65.86	63.04	71.92	63.85	66.83
2	Halki Mines Waste Dump Site	66.9	58.9	56.86	65.42	58.88	49.38
3	Halki Mines Service Road	69.04	62.72	68.15	56.15	60.33	57.36
4	Excavator Halki Mine	62.83	59.2	61.44	64.9	62.24	65.18

Note: Monitoring done by MoEFCC recognized Lab



RIBHU SAMBIKALPA LAB, LLP

Environmental laboratory, Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No:TC15976

Analysis Report of Mines Pit Water

1	Name of the Industry	M/s. JK Cement Works, Muddapur (Unit: J.K. CEMENT LTD.,) P.O, Muddapur- 587122
2	Address	Muddapur Village, Mudhol Taluk, Bagalkot District (KAR)- 587122.
3	Sample collected by	Ribhu Sambikalpa Lab, LLP
4	Name of the Location	Halki Mines
5	Particular of Sample Collected	Mines Pit Water
6	Field Sample code	JKGW7
7	Lab Sample Code	RSLW 148
8	Date of sample Collection	31.10.2025
9	Date of Sample Received	01.11.2025
10	Date of Sample Analysed	01.11.2025 to 06.11.2025
11	Report Issue Date	07.11.2025
12	Method of Sampling	IS:17614(Part-1)2021
13	Environmental condition at the time of sampling	29.5 °C
14	Unique Lab Report Number	TC159762500000000418F

Sl. No	Parameters	Protocol	Unit of Measurement	Result	General Standards for Inland Surface Water Schedule- VI (EPA-'86)
				Oct-25	Limits
PHYSICAL					
1	Colour	IS:3025(part 4)-1984, RA-2021, Platinum Cobalt Method	HAZEN UNIT	2	-
2	Conductivity	IS:3025(part 14)-1984, RA-2019, Electrometric Method	μ/cms	921	-
3	Total Dissolved Solids	IS:3025(part 16)-1984, RA-2023, Gravimetric Method	Mg/L	598	-
4	pH	IS:3025(part 11)-1983, RA-2022, Electrometric Method	-	7.20	5.50 to 9.0
5	Turbidity (NTU)	IS:3025(part 10)-1984, RA-2017, Nephelometric Method	NTU	0.70	-
CHEMICAL					
6	Dissolved Phosphate as PO4	IS:3025 (part 31)-1988, RA-2021, Stannous chloride method	mg/L	0.069	5
7	Sodium as Na	IS:3025 (part 45)-1993, RA-2019, Flame Emission photometric method	mg/L	112.4	-
8	Potassium as K	IS:3025 (part 45)-1993, RA-2019, Flame Emission photometric method	mg/L	1.40	-
9	Calcium as Ca	IS:3025 (part 40)-1991, RA-2019, EDTA Titrimetric method	mg/L	41.68	-
10	Magnesium as Mg	APHA 23rd Edition 3500-B-Mg By calculation	mg/L	27.67	-
11	Total Hardness as CaCO	IS:3025 (part 32)-1983, RA-2019, EDTA Titrimetric method	mg/L	218	-
12	Chloride as Cl	IS:3025 (part 32)-1988, RA-2019, Argentometric Method method	mg/L	56.48	-



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Bailari-583103 (Karnataka)
Ph: 08392 255744, Website: www.fsccl.com email: chiefexecutive@fsccl.com



CHSAS 18001:2017



RIBHU SAMBIKALPA LAB, LLP

Environmental Laboratory, Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No: TC15976

Sl. No	Parameters	Protocol	Unit of Measurement	Result	General Standards for Inland Surface Water Schedule- VI (EPA-'86)
				Oct-25	Limits
13	Sulphate as SO ₄	APHA 23 Edition 4500-SO ₄ -E (P.NO.4-190-191) Turbidimetric Method	Mg/L	16.73	-
14	Fluoride as F	APHA 23 Edition 4500-F D (P.NO.4-87-88) SPADNS Method	Mg/L	1.32	2
15	Nitrate Nitrogen as NO ₃	IS:3025 (part 34)-1988, RA-2019 Chromotropic acid method	Mg/L	2.52	10
16	Total Alkalinity as CaCO ₃	IS:3025 (part 23)-1986, RA-2019 Indicator method	Mg/L	50	-
TRACE METALS					
17	Total Iron as Fe	APHA 23rd Edition 3111B (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	3
18	Nickel as Ni	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	3
19	Manganese as Mn	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	2
20	Copper as Cu	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	3
21	Zinc as Zn	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	3
22	Lead as Pb	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	0.10
23	Chromium as Cr	APHA 23rd Edition 3111B. (p.no.3-19) Direct Air Acetylene Flame Method	Mg/L	BDL	2

End of Report

Note: 1. The above results are related only to the samples collected & tested on the particular date and time

ANALYZED BY:

1. (K. Somasekhar Rao)

Analyst

2. (G. Dharmaswar)

Analyst

VERIFIED BY:

(P. Harika)

Technical Manager

AUTHORISED SIGNATORY:

(M. Shashikala)

Head of the Laboratory



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)

Ph: 08392 255744, Website: www.hscrl.com email:

chiefexecutive@hscrl.com

DQS Inc.



CHS/15001:2007



RIBHU SAMBIKALPA LAB, LLP

Environmental laboratory. Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No: TC15976

Analysis Report of Mines Pit Water

1	Name of the Industry	M/s. JK Cement Works, Muddapur (Unit: J.K. CEMENT LTD.,) P.O, Muddapur- 587122
2	Address	Muddapur Village, Mudhol Taluk, Bagalkot District (KAR)- 587122.
3	Sample collected by	Ribhu Sambikalpa Lab, LLP
4	Name of the Location	Halki Mines
5	Particular of Sample Collected	Mines Pit Water
6	Field Sample code	JKGW7
7	Lab Sample Code	RSLW 148
8	Date of sample Collection	31.10.2025
9	Date of Sample Received	01.11.2025
10	Date of Sample Analysed	01.11.2025 to 06.11.2025
11	Report Issue Date	07.11.2025
12	Method of Sampling	IS:17614(Part-1)2021
13	Environmental condition at the time of sampling	29.5 °C
14	Unique Lab Report Number	TC1597625000000000418F

Sl. No	Parameters	Protocol	Unit of Measurement	Result	General Standards for Inland Surface Water Schedule- VI (EPA-'86)
				Oct-25	Limits
TRACE METAL					
1.	Mercury	APHA 23rd Edition 3112 B (p.no.3-23 Direct Air acetylene Flame Method	mg/L	BDL	0.001

Note: 1. BDL: Beluw Detectable Limit. (Mercury<0.001) RA: Reaffirmed

2. The Above Results are related only to the samples collected & tested on the particular

ANALYZED BY:

1. (R. Somasekhar Rao)
Analyst

2. (G. Dharmashwar)
Analyst

VERIFIED BY:

(P. Harika)
Technical Manager

AUTHORISED SIGNATORY:

(M. Shashikala)
Head of the Laboratory



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)

Ph: 08392 255744, Website: www.iscrl.com, email: chiefexecutive@iscrl.com



CHSAS 10001:2007



RIBHU SAMBIKALPA LAB, LLP

Environmental laboratory. Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No:TC15976

WATER QUALITY MONITORING DATA

(Borewell Water)

1	Name of the Industry	M/s. JK Cement Works, Muddapur (Unit: J.K. CEMENT LTD.,) P.O, Muddapur- 587122
2	Address	Muddapur Village, Mudhol Taluk, Bagalkot District (KAR)- 587122.
3	Sample collected by	Ribhu Sambikalpa Lab, LLP
4	Name of the Location	Halki Mines
5	Particular of Sample Collected	Bore Well Water
6	Field Sample code	JRGW12
7	Lab Sample Code	RSLW 147
8	Date of sample Collection	31.10.2025
9	Date of Sample Received	01.11.2025
10	Date of Sample Analysed	01.11.2025 to 06.11.2025
11	Report Issue Date	07.11.2025
12	Method of Sampling	IS:17614(Part-1)2021
13	Environmental condition at the time of sampling	29.6 °C
14	Unique Lab Report Number	TC1597625000000000417F

Sl. No	Parameters	Protocol	Unit of Measurement	Result	Drinking Water Specification Std.as per IS: 10500:2012	
				Oct-25	Desirable Limit	Permissible Limits
PHYSICAL						
1	Colour	IS:3025(part 4)-1984, RA-2021, Platinum Cobalt Method	HAZEN UNIT	1	5	15
2	Temperature	IS:3025(part 9)-1984, RA-2023, Thermometer Method	C	26.40	-	-
3	Conductivity	IS:3025(part 14)-1984, RA-2019, Electrometric Method	µ/cms	477	-	-
4	Total Dissolved Solids	IS:3025(part 16)-1984, RA-2023, Gravimetric Method	Mg/L	310	500	2000
5	pH	IS:3025(part 11)-1983, RA-2012, Electrometric Method	-	7.35	6.5-8.5	No Relaxation
6	Turbidity (NTU)	IS:3025(part 10)-1984, RA-2023, Nephelometric Method	NTU	0.40	1	5
7	Total Suspended Solids	IS:3025(part 17)-1984, RA-2022, Gravimetric Method	mg/L	10	-	-
CHEMICAL						
8	Dissolved Oxygen	IS:3025(part 38)-1989, RA-2019, Winkler titrimetric azide modification	mg/L	6.40	-	-
9	Biochemical Oxygen Demand for 3 days at 27°C	IS:3025(part 44)-1993, RA-2023, Three Days BOD at 27°C	mg/L	<1	-	-
10	Chemical oxygen Demand	APHA 24Th Edition 5220-B open reflux method	mg/L	<1	-	-
11	Phosphorous as P	IS:3025(part 31)-1988, RA-2021, Stannous Chloride Method	mg/L	0.072	-	-
12	Sodium as Na	IS:3025(part 45)-1993, RA-2019, Flame Emission photometric Method	mg/L	50.10	-	-



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)
Ph: 08392 255744, Website: www.tsccl.com email: chiefexecutive@tsccl.com



CHSAS 18001:2007



RIBHU SAMBIKALPA LAB, LLP

Environmental laboratory. Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No: TC15976

Sl. No	Parameters	Protocol	Unit of Measurement	Result	Drinking Water Specification Std.as per IS: 10500:2012	
				Oct-25	Desirable Limit	Permissible Limits
13	Potassium as K	IS:3025(part 17)-1984, RA-2019, Flame Emission photometric Method	mg/L	0.30	-	-
14	Calcium as Ca	IS:3025(part 40)-1991, RA-2019, EDTA Titrimetric Method	mg/L	56.91	75	200
15	Magnesium as Mg	APHA 24 th Edition 350-B-mg by Calculation	mg/L	6.77	30	100
16	Total Hardness as CaCO ₃	IS:3025(part 21)-1983, RA-2019, EDTA Titrimetric Method	mg/L	170	300	600
17	Chlorides as Cl	IS:3025(part 32)-1988, RA-2019, Argentometric method	mg/L	18.49	250	1000
18	Sulphates as SO ₄	APHA 24 th Edition 4500-SO ₄ ²⁻ E Turbidimetric Method	mg/L	12.36	200	400
19	Fluoride as F	APHA 24 th Edition 4500-F D, SPADNS Method	mg/L	1.12	1	1.50
20	Nitrate Nitrogen as NO ₃	IS:3025(part 34)-1988, RA-2019, Chromotropic acid method	mg/L	0.934	45	No Relaxation
21	Total Alkalinity as CaCO ₃	IS:3025(part 23)-1986, RA-2023, indicator method	mg/L	185	200	600
22	Acidity as CaCO ₃	IS:3025(part 22)-1986, RA-2019, Indicator method	mg/L	Nil	-	-
23	Oil & Grease	IS:3025(part 39)-1991, RA-2021, Partition Gravimetric Method	mg/L	BDL	-	-
TRACE METALS						
24	Total Iron as Fe	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.30	No Relaxation
25	Nickel as Ni	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.02	No Relaxation
26	Manganese as Mn	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.10	0.30
27	Copper as Cu	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.05	1.50
28	Zinc as Zn	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	5	15
29	Lead as Pb	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.01	No Relaxation
30	Silver as Ag	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.10	No Relaxation
31	Chromium as Cr	APHA 24 th Edition 311B-B Direct Air acetylene Flame Method	mg/L	BDL	0.05	No Relaxation

End of Report

Note: 1. The above results are related only to the samples collected & tested on the particular date and time

ANALYZED BY:

1. (K. Somanathur Rao)
Analyst
2. (G. Bhaskarwar)
Analyst

VERIFIED BY:

(P. Harika)
Technical Manager

AUTHORISED SIGNATORY:

(M. Shashikala)
Head of the Laboratory



"SURVEY HOUSE": #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)
Ph: 08392 255744. Website: www.tsccl.com email: chiefexecutive@tsccl.com



DHSAS 18001:2007



RIBHU SAMBIKALPA LAB, LLP

Environmental laboratory. Recognized by: NABL (ISO/IEC: 17025:2017)
vide certificate No: TC15976 and Certified by ISO (45001:2018)



Certificate No: TC15976

WATER QUALITY MONITORING DATA

(Borewell Water)

1	Name of the Industry	M/s. JK Cement Works, Muddapur (Unit: J.K. CEMENT LTD.,) P.O, Muddapur- 587122
2	Address	Muddapur Village, Mudhol Taluk, Bagalkot District (KAR)- 587122.
3	Sample collected by	Ribhu Sambikalpa Lab, LLP
4	Name of the Location	Halki Mines
5	Particular of Sample Collected	Bore Well Water
6	Field Sample code	JKGW12
7	Lab Sample Code	RSLW 147
8	Date of sample Collection	31.10.2025
9	Date of Sample Received	01.11.2025
10	Date of Sample Analysed	01.11.2025 to 06.11.2025
11	Report Issue Date	07.11.2025
12	Method of Sampling	IS:17614(Part-1)2021
13	Environmental condition at the time of sampling	29.6 °C
14	Unique Lab Report Number	TC1597625000000000417F

Sl. No	Parameters	Protocol	Unit of Measurement	Result	Drinking Water Specification Std.as per IS: 10500:2012	
				Oct-25	Desirable Limit	Permissible Limits
TRACE METAL						
1.	Mercury	APHA 24 th Edition 3112 B Direct Air acetylene Flame Method	mg/L	BDL	0.001	No Relaxation
MICROBIOLOGICAL						
2	Total Coliform Count	APHA 24 th Edition 9222-B Membrane Filter technique	CFU/100 ml	Absent	Shall not be detectable in any 100 ml sample	-
3	E. Coli Count	APHA 24 th Edition 3112 B Direct Air acetylene Flame Method	CFU/100 ml	Absent	Shall not be detectable in any 100 ml sample	-

Note: 1. BDL: Below Detectable Limit. (Mercury<0.001) RA: Reaffirmed

2. The Above Results are related only to the samples collected & tested on the particular

ANALYZED BY:

1. (K. Somasekhara Rao)
Analyst

2. (G. Dharmasree)
Analyst

VERIFIED BY:

(P. Harika)
Technical Manager

AUTHORISED SIGNATORY:

(M. Suresh Kumar)
Head of the Laboratory



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)

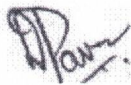
Ph: 08392 255744, Website: www.tscrl.com email: chiefexecutive@tscrl.com



CHAS 18001:2007

M/s. J K Cement Works Muddapur**Environmental Expenditure for Halki Limestone Mine-2344(A)**
Oct 2025 to Mar 2026

Sl. No.	Particulars	Cost (In Rs.)	Remarks
1	Pollution Control	3015000.00	Water Tankers
2	Pollution Monitoring	57525.00	
3	Occupational Health & Safety	0.00	
4	Green belt	70650.00	Gardener Salary
5	Reclamation	0.0	
6	Others	313200.00	JCB
	Total	34,56,375.00	Rupees Thirty-Four Lacs Fifty-Six Thousand & Three Hundred Seventy- Five Only


Mines Manager**Halki Limestone Mine**

Annexure - 7			
Details of CSR Expenditure for 2025-26			
Sr.No	Focus area	Particulars	Amount (Rs)
1	Health	Support for Health care, Training and Medical Aid	824619.99
2	Education	Education aid and Support for Schools	7823140.39
3	Rural Transformation	Rural Development & Other Welfare Activities	672974
4	Other	Miscellaneous Activities	952129.02
Grand Total			10272863.4