

No. JK-MIU/EC-COM/2026-27/89/219

Date- 23-05-2026

To

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

Sub: **Half Yearly Environmental Clearance Compliance report for the period from October - 2025 to March-2026 (2nd Half) of M/s JK Cement Works, Muddapur (Unit: JK Cement Ltd) Cement Production - 4.5 Million Metric Tons/Annum, Clinker Production - 2.64 Million Metric Tons/Annum, Cement-based adhesive -100000 Metric Tonnes /Annum, Captive Power Plant - 1 x 25 Mega Watt, WHRS - 18 Mega Watt and AFR Co-processing with Chlorine Bypass system - 0.21 Million Metric Tons/Annum, Village- Muddapur, Taluka- Mudhol, District- Bagalkot (Karnataka)**

Ref: 1- EC No: J-11011/489/2006-1A. II (I)/dtd.14-09-2007
2- EC No: F. No. J-11011/263/2009-IA II (I) dated 26-06-2010
3- EC No: J-11011/263/2009-IA II (I) dated 26-09-2012
4- EC No: IA-J-11011/27/2024-IA-II(IND-I) dated 07-01-2026

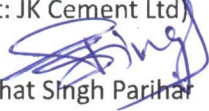
Dear Sir,

With reference to aforesaid subject and reference matter, we are hereby Submitting the enclosed pointwise environmental clearance compliance report for the period of **October - 2025 to March-2026 (2nd Half)** of M/s JK Cement Works, Muddapur (Unit: JK Cement Ltd) Cement Production - 3.5 Million Metric Tons/Annum, Clinker Production - 2.64 Million Metric Tons/Annum, Cement-based adhesive -100000 Metric Tons /Annum, Captive Power Plant - 1 x 25 Mega Watt, WHRS - 18 Mega Watt and AFR Co-processing with Chlorine Bypass system - 0.21 Million Metric Tons/Annum at Village-Muddapur, Taluka-Mudhol, District-Bagalkot, Karnataka.

This for your kind perusal and acknowledge the receipt.

Thanking you

Yours faithfully

For J.K. Cement Works, Muddapura
(Unit: JK Cement Ltd)
Prabhat Singh Parihar
(Unit Head)**Enclosed:** EC Compliance Status Report

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CC:

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

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Compliance Status of MoEFCC Clearance Conditions for

2.20 MTPA Clinker, 2.50 MTPA Cement & 2 X 25 MW Captive Power Plant (CPP)
of

M/S J K Cement Works, Muddapur (Unit: J K Cement Ltd.)
Village: Muddapur, Taluk: Mudhol, District: Bagalkot, Karnataka

For the Period From

October 2025 To March 2026

(EC No. J-11011/489/2006-IA II (I), Dated: 14.09.2007)

A. Specific Conditions:

Sr. No.	Conditions	Compliance Status
i.	Electrostatic precipitator (ESP) to cooler, Bag House to Raw mill, Bag filter to coal kiln burner and pre-calciner shall be provided. Online gas analyzer for O ₂ , CO, emission at kiln inlet and powerhouse out let and on line dust monitor to kiln and cooler shall be provided. A closed clinker system shall be adopted to control fugitive emission. Water sprinkler shall be done in raw material stock yard and cement bag loading areas.	Complying with. ESP Provided for the Cooler and Captive Power Plant. Bag houses and bag filters have been provided at Raw mill / Kiln, Coal mill, Cement mills and at material transfer points (Photographs of Pollution Control Equipment enclosed as Annexure – 1). Online monitoring system for measurement of both Dust and Gaseous parameters have been provided at Raw mill/Kiln & CPP Stacks and Online monitoring system for measurement of dust provided at Clinker Cooler, Coal mill and Cement mill stacks (Photographs of CEMS enclosed as Annexure-2). The Continuous Stack emission monitoring system is connected to CPCB /KSPCB servers. A closed clinker system has been adopted to control fugitive emissions. Water sprinkling arrangements has been provided inside the plant area (Photographs of Water Sprinkling System enclosed as Annexure-3).
ii.	The total water requirement from Ghatprabha River source shall not exceed 1046.4 m ³ /day. The treated wastewater shall be recycled and reused in the process and or for dust suppression, green belt development and other plant related activities etc. The Effluent generated by CPP will also be used in the cement manufacturing process. No process wastewater shall be discharged outside the factory premises and zero discharge shall be adopted. Domestic effluent treated in sewage treatment plant (STP) shall be used for green belt development within the plant and colony areas.	Complying with. The water for the plant operations is sourced from harvested Rain water from mines pits, Ghatprabha river as well as ground water sources. The government of Karnataka vide letter dated 15.10.2022 granted permission for withdrawal of water from Ghatprabha river. Karnataka ground Water Authority (KGWA) granted NOC for abstraction of ground water vide NOC No: KGWAN1854669818, Dated 26.10.2024. Dry manufacturing process has been adopted for cement, so no wastewater is generated in cement plant. The wastewater generated in CPP is treated in neutralization pits of 20 KL capacity. We have also installed 20 KLD capacity STP in plant area and 200 KLD capacity STP in Colony. Treated water from ETP & STP is utilized for cooling, gardening and plantation activity and Zero Discharge status is maintained: STP Treated Water Quality

(EC No. J-11011/489/2006-IA II (I), Dated: 14.09.2007)

		Monitoring report enclosed as Annexure-4 . Photographs of ETP & STP enclosed as Annexure-5 .
iii.	The fly ash and bottom ash generated from the power plant shall be used in the process itself for manufacturing PPC. All the cement dust collected from the pollution control devices shall be recycled and reused in the process and used for cement manufacturing. The fly ash utilization shall be as per the provision stipulated in the fly ash notification of September, 1999 and amended in August, 2003. STP sludge shall be used as manure for green belt development. Used oil shall be sold to authorized recycler / re processor only.	Complying with. The fly ash and bottom ash generated from the power plant is being used in the manufacturing of PPC. However, our CPP is not in operation since November 2021. The cement dust collected from the pollution control devices is recycled back in cement manufacturing process. During the year 2025-26, 6.49 Lacs. Tons of Fly Ash procured from nearby Power Plants was utilized in cement manufacturing. The sludge generated in the STP is utilized for the maintenance of green belt. The KSPCB vide letter dated 29.09.2021 granted authorization for handling of hazardous waste and the same is valid upto 30.06.2026. Used oil is being handed over to authorized recycler/re-processor for disposal.
iv.	High calorific hazardous waste shall be utilized in the cement plant.	Complying with. Hazardous waste and non-hazardous waste are being Co-processed in Cement kiln. During the year 2025-26, 39454 MT of Hazardous waste and 221963 MT non-Hazardous waste co- processed in Cement Kiln. The details of waste Co-processed in Cement Kiln enclosed as Annexure – 6.
v.	As proposed in EIA / EMP, greenbelt shall be developed in 80 ha. (66%) out of total 120 ha. As per the CPCB Guidelines to mitigate the effect of air emission in consultation with local DFO.	Complying with. The Ministry vide letter dated 21.06.2010 granted EC for expansion project, in which the condition was stipulated that green belt shall be developed over an area of 34.5 Ha, accordingly green belt is being developed in and around the Plant & Colony area. Since, inception of the plant to till date 189375 number of saplings planted over an area of 48.12 Ha. During the Year 2025-26, 4797 no's of Saplings Planted in Plant and Colony area. Photographs of Green belt and Plantation enclosed as Annexure -7.
B. General Conditions:		
i.	The project authorities shall adhere to the stipulation made by Karnataka State Pollution Control Board and State Government.	Noted.
ii.	No further Expansion or modification of the plant shall be carried out without prior approval of Ministry or rules made there under.	Agreed.
iii.	The gaseous and particulate matter emission from various units shall conform to the standards prescribed by the KSPCB. Interlocking facilities shall be provided in the pollution control so that in the event of the pollution control equipment not working, the respective unit(s) is shutdown automatically.	Complying with. We have provided online monitoring system at all major stacks (Photographs of CEMS enclosed as Annexure - 2) for monitoring the gaseous and particulate matter emissions and the emissions are within the standards as prescribed by the Ministry/KSPCB. Interlocking facilities have been provided in pollution control equipment. Stack monitoring records for last 6 months enclosed as Annexure-8.

iv.	One Ambient Air: Quality Monitoring station shall be installed in down wind direction. Ambient air quality including Ambient Noise Level shall not exceed the standard stipulated under EPA or by the state authorities. Monitoring of Ambient air quality and stack emission shall be carried out regularly in consultation with KSPCB and report submitted to the KSPCB quarterly and to the Ministry Regional Office at Bangalore Half Yearly.	Complying with. 4 No's of AAQ stations are installed to monitor Ambient air quality. We have also Installed 2 No's. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in the plant area (Photographs of CAAQMS enclosed as Annexure - 2). The results of Ambient air quality and Ambient Noise levels are within the standards as prescribed by MoEFCC / CPCB / KSPCB. AAQ and Noise level monitoring report of last six months enclosed as Annexure – 9 & 10 . Environmental Monitoring of Ambient Air Quality, Stack Emissions, Noise levels, Fugitive emissions, Waste water analysis, etc. are being carried out regularly and report is being submitted to KSPCB and Ministry on regular basis. The latest report of Environmental monitoring by MoEFCC recognized laboratory enclosed as Annexure – 11 .
v.	The Company shall install adequate dust collection and extraction system to control fugitive dust handling (Unloading, conveying, transporting, and stacking) vehicular movement, bagging and packing areas etc. Asphalting / concreting of roads and water spray all around the stock yard and loading / unloading areas shall be carried out to control fugitive emission. Covered sheds for storage of raw materials and fully covered conveyors for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos.	Complying with. To control fugitive emissions, we have installed Bag filters at materials transfer points, closed conveyors provided for conveying of materials, covered storage shed provided for the storage of raw materials, Internal roads concreted, Water sprinkling arrangements provided for sprinkling water, Silos provided for storage of Cement, Fly ash and Clinker. We have also deployed 03 no's. of vacuum cleaning road sweeping machines for cleaning of roads. Fugitive Emission monitoring report enclosed as Annexure – 18 . The Photographs of Closed conveyors, Covered storage shed enclosed as Annexure- 12 & Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3 .
vi.	Prior permission from the State Ground water Board, Central Ground Water Authority (SGWB / CGWA) regarding drawl of ground water shall be obtained.	Complying with. Karnataka ground Water Authority (KGWA) granted NOC for abstraction of ground water vide NOC No: KGWAN1854669818, dated: 26.10.2024 and it is valid Up to 25.10.2027. The Copy of the Same enclosed as Annexure- 13 .
vii.	The company must harvest the rainwater from the roof tops and storm water drains recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Complying with. Rainwater harvesting structures have been provided for ground water recharge in plant and colony area. The Photographs of Rain Water Collection Tanks and Recharge Pits enclosed as Annexure- 14 .
viii.	The company shall undertake eco-development; measures including community welfare measures in the project areas.	Complying with. We are carrying out community development work in the field of Health, Education, Infrastructure & Skill development in the nearby villages of our Cement Plant and Mines. During the year 2025-26 an amount of Rs. 102,72 Lakhs were spent in CSR activities. The details of CSR expenditure for FY 2025-26 enclosed as Annexure- 15 .

(EC No. J-11011/489/2006-IA II (I), Dated: 14.09.2007):

ix.	The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environments (Protection) Act, 1986 Rules 1989 viz 75 dBA (Day Time) and 70 dBA at (Night Time).	Complying with. To control noise levels within the prescribed standards, we have provided acoustic hoods, silencers, enclosures, etc. on noise generating sources. Ambient & Work zone Noise monitoring report enclosed as Annexure-10 .
x.	All recommendations made in the Corporate Responsibilities for Protection (CREP) for cement plants shall be implemented.	Complying with. All recommendations made in the Corporate Responsibilities for Protection (CREP) for cement plants have been implemented. The details enclosed as Annexure – 16 .
xi.	Proper housekeeping and adequate occupational program shall be taken up.	Complying with. Proper housekeeping is maintained through regular cleaning and sweeping of road by 03 no's. of vacuum cleaning road sweeping machines, water sprinkling at material storage area and on road, proper storage of materials, regular repair and maintenance of internal roads, etc. Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3 . Medical checkup of the employees is being carried out once in 6 months to 1 year (based area of working) and the medical records are maintained.
xii.	A separate Environmental Management cell to carry out various management and monitoring function shall be set up under control of Sr. Executive.	Complying with. A separate Environmental Management cell has been established headed by Unit Head to carry out Environmental monitoring and various management functions.
xiii.	Rs. 8.70 crores earmarked for environmental pollution measures shall be suitable used to implement the condition stipulated by the Ministry of Environment and Forest as well as the State Government. The fund so provided shall not be diverted for any other purpose.	Complying with. Annual budget is allocated for environmental protection measures. An amount of Rs. 650.07 lakhs were spent from October'25 to March'26. The details of expenditure enclosed as Annexure-17 .
xiv.	The Regional of this Ministry at Bangalore / CPCB / KSPCB shall monitor the stipulated condition. A six-monthly compliance report and monitor data along with statistical interpretation shall be submitted to them regularly.	Complying with. Six monthly compliance report of EC conditions submitted regularly to the Regional office of Ministry at Bengaluru, CPCB & KSPCB. Last report submitted on 25.11.2025.
xv.	The project authorities shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by concerned authorities and the date of commencing the land development work.	Complied. The information regarding financial closure and final approval of the project was provided to the regional office of Ministry vide our letter dated: 09.03.2009.

(EC No. J-11011/489/2006-IA II (I), Dated: 14.09.2007)

xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by Ministry and copies of the clearance letter are available with the Karnataka Pollution Control Board / committee and may be seen at website of the Ministry of Environment and Forests at http: www.envfor.nic.in . This should be advertised within seven days from the date of issues of clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the regional office at Bangalore.	Complied. The advertisement was circulated in two local newspapers as per the stipulation.
6.0	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional offices of this Ministry located of Bangalore.	Agreed.
7.0	The Ministry may revoke or suspend the clearance if implementation of any of the above condition is not satisfactory.	Agreed.
8.0	Any other condition or alteration in the above conditions shall to be implemented by the project authorities in a time bound manner.	Agreed.
9.0	The above conditions shall be enforced, inter-alia under the provisions of The Water (Prevention and control of pollution) Act, 1974, the Air Act. 1981, The Environment Protection Act 1986 and The Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. The KSPCB Granted renewal of consent to operate vide CTO No AW-352879, dated: 23.02.2026 and is valid upto 30.06.2026.

Compliance Status of MoEFCC Clearance Conditions for

**2.20 MTPA Clinker, 3.50 MTPA Cement & 2 X 25 MW Captive Power Plant (CPP)
of**

**M/S J K Cement Works, Muddapur (Unit: J K Cement Ltd.)
Village: Muddapur, Taluk: Mudhol, District: Bagalkot, Karnataka**

For the Period From

October-2025 To March- 2026

(EC No. J-11011/263/2009-IA II (I), Dated: 21.06.2010)

A. SPECIFIC CONDITIONS:

Sr. No.	Conditions	Compliance Status
i)	All other necessary statutory clearances from the concerned departments including No Objection Certificate from the Karnataka State Pollution Control Board (KSPCB) shall be obtained prior to commencement of construction and / or operation.	Complied. CTE was obtained for the expansion project from KSPCB vide letter no. KSPCB/HPI/021/SEO-17CAT/EO/J.K/10-11/81, Dated: 06.10.2010. Latest Consent to Operate granted by KSPCB vide CFO No. AW-352879, Dated 23.02.2026 and it is valid upto 30.06.2026.
ii)	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Govt. shall be ensured and regular reports submitted to the Ministry and its regional Office at Bangalore.	Complying with. Specific and general conditions stipulated for the existing plant by the Central/State Govt. is being complied. Six monthly compliance report of EC conditions submitted regularly to the Regional office of Ministry at Bengaluru, CPCB & KSPCB. Last report submitted on 25.11.2025.
iii)	Adequate pollution control measures viz. bag filters shall be provided to control emissions from various sources within 50 mg/Nm ³ . At no time, particulate emissions from the grinding unit shall exceed 50 mg/Nm ³ . Interlocking facility shall be provided in the pollution control equipments so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	Complying with. Pollution control equipment such as ESP, Bag House, Bag Filters, etc. provided for controlling the emissions. Interlocking facilities have been provided in pollution control equipment. The stack emissions are regularly monitored and it is within the limits as specified by MoEFCC / KSPCB. Stack monitoring records for last 6 months enclosed as Annexure-8 .
iv)	Cement grinding shall be carried out in closed circuit and shall have highly efficient reverse pulse jet type bag filters.	Complying with. Cement grinding is being carried out in closed circuit and highly efficient bag filters have been installed to control emissions. Photographs of Cement mill Bag House enclosed as Annexure – 1 .
v)	Ambient air quality monitoring stations (AAQMS) shall be set up as per statutory requirement in consultation with the Karnataka Pollution Control Board (KSPCB). Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality shall be carried out regularly in consultation with KSPCB and must not exceed the standards stipulated under EPA or by the State Authorities. Monitoring reports for ambient air, stack and	Complying with. 4 No's of AAQ stations are installed to monitor Ambient air quality. We have also Installed 2 No's. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in the plant area (Photographs of CAAQMS enclosed as Annexure - 2). The results of Ambient air quality and Ambient Noise levels are within the standards as prescribed by MoEFCC / CPCB / KSPCB. AAQ

	fugitive emissions shall be submitted to the Ministry's regional Office at Bangalore, Central Pollution Control Board (CPCB) and KSPCB half-yearly. The instrument used for ambient air quality monitoring shall be calibrated time to time.	and Noise level monitoring report of last six months enclosed as Annexure – 9 & 10 . The instruments used for ambient air quality monitoring is being calibrated regularly. Environmental Monitoring of Ambient Air Quality, Stack Emissions, Noise levels, Fugitive emissions, Waste water analysis, etc. are being carried out regularly and report is being submitted to KSPCB and Ministry on regular basis. The latest report of Environmental monitoring by MoEFCC recognized laboratory enclosed as Annexure – 11 .
vi)	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and all the transfer points. Dust extraction system with bag filters at raw material handling areas shall be provided, collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	Complying with. To control fugitive emissions, we have installed adequate dust collection and extraction system at loading/unloading points and all the transfer points. The dust collected in bag filters is recycled back to the process. Closed conveyors provided for conveying of materials, covered storage shed provided for the storage of raw materials, Internal roads concreted, Water sprinkling arrangements provided for sprinkling water, Silos provided for storage of Cement, Fly ash and Clinker. We have also deployed 03 no's. of vacuum cleaning road sweeping machines for cleaning of roads. The Photographs of Closed conveyors, Covered storage shed enclosed as Annexure- 12 & Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3 .
vii)	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed. Transportation of raw materials shall be covered means.	Complying with. Secondary fugitive emissions are being controlled and monitored periodically and are within the prescribed limits. CPCB guidelines have been adopted for code of practice to control fugitive emissions. The Fugitive Emission monitoring report enclosed as Annexure – 18 . Raw materials are being transported through covered means.
viii)	Total ground water requirement shall not exceed 200 m ³ /day. No wastewater shall be generated from the cement grinding unit.	Complying with. The water for the plant operations is sourced from harvested Rain water from mines pits, Ghataprabha river as well as ground water sources. The groundwater quantity withdrawal is within the limits as permitted by KGWA. per No wastewater is being generated from the cement grinding unit.
ix)	All the solid waste viz. fly ash and dust etc. should be properly recycled and reutilized in the process itself.	Complying with. Fly ash and dust from pollution control equipment is utilized in cement manufacturing.
x)	As proposed, green belt shall be developed in at least 34.5 ha of land area to land area to mitigate the impact of fugitive emissions in and around the expansion project as per the CPCB guidelines in consultation with the local DFO.	Complying with. Green belt is being developed in and around the Plant & Colony area. Since, inception of the plant to till date 189375 number of saplings planted over an area of 48.12 Ha. During the Year

		2025-26, 4797 no's of Saplings Planted in Plant and Colony area. Photographs of Green belt and Plantation enclosed as Annexure -7.
xi)	Proper housekeeping and adequate occupational health programs shall be taken up.	Complying with. Proper housekeeping is maintained through regular cleaning and sweeping of road by 03 no's. of vacuum cleaning road sweeping machines, water sprinkling at material storage area and on road, proper storage of materials, regular repair and maintenance of internal roads, etc. Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3. Medical checkup of the employees is being carried out once in 6 months to 1 year (based area of working) and the medical records are maintained.
xii)	All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.	Complying with. All recommendations made in the Corporate Responsibilities for Protection (CREP) for cement plants have been implemented. The details enclosed as Annexure – 16.
xiii)	Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Complying with. Rainwater harvesting structures have been provided for ground water recharge in plant and colony area. The Photographs of Rain Water Collection Tanks and Recharge Pits enclosed as Annexure- 14.
xiv)	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.	Complying with. We are carrying out community development work in the field of Health, Education, Infrastructure & Skill development in the nearby villages of our Cement Plant and Mines. During the year 2025-26 an amount of Rs. 102,72 Lakhs were spent in CSR activities. The details of CSR expenditure for FY 2025-26 enclosed as Annexure- 15.
xv)	The company shall provide housing for 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. The project is in operation phase.
B. GENERAL CONDITION:		
i)	The project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board and the State Government.	Agreed.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed.

iii)	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standard prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Noted.
iv)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its regional Office at Bangalore and the SPCB/CPCB once in six Months.	Complying with. 4 No's of AAQ stations are installed in consultation with KSPCB to monitor Ambient air quality. We have also Installed 2 No's. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in the plant area (Photographs of CAAQMS enclosed as Annexure - 2). The results of Ambient air quality and Ambient Noise levels are within the standards as prescribed by MoEFCC / CPCB / KSPCB. AAQ and Noise level monitoring report of last six months enclosed as Annexure – 9 & 10. Environmental Monitoring of Ambient Air Quality, Stack Emissions, Noise levels, Fugitive emissions, Waste water analysis, etc. are being carried out regularly and report is being submitted to KSPCB and Ministry on regular basis. The latest report of Environmental monitoring by MoEFCC recognized laboratory enclosed as Annexure – 11.
v)	Industrial wastewater shall 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. The treated wastewater shall be utilized for plantation purpose.	Complying with. Dry manufacturing process has been adopted for cement, so no wastewater is generated in cement plant. The wastewater generated in CPP is treated in neutralization pits of 20 KL capacity. We have also installed 20 KLD capacity STP in plant area and 200 KLD capacity STP in Colony. Treated water from ETP & STP is utilized for cooling, gardening and plantation activity and Zero Discharge status is maintained. STP Treated Water Quality Monitoring report enclosed as Annexure-4. Photographs of ETP & STP enclosed as Annexure-5.
vi)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complying with. To control noise levels within the prescribed standards, we have provided acoustic hoods, silencers, enclosures, etc. on noise generating sources. Ambient & Work zone Noise is regularly monitored and is found to be within the limits as specified by CPCB / KSPCB. Ambient & Work zone Noise monitoring report enclosed as Annexure-10.
vii)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factory Act.	Complying with. Medical checkup of the employees is being carried out once in 6 months to 1 year (based area of working) and the medical records are maintained.

viii)	The company shall develop surface water harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	Complying with. Rainwater harvesting structures have been provided for ground water recharge in plant and colony area. The Photographs of Rain Water Collection Tanks and Recharge Pits enclosed as Annexure- 14.
ix)	The Project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programme, educational programs, drinking water supply and health care etc.	Complying with. Following environmental protection measures implemented: • ESP, Bag house, bag filters provided for controlling the emission from the plant • Fugitive emission control measures such as concreting of, internal roads, covered storage, mechanical sweepers, water sprinkling system provided. • Greenbelt was developed over an area of 48.12 Ha. • Zero Liquid discharge was implemented • Continuous emission and Continuous ambient air quality monitoring systems installed. • Environment quality was monitored through MoEF&CC recognized laboratory. We are carrying out community development work in the field of Health, Education, Infrastructure & Skill development in the nearby villages of our Cement Plant and Mines. During the year 2025-26 an amount of Rs. 102.72 Lakhs were spent in CSR activities. The details of CSR expenditure for FY 2025-26 enclosed as Annexure- 15.
x)	As proposed, Rs. 431 lakhs and Rs. 117.95 lakhs shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the regional Office of the Ministry at Bangalore. The funds so provided shall not be diverted for any other purpose.	Complying with. Annual budget is allocated for environmental protection measures. An amount of Rs. 650.07 lakhs were spent from October'25 to March'26. The details of expenditure enclosed as Annexure-17.
xi)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Copy of clearance letter had been sent to concerned local bodies. No suggestions & representation were received, the same was also displayed on the website of the company.
xii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of	Complying with. The copies of Six-monthly compliance report and monitoring reports are uploaded to company

	monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional Office of the MoEF at Bangalore, The respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x (ambient for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	website and also submitted regularly to the Regional office of Ministry at Bengaluru, CPCB & KSPCB. Last report submitted on 25.11.2025. Criteria pollutant levels are being displayed at main gate of the company.
xiii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of this Ministry at Bangalore/CPCB/SPCB shall monitor the stipulated conditions.	Complying with. Six monthly compliance report of EC conditions submitted regularly to the Regional office of Ministry at Bengaluru, CPCB & KSPCB. Last report submitted on 25.11.2025.
xiv)	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, 19086, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective regional Office of the MoEF at Bangalore by e mail.	Complying with. Environmental statement is being submitted to KSPCB & Regional Office of Ministry at Bengaluru regularly. Last Environmental Statement in Form -V submitted on 26.9.2025.
xv)	The Project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the regional office at Bangalore.	Complied. The advertisement was circulated in two local newspapers as per the stipulation.
xvi)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied. The details was provided to the Regional Office as per the stipulation.

(EC No. J-11011/263/2009-IA II (I), Dated: 26.09.2012)

Compliance Status of MoEFCC Clearance Conditions for

**2.20 MTPA Clinker, 3.50 MTPA Cement & 2 X 25 MW Captive Power Plant (CPP)
of**

**M/S J K Cement Works, Muddapur (Unit: J K Cement Ltd.)
Village: Muddapur, Taluk: Mudhol, District: Bagalkot, Karnataka**

For the Period From

October-2025 To March- 2026

(EC No. J-11011/263/2009-IA II (I), Dated: 26.09.2012)

Sr. No.	Conditions	Compliance Status
3(i)	The overall capacity of the plant shall remain 3.5 MTPA.	Complying with. The cement production is within the capacity
3(ii)	There shall be no increase in the water consumption and land requirement.	Complying with. There is no increase in the water consumption and land requirement.
3(iii)	The company shall comply with all the conditions stipulated vide Ministry's letter of even number dated 21 st June, 2010.	Complying with. The conditions stipulated vide Ministry's letter of even number dated 21 st June 2010 is being complied.
4.	In case of change in the scope of the project, fresh proposal for environmental clearance shall be submitted to the Ministry.	Noted and agreed.

Compliance Status of MoEFCC Clearance Conditions for

Clinker (2.64 to 6.84 Million TPA), Cement (3.5 to 8.5 Million TPA), WHRS (18 to 45 MW), DG Sets {1000 kVA (2 x 500 kVA) to 2250 kVA [(2 x 500 kVA) & (1 x 1250 kVA)]}, Residential Colony (Built-up area 18523.24 sq.m. to 25549.52 sq.m) along with installation of Railway Siding with Wagon tippler without change in Existing CPP (25 MW)

of

**M/S. J K Cement Limited, Muddapur
Village: Muddapur, Taluka: Mudhol, District: Bagalkot, Karnataka
For the Period From**

October 2025 To March 2026

(EC No. EC25A1101KA5207664N, File No. IA-J-11011/27/2024-IA-II(IND-I) Dated: 07.01.2026)

1. Specific Conditions:

Sr. No	Conditions	Compliance Status
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Noted
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Complying with. We are targeting net-zero carbon emissions by 2050.
1.4	The Captive Power Plant(s) using coal or lignite shall comply with emission standards notified vide G.S.R. 465(E) dated 11-07-2025.	Complied CPP is not in operation since November 2021
1.5	Project Proponent shall implement strict and regular housekeeping measures, ensuring proper management of materials, waste, and general cleanliness to maintain safe, organized, and environmentally compliant operations, as committed. PP shall implement dust suppression measures in nearby villages also, in coordination Gram sabha/ equivalent representatives.	Complying with. Proper housekeeping is maintained through regular cleaning and sweeping of road by 03 no's. of vacuum cleaning road sweeping machines, water sprinkling at material storage area and on road, proper storage of materials, regular repair and maintenance of internal roads, etc. Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3 .
1.6	Bommanbudni is at a distance of 0.67 Km (WSW) along with other sensitive areas within the study area	Noted

	of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.	
1.7	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.	Noted
1.8	Nallah is at a distance of 50 m in WNW along with other water bodies within 10 Kms. radius of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Noted
1.9	The total water requirement after expansion will be 3204 KLD which will be obtained from Ground Water (800 KLD), Ghatprabha river and rainwater stored in mine sump. PP shall secure the required approval from the appropriate authority.	Complying with. Karnataka ground Water Authority (KGWA) granted NOC for abstraction of ground water vide NOC No: KGWAN1854669818, dated: 26.10.2024 and it is valid Up to 25.10.2027.
1.10	PP shall continue to draw water only from the approved sources and maintain valid permissions from the concerned authorities. The PP shall also ensure that no water is sourced from the Hidkal Reservoir unless and until explicit approval is obtained and the stay of the Hon'ble High Court is vacated. PP to monitor GW level on quarterly basis, to assess the impact of extraction, and take suitable management measures like water recharging, rain water harvesting etc	Noted
1.11	Greenbelt shall be developed/ maintained in the project area in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. As committed, total greenbelt shall be developed and maintained in ~60.26 ha (39.43%) with total saplings of 150650 in a period of 1 year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	Noted
1.12	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)	Noted
1.13	All the commitments made towards socio-economic development of the nearby villages shall be	Noted and Complying

	satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to Rs. 33 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.	
1.14	PP shall implement the skill development programs, in alignment with relevant Government initiatives/programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC	Noted
1.15	PP shall Install CO sensors with alarms at strategic locations in the Plant.	Not Applicable
1.16	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self-compliance reporting mechanism.	Noted
1.17	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported	Noted
1.18	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations.	Noted

	Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends. A comparative study of change in agriculture yield during the past ten years may be undertaken for 3km radius.	
1.19	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Noted & Complying
1.20	PP shall ensure compliance with the applicable GHG emission intensity targets prescribed under the CCTS (Carbon Credit Trading Scheme).	Noted
1.21	Necessary coordination shall be made with concerned SPCB/ UTPCC (who is responsible for Compliance of OM dated 14-01-2025, as amended) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE	Noted

Standard EC Conditions for (Cement plants)

1. Statutory Compliance		
S.No	Conditions	
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted
2 Air Quality Monitoring and Preservation		
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these	Complying with Online monitoring system for measurement of both Dust and Gaseous parameters have been provided at Raw mill/Kiln & CPP Stacks and Online monitoring system for measurement of dust provided at Clinker Cooler, Coal mill and Cement mill stacks (Photographs of CEMS enclosed as Annexure-2). The Continuous

	systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Stack emission monitoring system is connected to CPCB /KSPCB servers.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	4 No's of AAQ stations are installed to monitor Ambient air quality. We have also Installed 2 No's. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in the plant area (Photographs of CAAQMS enclosed as Annexure - 2).
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complying with. To control fugitive emissions, we have installed Bag filters at materials transfer points, closed conveyors provided for conveying of materials, covered storage shed provided for the storage of raw materials, Internal roads concreted, Water sprinkling arrangements provided for sprinkling water, Silos provided for storage of Cement, Fly ash and Clinker. We have also deployed 03 no's. of vacuum cleaning road sweeping machines for cleaning of roads
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Noted
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	ESP Provided for the Cooler and Captive Power Plant. Bag houses and bag filters have been provided at Raw mill / Kiln, Coal mill, Cement mills and at material transfer points (Photographs of Pollution Control Equipment enclosed as Annexure – 1).
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Noted
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complying with. Proper housekeeping is maintained through regular cleaning and sweeping of road by 03 no's. of vacuum cleaning road sweeping machines, water sprinkling at material storage area and on road, proper storage of materials, regular repair and maintenance of internal roads, etc. Photographs of Water Sprinkling System, Road Sweeping Machines and Concrete Road enclosed as Annexure- 3 .
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent uses leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Noted and Complying

2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	Noted
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Noted
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Noted
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	ESP Provided for the Cooler and Captive Power Plant. Bag houses and bag filters have been provided at Raw mill / Kiln, Coal mill, Cement mills and at material transfer points (Photographs of Pollution Control Equipment enclosed as Annexure – 1).
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	Noted
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.	Noted and Complying
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	Water sprinkling arrangements has been provided inside the plant area (Photographs of Water Sprinkling System enclosed as Annexure-3).
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	Noted and Complying
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Complying with. To control fugitive emissions, we have installed Bag filters at materials transfer points, closed conveyors provided for conveying of materials, covered storage shed provided for the storage of raw materials, Internal roads concreted, Water sprinkling arrangements provided for sprinkling water, Silos provided for storage of Cement, Fly ash and Clinker. We have also deployed 03 no's. of vacuum cleaning road sweeping machines for cleaning of roads
3	Air Quality Monitoring and Preservation in Case of Integrated Cement Plants	
3.1	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x emissions.	Noted

3.2	The emission norms applicable for the cement plant shall be adhered to.	Noted
3.3	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.	Noted
3.4	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.	Noted
3.5	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.	Noted
3.6	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.	Noted
3.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	ESP Provided for the Cooler and Captive Power Plant. Bag houses and bag filters have been provided at Raw mill / Kiln, Coal mill, Cement mills and at material transfer points (Photographs of Pollution Control Equipment enclosed as Annexure – 1).
3.8	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.	Complying CPP is not in operation since November 2021
3.9	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m3, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	Noted
4	Water Quality Monitoring and Preservation	
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and Post -monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Complying. Water quality is monitoring twice a year piezometers installed for ground level monitoring and reports are regularly submitted to KGWA
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Noted
4.4	Tyre washing facilities shall be provided at the entrance of the plant gates.	Noted
4.5	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Noted

4.6	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Complying water meters provided at the inlet to process unit
4.7	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.	Noted
4.8	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.	Noted
4.9	Rain water harvesting shall be implemented to recharge /harvest water as per the action plan submitted in the EIA/EMP report.	Complying with. Rainwater harvesting structures have been provided for ground water recharge in plant and colony area. The Photographs of Rain Water Collection Tanks and Recharge Pits enclosed as Annexure- 14 .
5	Noise Monitoring and Prevention	
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complying. Noise pollution is being Monitoring and reports are regularly submitted to KPCB
5.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz.75 dB(A) during day time and 70 dB(A) during night time.	Complying
6	Energy Conservation Measures	
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly	Noted
6.2	Provide LED lights in their offices and residential areas.	Complying
7	Energy Conservation Measures in Case of Integrated Cement Plants	
7.1	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	Noted
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.	Noted
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.	Noted & Complying

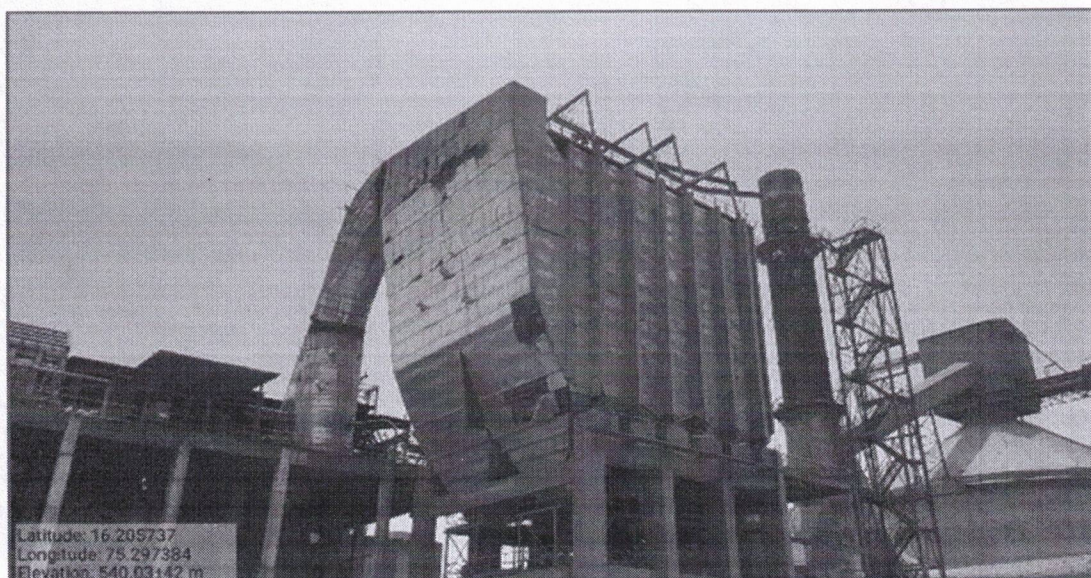
7.4	Waste heat recovery system shall be provided for kiln and cooler.	Noted
8	Waste Management	
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Noted
8.2	Kitchen waste shall be composted or converted to biogas for further use.	Noted
8.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	Noted
8.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines- 3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	Noted
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Noted
9	Green Belt	
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	Noted
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting / balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames	Noted
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Noted

10	Public Hearing and Human Health Issues	
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted
10.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	Noted
10.3	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted and Complying
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Noted and Complying
11	Environment Management	
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Noted
11.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Noted
11.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Complying with. A separate Environmental Management cell has been established headed by Unit Head to carry out Environmental monitoring and various management functions.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.	Noted
12	Miscellaneous	
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and	Complied.

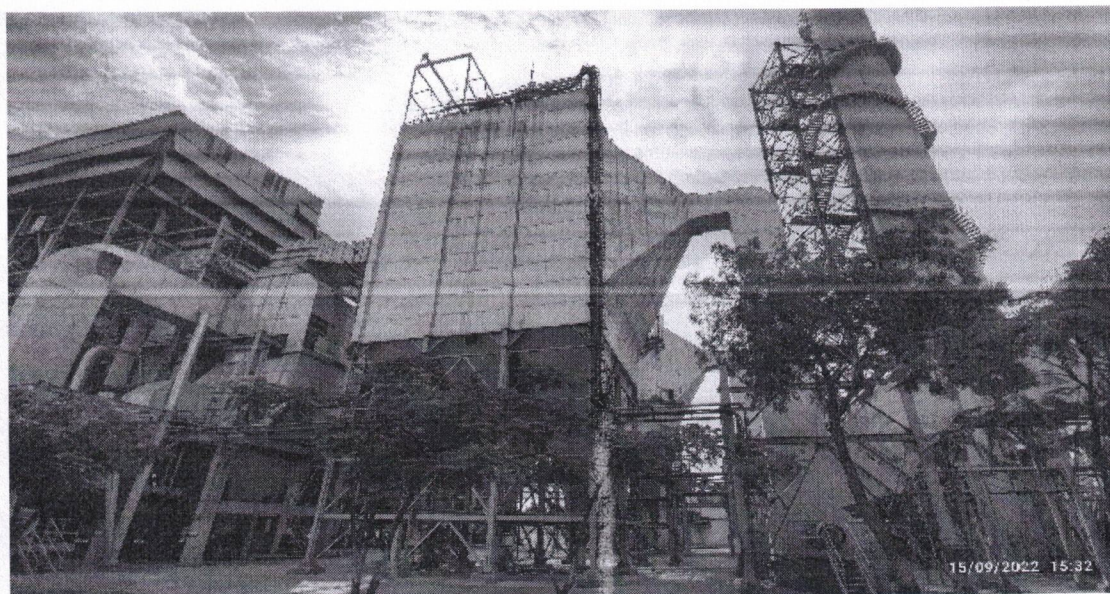
	safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	The advertisement was circulated in two local newspapers Deccan Herald and Prajavani dated 13.01.2026 as per the stipulation. Copy is enclosed as Annexure-19
12.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copy of clearance letter had been sent to concerned local bodies. No suggestions & representation were received, the same was also displayed on the website of the company
12.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complying Displayed at Main Gate
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented	Noted
12.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted
12.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Complying with. Environmental statement is being submitted to KSPCB & Regional Office of Ministry at Bengaluru regularly. Last Environmental Statement in Form -V submitted on 26-09-2025.
12.8	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Complied. The details was provided to the Regional Office as per the stipulation.
12.9	The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with	Noted

	the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA /EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Noted & Complying
12.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted
12.13	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
12.16	The Regional Office of this Ministry 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.	Noted
12.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Photographs of Pollution Control Equipment

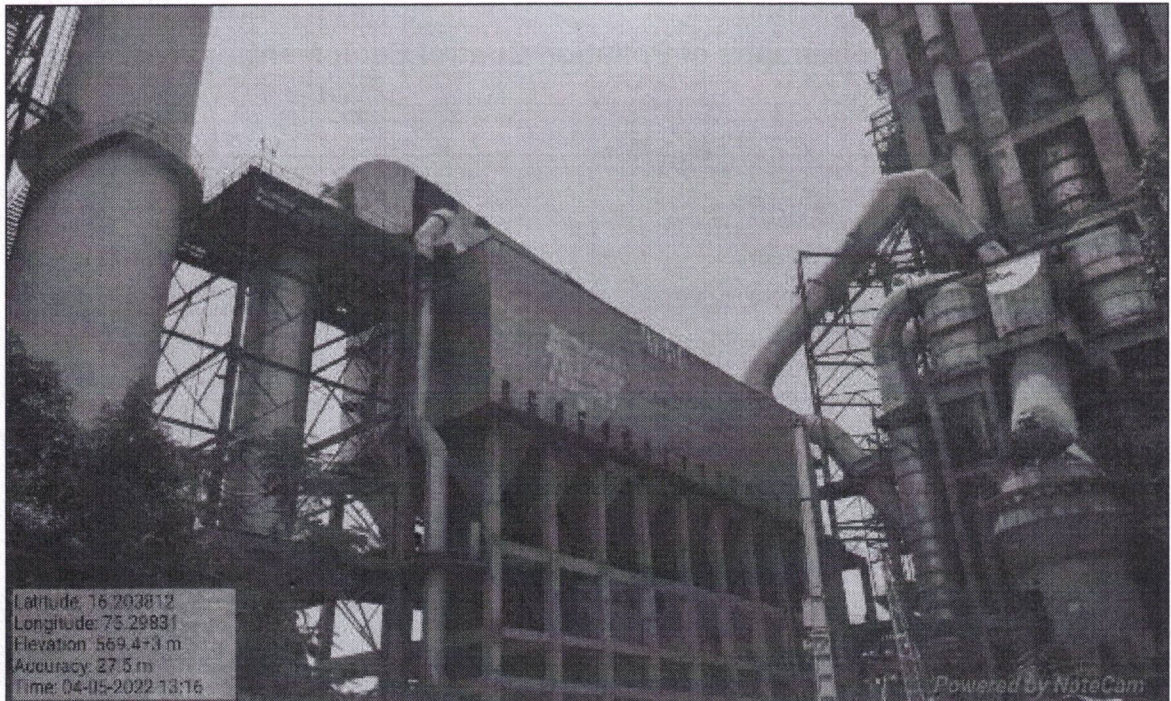


Cooler ESP

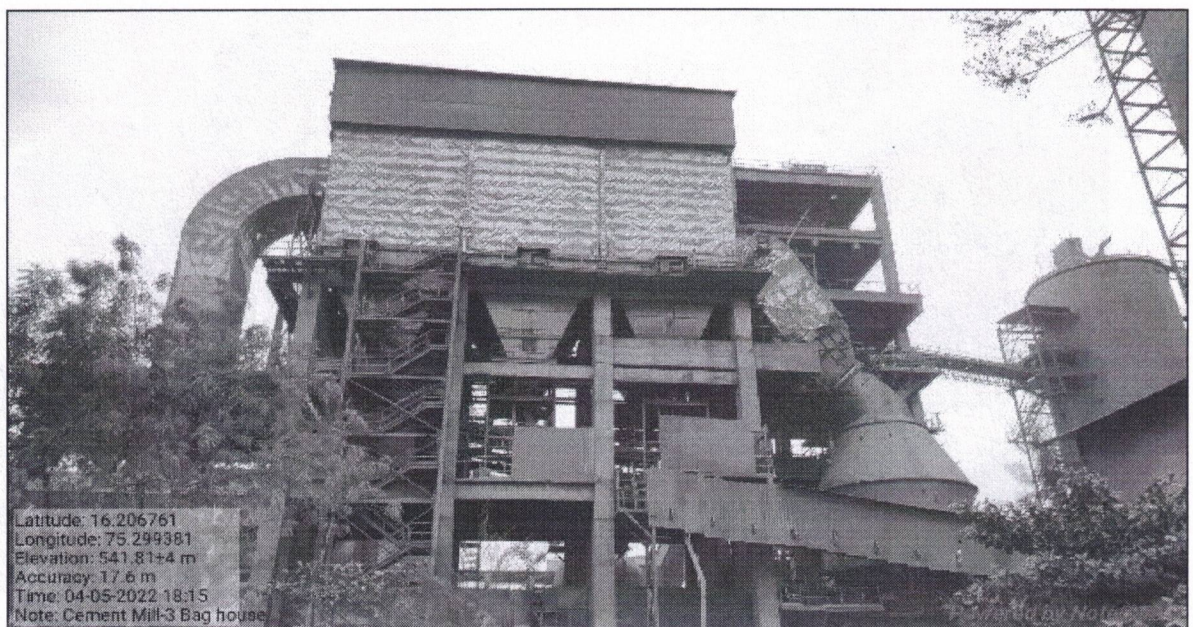


CPP ESP

**J K Cement Works, Muddapur
(Unit: J K Cement Ltd.,)**

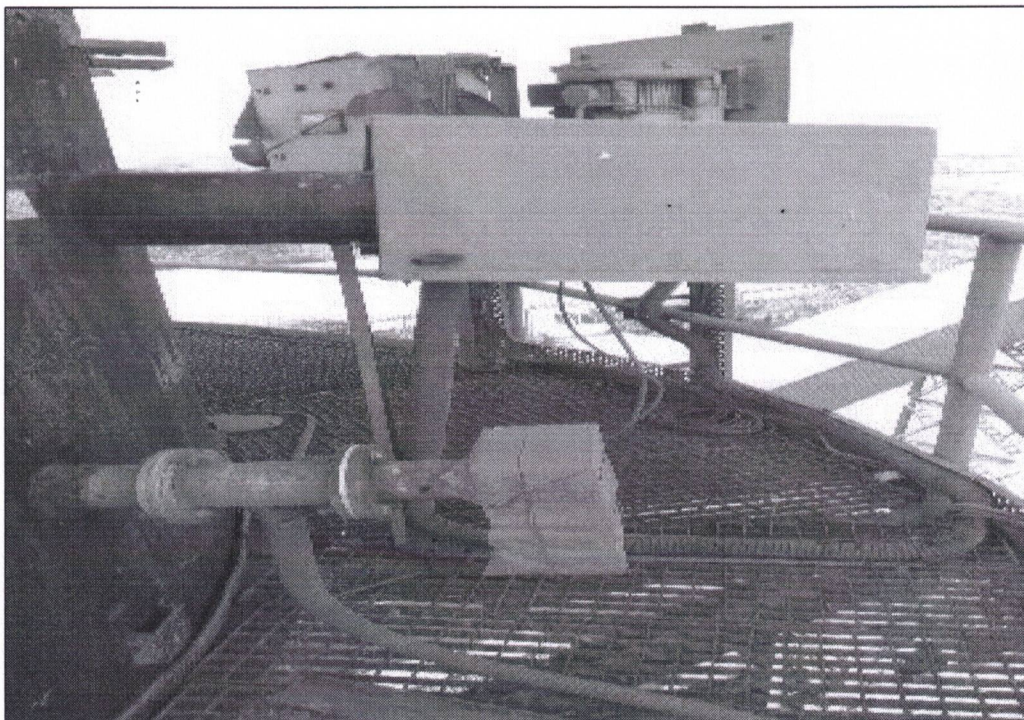


RABH at Raw mill / Kiln



Bag House at Cement Mill

Photographs of CEMS & CAAQMS

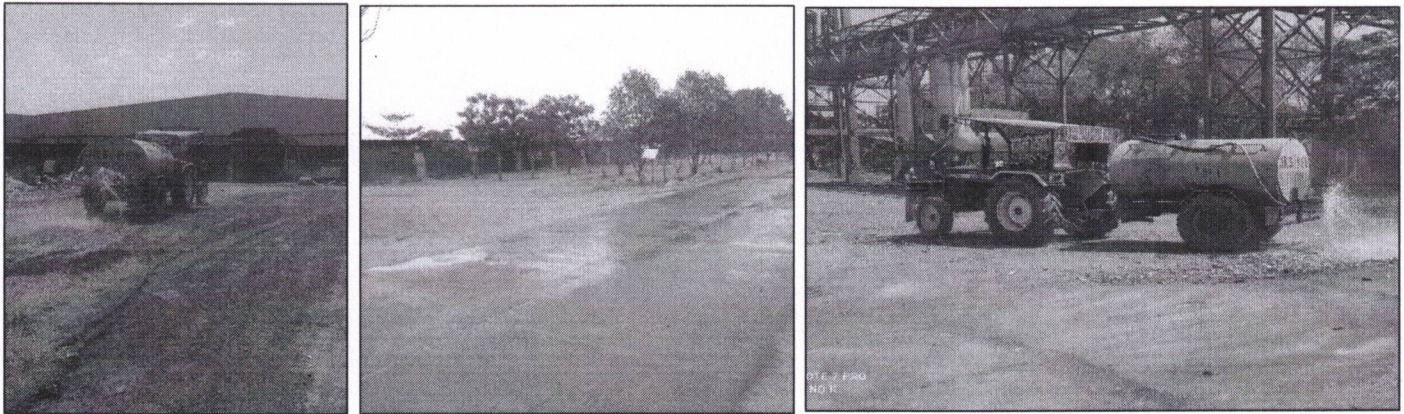


CEMS installed at Raw mill / Kiln

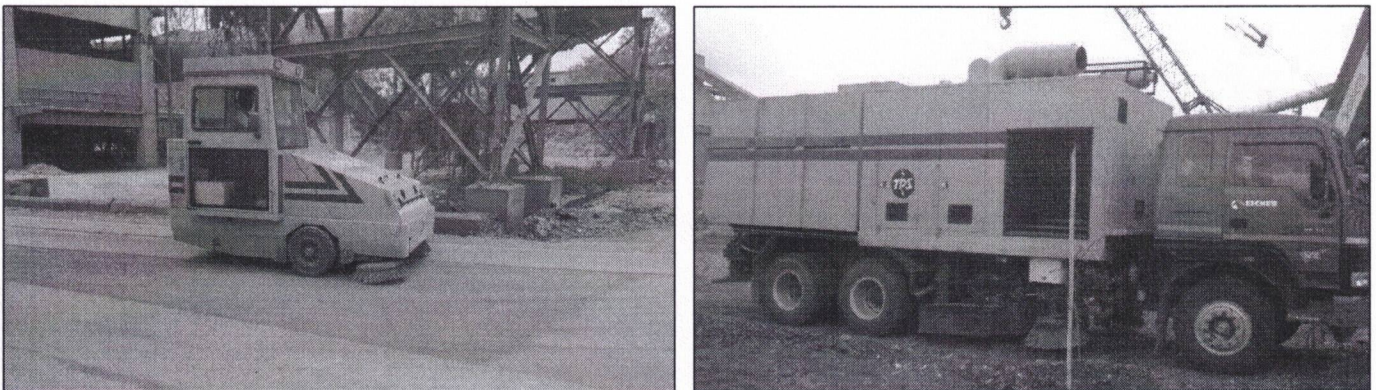


CAAQMS installed at Colony

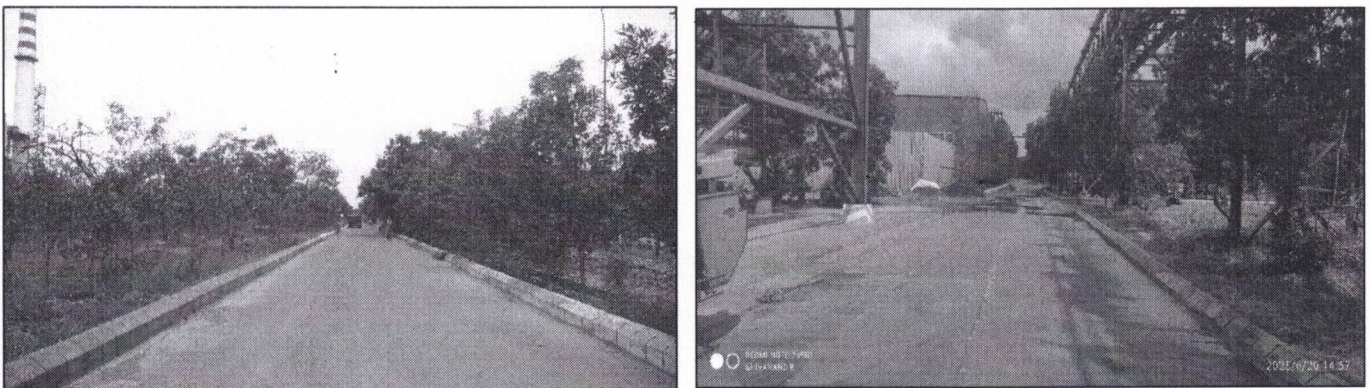
Photographs of Water Sprinkling, Road Sweeping Machines and Concrete Road



Water Sprinkling on Road



Vacuum Cleaning road Sweeping Machines



Concrete roads within plant Premises

J.K. Cement Works, Muddapur (Unit: J K Cement Ltd.)											Annexure-4
STP Water Analysis Report											
Sr. No.	Parameters	Unit	Results					Min.	Max.	Avg.	
			Oct-25	Nov-25	Dec-26	Jan-26	Feb-26	Mar-26			
1	pH	-	7.84	7.8	7.7	7.8	7.9	7.6	7.9	7.8	
2	Total Suspended Solids	mg/L	8.0	7.0	8.0	5.0	5.0	8.0	8.0	6.8	
4	BOD for 3 days at 27°C	mg/L	8.0	8.5	7.2	8.5	7.5	8.5	8.5	8.0	
5	COD as O ₂	mg/L	32.0	28.0	24.0	28.0	24.0	28.0	32.0	27.3	
6	Oil & Grease	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	-	-	
7	Fecal Coliform Count	CFU/100 ml	Absent	Absent	Absent	Absent	Absent	Absent	-	-	
Note: Monitoring done by MoEFCC recognized Lab											

Photographs of STP & ETP



STP installed at Plant



ETP installed at CPP

Quantity of Wastes Co-processed 2025-26

Hazardous Waste Co -Processed			
Sr. No.	Materials	Cat	Hazardous Co -Processed
1	SPENT CATALYST AND MOLECULAR SIEVES-1.6	1.60	-
2	SLUDGE & FILTRS CONTMINTED WITH OIL-3.3	3.30	0.01
3	OILY SLUDGE(HAZ CAT NO.4.1)	4.10	-
4	PFCC SPENT CATALYST(HAZ CAT NO.4.2)	4.20	-
5	SPENT CLAY (CAT NO.4.5)	4.50	-
6	WASTE RESIDUES CONTAINING OIL COTTON 5.2	5.20	97.78
7	PHOSPHATE SLUDGE 12.5	12.50	47.07
8	PLATING METAL SLUDGE-12.8	12.80	-
9	CONTAMINATED AROMATIC SOLVENTS LIQ 20.1	20.10	0.63
10	SPENT SOLVENTS (20.2) LIQUID	20.20	-
11	DISTILLATION RESIDUE-LIQUID-20.3	20.30	-
12	PROCESS SLUDGE 20.4	20.40	7.56
13	PROCESS WASTES, RESIDUES AND SLUDGE-21.1	21.10	615.16
14	SPENT SOLVENT-SOLID-21.2	21.20	0.66
15	WASTE/RESIDUES CAT. 23.1	23.10	1.28
16	PROCESS WASTE CAT 26.1	26.10	-
17	DUST FRM AIR FLT SYTMCAT.26.2	26.20	-
18	PROCESS RESIDUE AND WASTE LIQUID 28.1	28.10	27.66
19	PROCESS RESIDUE & WASTES-SOLID-28.1	28.10	482.98
20	SPENT CATALYST CATEGORY-28.2	28.20	-
21	SPENT CARBON CATEGORY 28.3	28.30	-
22	SPENT CARBON (CAT 28.3) –SOLID	28.30	122.47
23	OFF SPECIFICATION PRODUCTS-28.4	28.40	345.46
24	DATE EXPIRED PRODUCTS -28.5	28.50	128.21
25	SPENT ORGANIC LIQUID (CATEGORY 28.6)	28.60	-
26	SPENT ORGANIC SOLVENT (CATEGORY 28.6)	28.60	52.36
27	PROCESS RESIDUE (CAT 29.1) – LIQUID	29.10	10638.00
28	PROCESS RESIDUE (CAT 29.1) –SOLID	29.10	96.99
29	SLUDGE CONTAINING RESIDUAL PEST. (29.2)	29.20	746.89
30	BARREL/LINNER CHEM WAST(33.1)	33.10	101.02
31	CONTAMINATED COTONRAG OTHR CLNG MAT-33.2	33.20	23.86
32	CHEMICAL CONTAINING RESIDUE(34.1)	34.10	-
33	SLUDGE FROM WASTE WATER CATEGORY-34.2	34.20	-
34	EXHAUST GAS CLEANING RESIDUE (CAT 35.1)	35.10	14.21
35	ION EXCHANGE RESIN CATEGORY-35.2	35.20	5.15
36	LIQUID CETP SLUDGE 35.3	35.30	1226.36
37	DISTILLATION RESIDUES CATEGORY-36.1	36.10	-
38	FILTER MEDIUM 36.2	36.20	17.11
39	SLUDGE FROM WET. SCRUBBERS-37.1	37.10	-
40	ASH FROM INCINERATOR 37.2	37.20	-
41	EVAPORATION RESIDUE LIQUID (37.3)	37.30	-
42	EVAPORATION RESIDUE SOLID 37.3	37.30	5.67
43	MIX WASTE LIQUID-HCV	-	11.75
44	WASTE MIX LIQUID - LCV	-	19549.60
45	WASTE MIX SOLID		5088.77
	Total		39454.66

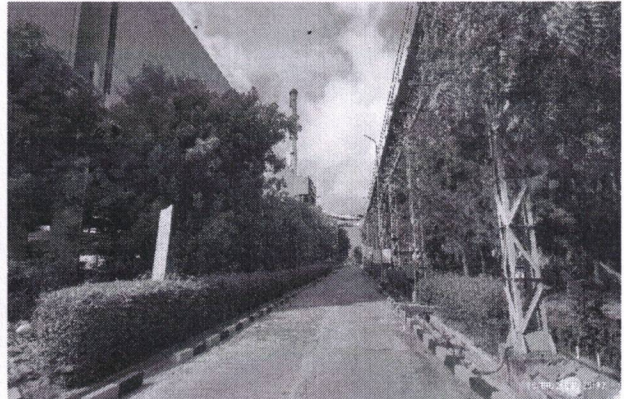
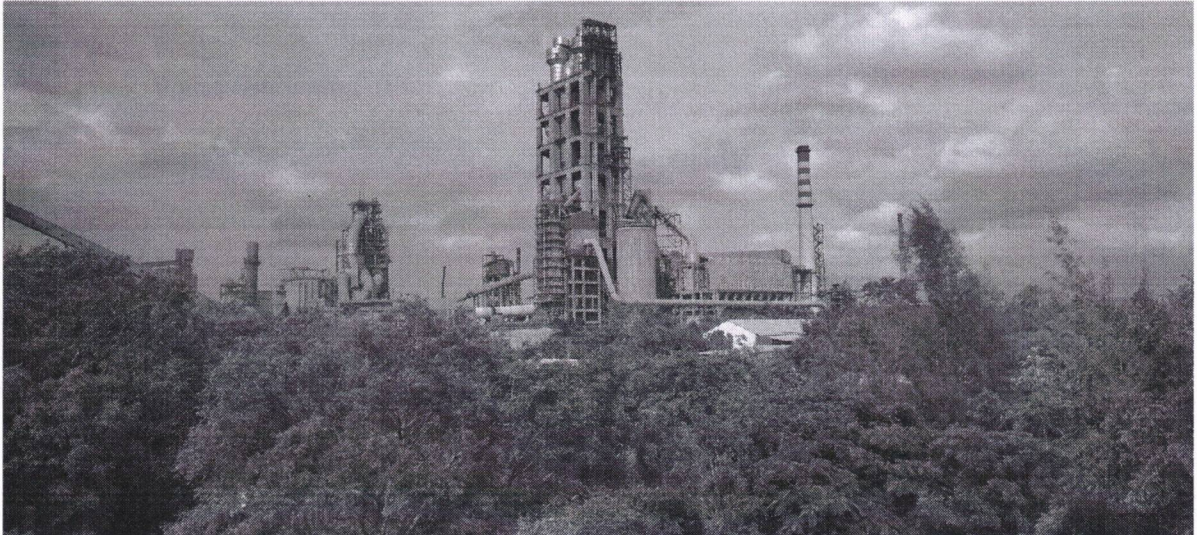
Quantity of Wastes Co-processed 2025-26

Non Hazardous Wastes Co -Processed		
Sr. No	Materials	Non Haz Co -Processed 2025-26
1	NON HAZARDOUS LIQUID WASTE	-
2	LOW CV PPF OIL	-
3	BBD LIQUID	-
4	BAGASSE	-
5	BIO. BRIQUETTES	-
6	CASHEW NUT- NON HAZARDOUS BIOMASS	-
7	GROUND NUT HUSK	-
8	PALM SHELL	-
9	RICE HUSK	230.09
10	SUPARI HUSK (AFR)	-
11	TUVAR HUSK	1705.27
12	WOOD BARK (BIOMASS)	48.88
13	GRAPES HUSK	149.14
14	AJWAIN WASTE AFR	211
15	DRY CHILLY WASTE	-
16	COCONUT COIR	5.45
17	COCO CHIPS	-
18	SUGAR CANE TRASH	96.16
19	SOYBEAN HUSK	34.25
20	AGRO WASTE	346.46
21	RDF	127799.68
22	BOILER ASH (NON-HAZARDOUS WASTE)	-
23	BBD- COCA COLA AFR	-
24	JK EPR PLASTIC CAT 2	-
25	JK EPR SHORTED MSW CAT 2	989.771
26	MULTI LAYERED PLASTIC"(MLP) WASTE	1780.055
27	NON HAZARDOUS MSW(MUNICIPAL SOLID WASTE)	83891.778
28	NON HAZARDOUS SOLID MIX WASTE	-
29	NON-HAZARDOUS SOLID WASTE	2142.761
30	OTHER PLASTIC WASTE	2262.105
31	PLASTIC WASTE EPR CLIENT	-
32	REJECT LENSE WASTE	42.72
33	REJECT POP MATERIAL	-
34	DMC SOLID NON HAZ WASTE	227.58
Total		221963.15

**J K Cement Works, Muddapur
(Unit: J K Cement Ltd.,)**

Annexure – 7

Photographs of Greenbelt and Plantation



J.K. Cement Works, Muddapur (Unit: J K Cement Ltd.)											Annexure-8
Stack Monitoring Report											
Sr. No.	Parameters	Unit	Results						Min.	Max.	Avg.
			Oct-25	Nov-25	Dec-26	Jan-26	Feb-26	Mar-26			
1	Raw mill / Kiln - PM	mg/Nm ³	21.8	SD	21.8	21.4	18.7	16.0	16.0	21.8	19.9
2	Raw mill / Kiln - SO ₂	mg/Nm ³	13.1	SD	14.5	18.1	16.4	12.2	12.2	18.1	14.8
3	Raw mill / Kiln - NO _x	mg/Nm ³	329.1	SD	337.6	323.7	313.3	316.4	313.3	337.6	324.0
4	Coal Mill - PM	mg/Nm ³	25.3	SD	22.5	24.7	22.8	20.9	20.9	25.3	23.2
5	Cooler - PM	mg/Nm ³	17.5	SD	19.8	18.8	21.8	18.7	17.5	21.8	19.3
6	CM-1 - PM	mg/Nm ³	20.3	26.1	25.7	19.85	24.2	22.1	19.9	26.1	23.0
7	CM-2 - PM	mg/Nm ³	SD	25.7	23.9	26.6	19.1	21.1	19.1	26.6	23.3
8	CM-3 - PM	mg/Nm ³	27.6	23.3	17.6	17.8	21.6	22.7	17.6	27.6	21.8
Note: Monitoring done by MoEFCC recognized Lab SD*- Plant Shut-down											

Annexure-9											
J.K. Cement Works, Muddapur (Unit: J K Cement Ltd.)											
AAQ Monitoring Report											
Sr. No.	Locations	Parameters	Unit	Results					Min.	Max.	Avg.
				Oct-25	Nov-25	Dec-25	Jan-26	Feb-26			
1	Admin Building	PM10	µg/m3	58	65.0	74.0	61.0	77.0	51.0	77.0	64.3
		PM2.5	µg/m3	24	23.0	30.0	17.0	30.0	14.0	30.0	23.0
		SO2	µg/m3	9.82	12.3	15.2	9.2	14.9	6.1	15.2	11.2
		NO2	µg/m3	16.48	21.8	27.1	20.3	26.1	11.6	27.1	20.5
2	Guest House	PM10	µg/m3	63.0	68.0	67.0	58.0	60.2	58.0	68.0	63.5
		PM2.5	µg/m3	27.0	25.0	25.0	15.0	19.0	15.0	27.0	22.8
		SO2	µg/m3	10.9	13.1	12.7	7.2	9.3	7.2	13.1	10.9
		NO2	µg/m3	20.5	22.1	24.2	16.7	16.5	16.5	24.2	20.5
3	D-Block	PM10	µg/m3	46.0	75.0	65.0	59.0	54.0	46.0	75.0	61.3
		PM2.5	µg/m3	11.0	28.0	23.0	12.0	15.0	11.0	28.0	19.2
		SO2	µg/m3	6.9	14.2	11.6	6.5	7.8	6.5	14.2	9.7
		NO2	µg/m3	10.4	25.1	22.1	14.2	14.5	10.4	25.1	17.9
4	Near weigh bridge	PM10	µg/m3	50.0	72.0	72.0	77.0	57.0	50.0	77.0	66.2
		PM2.5	µg/m3	13.0	27.0	28.0	29.0	17.0	13.0	29.0	23.8
		SO2	µg/m3	5.9	13.9	14.1	15.4	8.4	5.9	15.4	11.8
		NO2	µg/m3	10.4	24.4	26.6	28.2	15.3	10.4	28.2	21.8
Note: Monitoring done by MoEFCC recognized Lab											

J K Cement Works, Muddapur (Unit: J.K. Cement Ltd.)																		Annexure-10	
Ambient Noise Monitoring Report																			
Sl. No.	Location Name	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26		Minimum		Maximum		Average	
		Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq
1	Boundary side	59.1	57.9	69.4	67.5	51.2	48.5	48.0	46.5	44.7	42.3	48.1	46.5	44.7	42.3	69.4	67.5	53.4	51.5
2	Near Administrative Building	56.1	54.2	57.3	55.4	56.4	53.2	51.6	50.4	48.4	45.6	55.1	53.5	48.4	45.6	57.3	55.4	54.2	52.1
3	Lime Stone Crusher Gate	66.0	64.2	63.4	60.9	66.6	63.5	67.8	66.4	54.7	52.4	66.6	64.5	54.7	52.4	67.8	66.4	64.2	62.0
4	Near logistic Gate	54.5	52.4	66.7	64.3	62.2	60.3	64.3	62.3	56.5	53.6	59.9	57.4	54.5	52.4	66.7	64.3	60.7	58.4
5	Near QC Lab.	62.3	60.6	65.8	62.3	51.9	48.7	57.2	54.6	59.6	56.5	50.6	48.9	50.6	48.7	65.8	62.3	57.9	55.3
6	Near plant canteen	64.4	62.3	54.0	52.3	52.3	50.5	62.9	60.4	51.6	49.7	55.3	53.4	51.6	49.7	64.4	62.3	56.7	54.8
7	Plant main gate	64.7	62.8	57.9	55.4	71.4	68.5	62.3	60.2	62.3	60.9	60.2	58.5	57.9	55.4	71.4	68.5	63.1	61.1
8	Plant General Store	69.6	67.4	55.4	52.4	57.2	55.4	62.9	60.8	65.7	63.5	63.5	60.5	55.4	52.4	69.6	67.4	62.4	60.0
Note: Monitoring done by MoEFCC recognized Lab																			

J K Cement Works, Muddapur

(Unit: J K Cement Ltd.)

Workzone Noise Monitoring Report

Sl. No.	Location Name	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Minimum	Maximum	Average
		(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq	(dB) Leq
1	Lime Stone Crusher	57.3	63.4	67.8	71.3	54.7	66.6	54.7	71.3	63.5
2	Kiln/ Cooler	56.0	57.8	50.3	59.0	62.6	55.4	50.3	62.6	56.8
3	Kiln Platform	70.5	61.3	54.1	71.0	65.0	66.4	54.1	71.0	64.7
4	Coal Yard	67.1	65.3	68.5	64.6	66.3	57.6	57.6	68.5	64.9
5	Slag yard	71.6	64.4	69.8	63.6	55.9	66.1	55.9	71.6	65.2
6	Gypsum yard	59.3	62.4	60.1	62.3	58.5	66.1	58.5	66.1	61.4
7	Raw mill proportioning hopper	58.0	68.7	70.1	69.5	60.1	58.4	58.0	70.1	64.1
8	Coal mill	70.6	61.3	62.4	56.9	58.4	56.5	56.5	70.6	61.0
9	CM-1 weigh feeder	68.9	66.6	53.6	61.5	66.0	61.5	53.6	68.9	63.0
10	Slag Mill weigh feeder	53.2	58.1	67.3	67.8	71.8	62.2	53.2	71.8	63.4
11	Cement silo Packer-2	75.0	71.0	64.0	70.9	71.7	75.0	64.0	75.0	71.3
12	Truck Loading point- 2	76.9	78.7	75.3	77.9	78.6	75.3	75.3	78.7	77.1

Note: Monitoring done by MoEFCC recognized Lab



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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 ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट हाउस एलएलपी

(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.
ಕೆಒಐಐ ಎಐಐಐ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕೆಒಬರ್ಗಿ 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	BTHLLP2025005780-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5780	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	Coal Yard
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	08:50 am to 04:50 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	0.227	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:

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- Sample(S) not drawn by us unless stated.
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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) न्यु दिल्ली.

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

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

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BTHLLP / GEN / F / 26 / 02 / 00

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005779-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5779	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	Slag Yard
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	08:30 am to 04:30 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	0.188	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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ಬೆಳಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

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

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(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.

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BTHLLP / GEN / F / 26 / 02 / 00

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005771-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5771	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	Lime stone Unloading Hopper
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	08:45 am to 04:45 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	0.293	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:

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बेलगांव टेस्ट हाउस एलएलपी

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

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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005778-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5778	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	Gypsum Yard
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	08:20 am to 04:20 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	0.287	IS 5182 (P4)

Reviewed by
(Vinayak S Nalk),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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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 ಎರಿಯಾ, 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	BTHLLP2025005781-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5781	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	Packing Plant
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	09:00 am to 05:00 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	0.196	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವರಣ (ಸಂರಕ್ಷಣ) ಅಧಿನಿಯಮ, 1986 ಅನುಭಾಗ 12 ಕೆಳಗೆ ಮನ್ನತೆ ಪಡೆದ ಪ್ರಯೋಗಶಾಲಾ) 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



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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005782-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/WW/25/12/5782	ULR Number	TC147352500005782F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	STP Untreated water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	STP Plant, Near admin office	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 02		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result
1.	pH	APHA 4500 H+B	--	7.48
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	130
3.	Chemical Oxygen Demand	APHA 5220 B	mg/L	400
4.	Total Nitrogen	APHA 4500- N C	mg/L	4.8
5.	Total Suspended Solids	APHA 2540 D	mg/L	44
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1454
7.	Ammonical Nitrogen	APHA 4500 NH3 C	mg/L	2.52
8.	Phosphate	APHA 4500 P D	mg/L	2.4

Note: BOD: Biochemical Oxygen Demand.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti)
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

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बेलगांव टेस्ट हाउस एलएलपी

(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 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	BTHLLP2025005770-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5770	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	Cement Mill
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	08:40 am to 04:40 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	0.283	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:

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2. Sample(S) not drawn by us unless stated.
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6. Complaint register is available at the laboratory at the reception.



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बेलगांव टेस्ट हाउस एलएलपी

(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



TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005765-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5765	ULR Number	TC1473525000005765F
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	Stack emission	Monitoring location	Raw Mill / Kiln
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C): 29	Stack temperature (°C): 168	Velocity (m/s): 8.64
	Cross section area (m ²): 29.210	Quantity of flue gas discharged into atmosphere (Nm ³ /h): 622405.42	Diameter (m): 6.1
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm ³	21.76	30
Oxides of Nitrogen as NO ₂	IS: 11255, part 7	mg/Nm ³	337.58	800
Sulphur dioxide	IS: 11255, part 2	mg/Nm ³	14.48	100

INFERENCE

As per KSPCB Tolerance Limits,
Report Status: - The measured values for the above parameter for those standard have been specified within the said 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.
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ಬೆಳಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ
(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(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 ಎರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

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

TEST REPORT

BTHLLP / GEN / F / 26 / 02 / 00

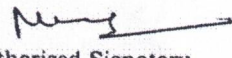
ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005772-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5772	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	Lime stone Crushing 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	08:10 am to 04:10 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	0.324	IS 5182 (P4)


Reviewed by
(Vinayak S Naik),
Senior Analyst


Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವರಣ (ಸಂರಕ್ಷಣ) ಅಧಿನಿಯಮ, 1986 ಅನುಭಾಗ 12 ಕ್ಕಿ ಧಾರಾ ಮಾನ್ಯತಾ ಪ್ರಾಪ್ತ ಪ್ರಯೋಗಶಾಲಾ) ನ್ಯು ದಿಲ್ಲಿ.

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

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TEST REPORT

BTHLLP / GEN / F / 26 / 02 / 00

ANALYSIS REPORT OF FUGITIVE EMISSION MONITORING

Test report Number	BTHLLP2025005773-1	Test report issue date	02.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5773	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	Fly Ash Yard
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	08:15 am to 04:15 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	0.247	IS 5182 (P4)

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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(ಪರಿವರದಿ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲವು 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

ಬೆಲಗಾವಿ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವರಣ (ಸಂರಕ್ಷಣ) ಅಧಿನಿಯಮ, 1986 ಅನುಬಂಧ 12 ಕೆಳಗೆ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನ್ಯು ದೆಹಲಿ.

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



TC-14735

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TEST REPORT

BTHLLP/GEN/F/25/02/00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005714-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5714	ULR Number	TC1473525000005714F
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	Near Admin Building
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 - 08:10am
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	74	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	30	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	15.21	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	27.08	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/m ³	14.33	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/m ³	1.28	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/m ³	36.71	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	4.93	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

End of Test Report

Concern towards protecting Environment

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ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರ्याವರಣ (ಸಂರಕ್ಷಣೆ) ಅಧಿನಿಯಮ, 1986 ಅನುಬಾಗ 12 ಕೆಲಸ ಮಾನ್ಯತೆ ಪ್ರಾಪ್ತ ಪ್ರಯೋಗಾಲಯ) ನ್ಯು ದೆಹಲಿ.

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

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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	BTHLLP2025005715-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5715	ULR Number	TC1473525000005715F
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	Near Weigh Bridge
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	8:20 am - 08:20am
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	72	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	28	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	14.10	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	26.62	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/m ³	13.67	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/m ³	1.21	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/m ³	35.53	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	5.94	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m ³	0.01	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:

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ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಲಿಮಿಟೆಡ್

(ಪರಿಶೀಲಿತ (ಸಂರಕ್ಷಣಾ) ಅಧಿನಿಯಮ, 1986 ಅನ್ವಯ 12 ನೇ ಭಾಗ ಮನ್ಯತಾ ಪಾತ್ರ ಪ್ರಯೋಗಾಲಯ) ನ್ಯು ದೆಹಲಿ.

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



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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005717-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5717	ULR Number	TC1473525000005717P
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	D Quarters
Particulars of sample collected	Monitored through Respirable Dust Sampler APM 460NL, Gaseous Sampler APM 411TE and Fine Particulate Sampler APM 550 and Ozone BTH/lms/CO/01	Date of receipt of sample	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of start of analysis	29.12.2025
Date of Monitoring	27.12.2025 to 28.12.2025	Date of completion of analysis	03.01.2026
Discipline	Chemical	Reference to sampling procedure	BTHLLP/QSP/19
Group	Atmospheric Pollution	Time/ duration of sampling	08:50 am - 08:50am
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	65	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	23	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	11.63	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	22.12	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/ m ³	10.10	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/ m ³	0.91	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/ m ³	31.42	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	10.29	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/ m ³	0.01	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

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बेलगांव टेस्ट हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) नु 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



TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULT TABLE

Test report Number	BTHLLP2025005716-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/A/25/12/5716	ULR Number	TC1473525000005716F
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	Guest House
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	08:40 am - 08:40am
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	67	100	IS: 5182 (Part 23)
2.	Particulate Matter (PM _{2.5})	µg/ m ³	25	60	IS: 5182 (Part 24)
3.	Sulphur dioxide (SO ₂)	µg/ m ³	12.69	80	IS: 5182 (Part 2)
4.	Nitrogen dioxide (NO ₂)	µg/ m ³	24.20	80	IS: 5182 (Part 6)- 1st rev
5.	Ammonia (NH ₃)	µg/m ³	11.14	400.0 (24 hr Average)	IS: 5182 (Part 25)
6.	Carbon Monoxide (CO)	mg/m ³	1.03	4.0 (1 hr Average)	IS: 5182 (P 10)
7.	Ozone (O ₃)	µg/m ³	32.01	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	6.19	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m ³	0.01	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

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बेलगांव टेस्ट हाउस एलएलपी

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005759-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5759	ULR Number	TC1473525000005759F
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	Stack emission	Monitoring location	Coal Mill 50 TPH
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C): 28 Cross section area (m²): 2.543	Stack temperature (°C): 183 Quantity of flue gas discharged into atmosphere (Nm³/h): 57301.86	Velocity (m/s): 9.48 Diameter (m): 1.8 Dust emission rate of PM (Kg/hr): 1.289
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm³	22.49	30

INFERENCE	As per KSPCB Tolerance Limits, Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.
-----------	--

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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

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



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TEST REPORT

BTHLLP/GEN/F/25/02/00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005760-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5760	ULR Number	TC1473525000005760F
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	Stack emission	Monitoring location	Crusher mill
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C): 26	Stack temperature (°C): 151	Velocity (m/s): 8.96
	Cross section area (m ²): 1.130	Quantity of flue gas discharged into atmosphere (Nm ³ /h): 25726.09	Diameter (m): 1.2
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm ³	24.08	30

INFERENCE	As per KSPCB Tolerance Limits, Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.
-----------	--

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005761-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5761	ULR Number	TC1473525000005761F
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	Stack emission	Monitoring location	Cement Mill - 01
Particulars of sample collected	Monitored through VSS-1 sampler	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, Kainbargi Industrial Area, Autonagar, Belgaum 590015	Reference to sampling procedure	BTHLLP/QSP/19
Date of Monitoring	27.12.2025 to 28.12.2025		
General Details	Ambient temperature (°C):28	Stack temperature (°C): 173	Velocity (m/s):9.47
	Cross section area (m²): 1.227	Quantity of flue gas discharged into atmosphere (Nm³/h): 28209.48	Diameter (m):1.25
Discipline	Chemical-Atmospheric Pollution		Dust emission rate of PM (Kg/hr):0.724
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm³	25.66	30

INFERENCE	As per KSPCB Tolerance Limits, Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.
-----------	--

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP/GEN/F/25/02/00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005762-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5762	ULR Number	TC1473525000005762F
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	Stack emission	Monitoring location	Cement Mill - 02
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C): 28	Stack temperature (°C):169	Velocity (m/s): 9.60
	Cross section area (m ²): 1.227	Quantity of flue gas discharged into atmosphere (Nm ³ /h): 28866.55	Diameter (m):1.25
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm ³	23.85	30

INFERENCE As per KSPCB Tolerance Limits,
Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005763-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5763	ULR Number	TC1473525000005763F
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	Stack emission	Monitoring location	Cement Mill - 03
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C):30	Stack temperature (°C):182	Velocity (m/s): 8.97
	Cross section area (m²): 10.747	Quantity of flue gas discharged into atmosphere (Nm³/h):230978.44	Diameter (m):3.70
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm³	17.62	30

INFERENCE	As per KSPCB Tolerance Limits, Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.
-----------	--

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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(ಪರಿಸರ (ಸಂರಕ್ಷಣೆ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲಸ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.
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Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕೆಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015



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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

STACK EMISSION MONITORING RESULTS

Test report Number	BTHLLP2025005764-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/SE/25/12/5764	ULR Number	TC1473525000005764F
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	Stack emission	Monitoring location	Clinker cooler ESP
Particulars of sample collected	Monitored through VSS-1 sampler	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		
General Details	Ambient temperature (°C):30	Stack temperature (°C):186	Velocity (m/s):8.88
	Cross section area (m ²): 12.560	Quantity of flue gas discharged into atmosphere (Nm ³ /h):264908.78	Diameter (m):4.0
Discipline	Chemical-Atmospheric Pollution		
Group	Stack emission		
Page No	1 of 1		
Amendment No & date	--		

RESULT TABLE

Parameters	Protocol	Unit	Result	Tolerance Limit
Particulate Matter	IS: 11255, part 1	mg/Nm ³	19.83	30

INFERENCE	As per KSPCB Tolerance Limits. Report Status: - The measured values for the above parameter for those standard have been specified within the said standards.
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Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005784-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/WW/25/12/5784	ULR Number	TC1473525000005784F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	STP untreated water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	STP Treatment Plant (200 KLD) Colony	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 02		
Amendment No & date	--		

RESULT TABLE

Sl No	Parameters	Test Method	Unit	Result
1.	pH	APHA 4500 H+B	--	7.90
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	50
3.	Chemical Oxygen Demand	APHA 5220 B	mg/L	160
4.	Total Nitrogen	APHA 4500- N C	mg/L	18.4
5.	Total Suspended Solids	APHA 2540 D	mg/L	29
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1568
7.	Ammonical Nitrogen	APHA 4500 NH3 C	mg/L	12.3
8.	Phosphate	APHA 4500 P D	mg/L	5.8

Note: BOD: Biochemical Oxygen Demand.

INFERENCE

As per Tolerance Limit (KSPCB Norms), the measured values for the above parameters are within the standards.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti)
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005784-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/WW/25/12/5784	ULR Number	TC1473525000005784F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	STP untreated water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	STP Treatment Plant (200 KLD) Colony	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Biological		
Group	Pollution and Environment		
Page No	02 of 02		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result
1.	Faecal coliforms	APHA 9221 E	MPN / 100ml	79

Reviewed by
(Arjun Terdal),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar)
Senior Analyst

End of Test Report

Concern towards protecting Environment

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

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

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005785-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/WW/25/12/5785	ULR Number	TC147352500005785F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	STP Treated water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	STP Treatment Plant (200 KLD) Colony	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 02		
Amendment No & date	--		

RESULT TABLE

SL No	Parameters	Test Method	Unit	Result	Tolerance Limit
1.	pH	APHA 4500 H+B	--	7.74	6.5-9.0
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	7.2	10
3.	Chemical Oxygen Demand	APHA 5220 B	mg/L	24	50
4.	Total Nitrogen	APHA 4500- N C	mg/L	2.8	10
5.	Total Suspended Solids	APHA 2540 D	mg/L	8	10
6.	Total Dissolved Solids	APHA 2540 C	mg/L	873	Not Specified
7.	Ammonical Nitrogen	APHA 4500 NH3 C	mg/L	0.56	5
8.	Phosphate	APHA 4500 P D	mg/L	BDL	2

Note: BOD: Biochemical Oxygen Demand.

INFERENCE	As per Tolerance Limit (KSPCB Norms), the measured values for the above parameters are within the standards.
-----------	--

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti)
Senior Analyst

End of Test Report

Concern towards protecting Environment

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Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
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BTHLLP/GEN/F/25/02/00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005785-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/JKCW/WW/25/12/5785	ULR Number	TC1473525000005785F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	STP Treated water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	STP Treatment Plant (200 KLD) Colony	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Biological		
Group	Pollution and Environment		
Page No	02 of 02		
Amendment No & date	--		

RESULT TABLE

SL No	Parameters	Test Method	Unit	Result	Tolerance Limit
2.	Faecal coliforms	APHA 9221 E	MPN / 100ml	58	< 230

INFERENCE

As per Tolerance Limit (KSPCB Norms), the measured values for the above parameter is within the standard.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(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 ಎರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015



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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2025005786-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/SFSH/WW/25/12/5786	ULR Number	TC1473525000005786F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	ETP Untreated Water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	ETP Plant, Grab sampling	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result
1.	pH value	APHA 4500H+ B	--	10.20
2.	Temperature	APHA 2550B	°C	25.2
3.	Total Suspended Solids	APHA 2540 D	mg/L	10
4.	Oil and Grease	APHA 5520 B	mg/L	BDL
5.	Total Dissolved Solids	APHA 2540 C	mg/L	1824

BDL: Below Detectable Limit.

Reviewed by
(Vinayak S Naik),
Senior analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior analyst

End of Test Report

Concern towards protecting Environment

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

ಬೆಲಗಾಂವ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(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, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590 015



P : 0831-3569022

M : 7899818373, 9902824295

E-mail : belgaumtesthouse@gmail.com

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

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2025005787-1	Test report issue date	03.01.2026
Sample code Number	BTHLLP/SFSH/WW/25/12/5787	ULR Number	TC1473525000005787F
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	JKCEM/PUR/AJ-03 Dated:23.08.2025
Name of the sample	ETP Treated Water	Date of receipt of sample	29.12.2025
Sampling location & method of sampling	ETP Treated Plant, Grab sampling	Date of start of analysis	29.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	Date of completion of analysis	03.01.2026
Date of sampling	27.12.2025 to 28.12.2025	Reference to sampling procedure	BTHLLP/QSP/19
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance limits
1.	pH value	APHA 4500H+ B	--	8.43	5.5 to 9.0
2.	Temperature	APHA 2550B	°C	25	-
3.	Total Suspended Solids	APHA 2540 D	mg/L	5	100
4.	Oil and Grease	APHA 5520 B	mg/L	BDL	10
5.	Total Dissolved Solids	APHA 2540 C	mg/L	1029	Not Specified

BOD - Biological Oxygen Demand, BDL: Below Detectable Limit.

INFERENCE	As per KSPCB prescribed standard, Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.
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Reviewed by
(Vinayak S Naik),
Senior analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior analyst

End of Test Report

Concern towards protecting Environment

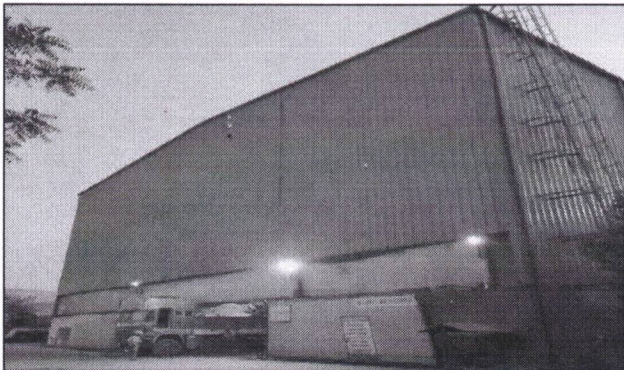
Note:

- 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.

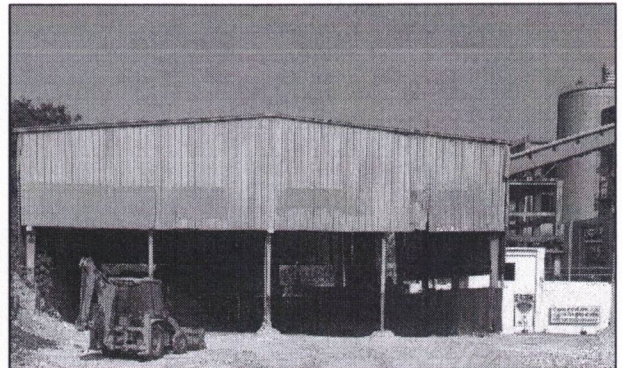
Photographs of Closed Conveyors & Covered Storage Shed



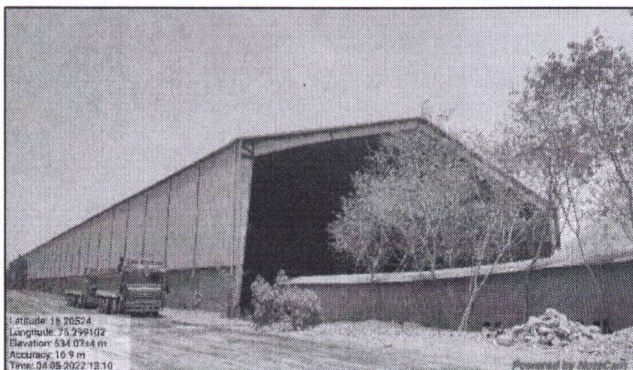
Closed Conveyor System



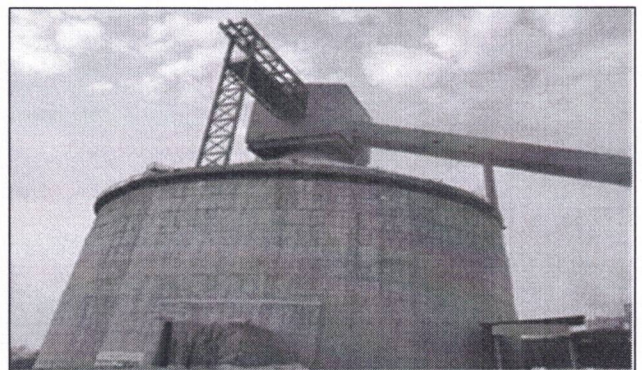
Closed AFR Storage Shed



Closed Gypsum Storage Shed



Closed Coal Storage Shed



Closed Clinker Storage Silo



Karnataka Ground Water Authority

K.S.F.C Bhavan, Thimmaiah Road, Bengaluru- 560052, Karnataka.

E-mail: gwdkar@gmail.com, Ph No: 080-22268732

No: KGWAN1854669818

Dated : 26-10-2024

NO OBJECTION CERTIFICATE - FORM 3 A RULE(6)

Permission For Digging/Drilling A Well/ Borewell/ Extraction Of Groundwater For Industrial/ Commercial/ Entertainment Or Other Use

M/s JK Cement Ltd

JK Cement Muddapur works, unit JK Cement ltd., Mudhol Taluka,
Bagalkot Dt, Karnataka



Above Person/Company is permitted for extraction of groundwater at below mentioned location(s):

SL NO.	LOCATION
1	139/1, Muddapur , Mudhol taluk
2	132/1, Muddapur, Mudhol taluk
3	132/1, Muddapur, Mudhol taluk
4	132/1, Muddapur, Mudhol taluk
5	137, Muddapur, Mudhol taluk

From (5) Bore Wells For Industry Use, Subject To The Following Conditions :-

- ❖ The firm may abstract 800 m3/day (not exceeding 292000 m3/year) of groundwater through (5) bore wells only. No additional groundwater abstraction structures to be constructed for this purpose without prior approval of the KGWA.
- ❖ This NOC is valid for 3 years from the date of issue of this letter.
- ❖ As per the categorization of taluks, Mudhol taluk in Bagalkot district fall under Critical taluk category. Hence, the Groundwater Abstraction/Restoration Charges to be paid is Rs.4800 per day.
- ❖ The Firm at its own cost shall install piezometer/s, at suitable locations and execute groundwater regime monitoring programme in and around the project area on regular basis in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalkot District.

NO. OF PIEZOMETERS	MONITORING MECHANISM		
	MANUAL	DWLR	DWLR WITH TELEMTRY
2	0	1	1

- ❖ The firm shall submit the water audit report to KGWA through certified auditors within One year of issue of NOC for more than 100KLD Ground water users.
- ❖ The well should not be used for drawing water for any other use other than applied for.
- ❖ The withdrawal of water should be better managed to avoid wastage of water
- ❖ The utilized water should be recycled and reused after necessary treatment
- ❖ The construction of rain water harvesting structures in the vicinity of the well/ bore well shall be as per the technical opinion of Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalkot District.
- ❖ The utilization of water will be subject to the regulation from time to time based on the extraction of water from the well/bore well
- ❖ The pollution of groundwater resources should be avoided
- ❖ Water meter has to be installed and data on groundwater draft is to be maintained and submitted every month to the Authority concerned. The groundwater quality to be monitored twice in a year during pre-monsoon and post monsoon periods.
- ❖ M/s JK Cement Ltd shall, in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalkot District, implement groundwater recharge measures for augmenting the groundwater resources of the area.
- ❖ The photographs of the recharge structures after completion of the same are to be furnished immediately to the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalkot District, for verification.
- ❖ The abstraction/restoration charges should be deposited to the Karnataka Groundwater Authority account in the form of DD / Cash.
- ❖ The groundwater monitoring data in respect of Point No. 4 & 12 to be submitted to Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalkot District on regular basis at least once in a

- year.
- ❖ The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in Point No. 1 to 15.
 - ❖ The Karnataka Groundwater (Regulation for Protection of Sources of Drinking Water) Act, 1999 should be followed scrupulously.
 - ❖ This NOC is subject to prevailing Central/State Government rules /laws or Court orders related to construction of bore well/ groundwater withdrawal /construction of recharge or conservation structures /discharge of effluents or any such matter as applicable.
 - ❖ This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.

BANK ACCOUNT DETAILS ARE GIVEN BELOW

Bank	: CANARA BANK
Account Holder	: CHAIRMAN, KGWA
Account No	: 0788201052332
IFSC	: CNRB0000788
Account Type	: CURRENT ACCOUNT

- ❖ It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will vary from permitted quantity. The company should make alternate arrangements for the reducing quantity for sustaining their industrial activity by means of availing water through local bodies or using the urban waste water after proper treatment.
- ❖ The fee that will be levied by the government for the groundwater usage is applicable from the date such orders are issued by the government.
- ❖ The firm is bound to obey the directions of NGT/ court orders that are existing and that may be laid down in future in matters related to Groundwater withdrawal.
- ❖ ADDITIONAL CONDITIONS : 1)M/s. JK Cement Ltd is permitted to abstract 800 m3/day (not exceeding 292000 m3/year) of groundwater through Five(05) bore wells for Domestic and Industrial purpose in Industry category only. No additional groundwater abstraction structures to be constructed for this purpose without prior approval of the KGWA. 2)This NOC is valid for Three years from 30.03.2024 to 29.03.2027. 3)As per the categorization of taluks, Mudhol taluk in Bagalakote district fall under Semi-critical taluk category. Hence, the Groundwater Abstraction Charges to be paid is Rs.2400 per day at the rate of Rs-3.00 per KLD. 4)The Firm at its own cost shall install Two piezometers, at suitable locations and execute groundwater regime monitoring programme in and around the project area on regular basis in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bagalakote District. 5)The firm shall submit the water audit report through certified auditors within one year of completion of the same to KGWA. 6)Audit report should be submitted within three months from the date of issue of NOC. 6)Firm take necessary action to extracted quantity of groundwater will be recharge to the ground through rainwater harvesting structure in and around the plant premises. 7) The above additional conditions prevail with reference to annual groundwater extraction limit, NOC validity, Purpose, abstraction charges to be paid and monitoring piezometer.

This NOC has been issued as per the proceedings drawn from the meeting held under the Chairmanship of Deputy Commissioner, District Groundwater Committee, Bagalkot District on 05-09-2024 and the proceedings drawn from the Karnataka Groundwater Authority meeting held under the Chairmanship of Secretary & Chairman, Minor Irrigation and Groundwater Development Department and Karnataka Groundwater Authority on 24.09.2024..

To,

M/S JK Cement Ltd

**JK Cement Muddapur Works, Unit JK Cement Ltd., Mudhol Taluka,
Bagalkot Dt, Karnataka**



Copy For Information To,

1. The Deputy Commissioner, Bagalkot District
2. Regional Director, Central Groundwater Board, SWR.
3. The Director, Groundwater Directorate and Member Secretary, Karnataka Groundwater Authority, KSFC Bhavana, Bengaluru

Signature Not Verified

Digitally signed by
Date: 2024.10.28 18:50:47 IST
Reason: Digitally Signed
Place : Bagalkot

Date : 26-10-2024

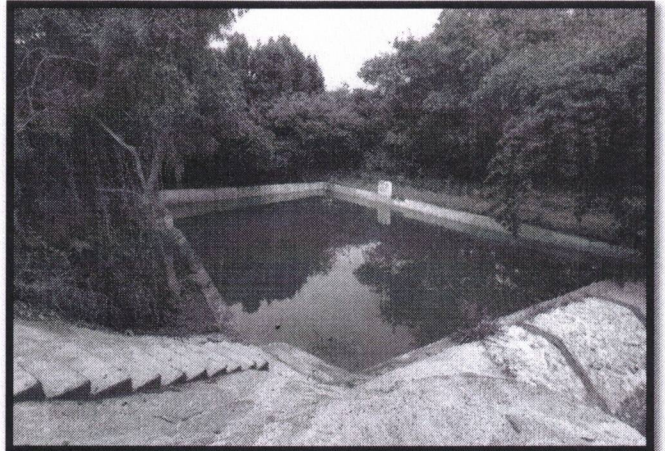
(E-SIGN SIGNATURE)

**Signature of Designated Officer
Karnataka Groundwater Authority**

Photographs of Rain Water Collection Tanks and Recharge Pits



Rainwater Collection Tank at Plant



Rainwater Collection Tank at Colony



Rainwater Recharge Pit

Details of CSR Expenditure for 2025-26

Sr.No	Focus area	Particulars	Amount (Rs)
1	Health	Support for Health care, Training and Medical Aid	8,24,619.99
2	Education	Education aid and Support for Schools	78,23,140.39
3	Rural Transformation	Rural Development & Other Welfare Activities	6,72,974.00
4	Other	Miscellaneous Activities	9,52,129.02
Grand Total			1,02,72,863.40

**J K Cement Works, Muddapur
(Unit: J K Cement Ltd.,)**

Annexure – 16

Status of CREP Compliance Report

Sr. No.	Conditions	Compliance Status
1.	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards: • Augmentation of existing Air Pollution Control Devices -by July 2003 • Replacement of existing Air Pollution Control Devices -by July 2004	Complying with. The emission from cement plant is within the norms as specified by MoEFCC / KSPCB.
2	Cement Plants located in critically polluted or urban areas (including 5-km distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³	Complying with. We are maintaining the emission level below 30 mg/Nm ³ for particulate matter as per MoEF Notification Vide GSR 612(E) dated 25.08.2014. The stack emission monitoring data for last six month enclosed as Annexure-8 .
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f. 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions	Complying with. We are maintaining the emission level below 30 mg/Nm ³ for particulate matter as per MoEF Notification Vide GSR 612(E) dated 25.08.2014. The stack emission monitoring data for last six month enclosed as Annexure-8 .
4	CPCB will evolve load-based standards by December 2003:	Complying with. MoEFCC has released notification on load-based standards on 10 th May 2016, for cement plants with co-processing for rotary kiln (Raw mill, kiln and precalciner system put together) not exceeding 0.125kg/tonne of clinker and we are complying the same.
5	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004	Complying with. Emission standards (for SO ₂ & NO _x) are notified by MoEF&CC vide notifications G.S.R. 612(E) dt. 25/08/2014, G.S.R. 496(E) dt. 09/05/2016 and G.S.R. 497(E) dt. 10/05/2016 and we are complying the same. Additionally, we have installed DeNO _x system (SNCR) to control NO _x emissions. The stack emission monitoring data for last six month enclosed as Annexure-8 .
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months	Complying with. The fugitive dust emissions are controlled by implementing the below practices. • Raw materials, product sheds, transfer points and belt conveyors are fully covered. • Bag filters are installed at all transfer points. • Concreted Roads are paved to suppress the dust emissions. Fugitive emissions monitoring report enclosed as Annexure-18 .

**J K Cement Works, Muddapur
(Unit: J K Cement Ltd.,)**

7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003	Complying with. We are using petroleum coke as a fuel in cement kiln after obtaining permission from KSPCB.
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the Continuous Monitoring Systems (CMS) by December 2003	Complying with. We have already installed online continuous emission monitoring stations (OCEMS) at all major stacks and the data is connected to CPCB and KSPCB servers.
9	Trippings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	Complying with. Reverse Air Bag House has been installed at Raw Mill/kiln in place of ESP for minimization of Kiln tripping.
10	Industries will submit the target date to enhance the utilization of waste material by April 2003	Complying with. We are Co-processing various wastes in kiln as a alternate fuel (AFR).
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	Complying with. Hazardous and other wastes from various industries is being co-processed in cement kiln.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003	Complying with. We have installed WHRS of 18 MW capacity for power generation by utilizing waste heat from Cement Plant.

EXPENDITURE ON THE ENVIRONMENTAL MANAGEMENT PLAN FOR PERIOD
FROM OCTOBER- 2025 TO MARCH- 2026

DESCRIPTION	Expenditure (Rs in Lakh)
Air Pollution Control in Kiln, Cooler, cement mill, coal mill, and LS crusher (main equipment) including stacks, Bag filters along with ventilation system for the control of fugitive dust emissions from the plant including stacks/ Cost of equipment for controlling emission like bag house, ESP, Bag filter etc., Operational cost/electricity cost, Operation & Maintenance cost	626.31
Emission Monitoring equipment (including online emission monitoring equipment (CEMS) at sources and ambient air quality in the vicinity) and laboratory	4.25
Green Belt Development, Sewage Treatment plant and Water Harvesting Schemes for plant	3.12
Other environmental management costs (AFR system operation, odour control, environmental training/Award, SNCR system CPP, Environmental License Fees)	16.37
TOTAL (Rs in Lakhs)	650.07

J K Cement Works, Muddapur
(Unit : J.K. Cement Limited)

Fugitive Emission Monitoring Report

SL. NO.	MONTH/YEAR	SPM (mg/m ³)							
		Gypsum Yard	Slag Yard	Flyash Yard	Cement mill	Lime stone unloading hopper	Lime stone crushing Site	Coal Yard	Packing Plant
1	Dec-25	0.29	0.19	0.25	0.28	0.29	0.32	0.23	0.20
2	Mar-26	0.37	0.33	0.31	0.34	0.37	0.31	0.36	0.38
	Minimum	0.29	0.19	0.25	0.28	0.29	0.31	0.23	0.20
	Maximum	0.37	0.33	0.31	0.34	0.37	0.32	0.36	0.38
	Average	0.33	0.26	0.28	0.31	0.33	0.32	0.29	0.29

Note: Monitoring done by MoEFCC recognized lab

ಪ್ರಜಾವಾಣಿ

ಅತ್ಯಂತ ವಿಶ್ವಾಸಾರ್ಹ ಕನ್ನಡ ದಿನ ಪತ್ರಿಕೆ

+ 2

ಬಾಗಲಕೋಟೆ

ಜೆಕೆ ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್

ಭಾರತ ಸರಕಾರದ ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯವು ಜನವರಿ 07, 2026ರ ಹೈಲ ಸಂಖ್ಯೆ: IA-J-11011/27/2024-IA-II(IND-I) ರಲ್ಲಿ ಇಂಟಿಗ್ರೇಟೆಡ್ ಸಿಮೆಂಟ್ ಕಾರ್ಖಾನೆ - ಸ್ಕಂಕರ್ (2.64 ರಿಂದ 6.84 ಮಿಲಿಯನ್ TPA), ಸಿಮೆಂಟ್ (3.5 ರಿಂದ 8.5 ಮಿಲಿಯನ್ TPA), WHRS (18 ರಿಂದ 45 MW), DG ಸೆಟ್‌ಗಳು (1000 KVA (2 x 500 kVA) ರಿಂದ 2250 KVA (2 x 500 kVA) & (1 x 1250 KVA)), ವಸತಿ ಕಾಲೋನಿ (ನಿರ್ಮಿತ ವಿಸ್ತೀರ್ಣ 18523.24 ಚದರ ಮೀಟರ್‌ರಿಂದ 25549.52 ಚದರ ಮೀಟರ್) ಮತ್ತು ವ್ಯಾಗನ್ ಟರ್ನೋವರಿಗೆ ರೈಲ್ವೆ ಸ್ಟೇಷಿಂಗ್ ಅಳವಡಿಕೆಯ ಪ್ರಸ್ತಾವಿತ ವಿಸ್ತರಣೆಗೆ ಪರಿಸರ ಅನುಮತಿ ನೀಡಿದೆ ಎಂದು ಎಲ್ಲರಿಗೂ ತಿಳಿಸಲು ಬಯಸುತ್ತೇನೆ. ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ ಸಿಪಿಐ (25 ಮೆಗಾ ವ್ಯಾಟ್) ಸಲ್ಲಿ ಯಾವುದೇ ಬದಲಾವಣೆಯಿಲ್ಲದೆ ಮುಸ್ಸರ್. ಜೆಕೆ ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್, ಗ್ರಾಮ: ಮುಡ್ನಾಪುರ, ತಾಲ್ಲೂಕು: ಮುಧೋಳ, ಜಿಲ್ಲೆ: ಬಾಗಲಕೋಟೆ, ಕರ್ನಾಟಕ.

ಮೇಲಿನ ಪರಿಸರ ಅನುಮತಿ ಪತ್ರದ ಪ್ರತಿಯನ್ನು ಸಾರ್ವಜನಿಕ ಉದ್ದೇಶಕ್ಕಾಗಿ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಕಛೇರಿಯಲ್ಲಿ ಲಭ್ಯವಿದೆ ಮತ್ತು ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯದ ವೆಬ್‌ಸೈಟ್ <https://parivesh.nic.in> ನಲ್ಲಿಯೂ ವೀಕ್ಷಿಸಬಹುದು.

ಮುಸ್ಸರ್: ಜೆಕೆ ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್

ಕಮಲ ಟವರ್, ಕಾನ್ಪುರ, ಉತ್ತರಪ್ರದೇಶ-208001

ಇ-ಮೇಲ್: bhaskar.rawat@kccement.com

DH



DECCAN HERALD

The Power of Good

2

DECCAN HERALD

Tuesday
January 13, 2026

JK Cement Limited

It is hereby informed that the Ministry of Environment, Forest and Climate Change, Government of India has granted Environmental Clearance vide File No: IA-J-11011/27/2024-IA-11(IND-1), dated 07th Jan., 2026 to the Expansion of Integrated Cement Plant - Clinker (2.64 to 6.84 Million TPA), Cement (3.5 to 8.5 Million TPA), WHRS (18 to 45 MW), DG Sets {1000 kVA (2 x 500 kVA) to 2250 kVA [(2 x 500 kVA) & (1 x 1250 kVA)]}, Residential Colony (Built-up area 18523.24 sqm. to 25549.52 sq.m) along with installation of Railway Siding with Wagon tippler without change in Existing CPP (25 MW) by M/s. JK Cement Limited, located at Village: Muddapur, Taluka: Mudhol, District: Bagalkot, Karnataka.

A copy of the above Environmental Clearance letter is available for public reference at the office of the State Pollution Control Board and can also be viewed on the website of the Ministry of Environment, Forest and Climate Change at <https://parivesh.nic.in>.

M/s. JK Cement Limited

Kamla Tower, Kanpur, Uttar Pradesh - 208001

E-mail: bhaskar.rawat@jkcement.com