

JK Cement Works, Muddapur (Unit: J.K. Cement Ltd)
CIN: L17229UP1994PLC017199

↑ Works: P.O. Muddapur - 587 122 Distt. Bagalkot (Karnataka) India
 ↓ +91-8350-289607
 ♠ factory.muddapur@jkcement.com

No.JKCW/ENV/2022/ ECE/1st Half(PLANT)/89/18

Date-21-11-2022

To
The Scientist-F,
Ministry of Environment & Forest,
Govt. of India, Indira Paryavaran Bhavan,
Aliganj, New Delhi- 110 003

Sub: Half Yearly Environmental Clearance Compliance report for the period ApI-2022 to Sept-2022 (1nd Half) for expansion of Cement Grinding Unit (2.5 MTPA to 3.5 MTPA) of JK Cement Works, Village-Muddapur, Taluka-Mudhol, District-Bagalkot (Karnataka)

Ref: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 26-06-2010

Dear Sir,

With reference to your above cited environmental clearance letters for expansion of Cement Grinding Unit (2.5 MTPA to 3.5 MTPA) of JK Cement Works, Village - Muddapur, Taluka- Mudhol, District - Bagalkot (Karnataka), we are sending here with point wise EC compliance report for the period from Apr-2022 to Sept-2022 (1nd Half) for your kind information and record please, along with Annexure-1 to 8.

Thanking you

Yours faithfully For J.K. Cement Works

Umashankar Chaudhary (Unit Head)

e



Enclosures as above:

- 1. EC Compliance Report Annexure-1
- 2. AAQ Monitoring Annexure -2
- 3. Stack Emission Monitoring Annexure 3
- 4. Noise Level Monitoring- Annexure -4
- 5. Fugitive emission Monitoring Annexure 5
- 6. Water Quality Monitoring Annexure 6
- 7. Environmental expenditures Annexure-7
- 8.CSR Report Annexure-8

Corporate Office

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





Manufacturing Units at :

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





CC:

- 1- The Addl. Principal Chief Conservator of Forest (C), Ministry of Environment & Forest, Regional Office (South Zone), Koramangala, Bangalore
- 2- Chairman, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, New Delhi
- 3- Scientist 'D' & Incharge, Central Pollution Control Board, Nisarga Bhavan, Bengaluru
- 4- Member Secretary, Karnataka Pollution Control Board, Church Street, Bangalore
- 5- The Environmental officer, Karnataka State Pollution Control Board, Bagalkot 587102.



Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

EC Compliance Report for the period April, 2022 to Sept, 2022

A. SPECIFIC CONDITIONS:

Annexure-1

S.NO	CONDITION	REPLY
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, we obtained statutory clearances from the Karnataka State Pollution Control Board (KSPCB) prior to commencement of construction i.e, CTE and CTO during operation. Consent To Operate from Karnataka Pollution Control Board is being renewed once in every Five years. Latest Consent to Operate granted by KSPCB vide Order No. AW-326481 dated 30-08-2021 which is valid till 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. All the specific and general conditions stipulated by the Central/State Govt for the existing plant are complying and six monthly compliance reports are being submitted to the Ministry and its Regional office at Bangalore, CPCB & KSPCB boards also.
iii)	Adequate pollution control measures viz. bag filters shall be provided to control emissions from various sources within 50 mg/Nm³. At no time, particulate emissions from the grinding unit shall exceed 50 mg/Nm³. 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.	Complied, Adequate pollution control measures viz. bag filters have been provided to control emissions from various sources not exceeding 30 mg/Nm³ and interlocking facility has been facilitated in the pollution control equipment.
iv)	Cement grinding shall be carried out in closed circuit and shall have highly efficient reverse pulse jet type bag filters.	Complied, Cement grinding is being carried out in closed circuit and pulse jet bag filter has been installed.
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	Complied, Ambient air quality monitoring stations (AAQMS) have been set up in consultation with the Karnataka Pollution Control Board (KSPCB). Ambient air quality including ambient noise levels is not exceeding the standards stipulated under EPA or by the State authorities. Ambient air quality is being carried out regularly in consultation with KSPCB and results are not exceeding the NAAQM standards, 2009.

Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

	exceed the standards stipulated under EPA or by the State Authorities. Monitoring reports for ambient air, stack and 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.	Ambient air, stack and fugitive emission monitoring reports are being submitted to Ministry's regional Office at Bangalore, Central Pollution Control Board (CPCB) and KSPCB half-yearly. The Instruments, used for ambient air quality/stack/noise/ fugitive monitoring are calibrated regularly from time to time.
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.	Complied, we have installed adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and all the transfer points. The dust, collected in bag filters is recycled back to the process. Raw material is being stored in closed roof sheds. water sprinkling in raw material stock yard and cement bag loading areas through water tankers. Dust sweeping machines also being used for paved roads.
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, Secondary fugitive emissions have been monitored periodically and controlled and well within the prescribed norms. CPCB guidelines have been adopted for code of practice to control fugitive emission. Raw materials are being transported through covered means.
viii)	Total ground water requirement shall not exceed 200 m ³ /day. No waste water shall be generated from the cement grinding unit.	Complying, Abstraction of ground water is not exceeding the permitted quantity. No waste water 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, All the solid wastes viz. fly ash and dust etc. are being properly recycled and re-utilized in the process itself. 100% fly ash, generated in Captive power plant, is used in the cement plant for manufacturing of cement.
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, out of 104.55 ha, 48.12 Ha have been covered under green cover which is more than 33% area. additional plantation has been taken up to mitigate and reduce the impact of fugitive emissions. We are continuously developing the green belt in and

Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

xi) Proper housekeeping and adequate Complying, Proper ho	
occupational health programs shall be taken up. adequate occupational he being taken up time to time	
xii) All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented. Complying, Recommendations Charter on Corporate Environment Protection cement plants are being im	tions made in the Responsibility for (CREP) for the
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. Complied, Rainwater harve cement plant and reside been adopted. We are rainwater from the roof water drains to recharge the water.	esting measures in ential colony have e harvesting the f tops and storm
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.	een prepared and
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.	been provided to
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.	
ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	
iii) The gaseous emissions from various process Noted.	

Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

	Le compliance report for the pe	
	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.	
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 PM10, SO ₂ and NOx 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.	Complied, we have established five (AAQMS) monitoring stations and monitored data of ambient air quality and stack emission are being regularly submitted to the Ministry including its regional Office at Bangalore and the SPCB/CPCB once in six Months. Six monthly report of Ambient Air Quality, Stack emission and Fugitive emissions has been enclosed as Annexure- 2, 3, 5
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, No waste water is generated from cement plant and the waste water, generated in captive power plant is collected in neutrilsation pit and treated properly and the treated waste water is being used for process itself.
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, the noise levels in and around plant are 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 are also within the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time) as per Annexure- 4
Vii)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factory Act.	Complying, Occupational health surveillance of the workers is being done on a regular basis and records are being maintained as per the Factory Act.
viii)	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied.
ix)	The Project proponent shall also comply with all the environmental protection measures and safeguards recommended in	Complying, Environmental protection measures and safeguards recommended in the EIA/EMP report are being followed.

Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

	EC Compliance Report for the pe	eriod April, 2022 to Sept, 2022
	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.	socio-economic development activities along with expenditure in the surrounding villages for community development Programmes, educational programs, drinking water supply and health care for the period April-2022 to September-2022 is enclosed as Annexure-8 .
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.	Complied. expenditure incurred on environmental pollution control measures taken up on environment management plan and the details of expenditure are enclosed as Annexure-7.
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, a copy of clearance letter had been sent to concerned local bodies. No suggestions & representation were received, the same also displayed on the web site of the company.
xii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional Office of the 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.	Complying, Environment clearance conditions status and results of monitored data are being updated & uploaded on company website periodically. The same report is being sent to the regional Office of the MoEF at Bangalore and the respective Zonal Office of CPCB. The pollutants levels namely; PM ₁₀ , SO ₂ , NO _x are displaying near the plant main gate of the company in the public domain.
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	Complying, we are submitting six monthly reports on the status of the compliance of the stipulated environmental conditions and monitored data in soft copies only by e-mail

Reference: MoEF Letter No. F.No. J-11011/263/2009-IA II (I) dated 21-06-2010

EC Compliance Report for the period April, 2022 to Sept, 2022

xiv)	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. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 19086, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental	and to the Regional Office of this Ministry at Bangalore and upload the same in Parivesh website. Also the same report is submitted to CPCB/SPCB as well. Complying, the environmental statement for each financial year ending 31st March in Form-V is being submitted by us to the concerned State Pollution Control Board and is also sent to the respective regional office of the MoEF at Bangalore by e mail. Environmental Statement Report (Form-V) for F.Y. 2021-22 was submitted to regulatory authority via. letter no. JKCW/ENV./CFO
xv)	conditions and shall also be sent to the respective regional Office of the MoEF at Bangalore by e mail. The Project proponent shall inform the	(Plant)/60/15 dated 05-09-2022. Complied, we had informed the public that
	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.	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 had been advertised within seven days from the date of issue of the clearance letter, in two local newspapers that are widely circulated in the region of which one was in the vernacular language of the locality concerned and a copy of the same had been forwarded to the regional office at Bangalore.
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, we had informed 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.

Yours faithfully

For J.K. Cement Works, Muddapur (Karnataka)

Cement Work

Uma Shankar Choudhary (Unit Head

Blood (Unit Head

Page 6 of 6

Annexuse-2

J.K. Cement WORKS, MUDDAPUR (KARNATAKA)

CEMENT PLANT & 2X25 CPP MW

QUARTERLY AAQM REPORT (SO2, NO2, PM10, PM2.5), FOR THE MONTH OF APRIL-2022 TO SEPTEMBER-2022

(ALL VALUES IN MICROGRAMS / CUBIC METER) SO2 NO. PM 10 PM2.5 Month Sl. No. Date Week Locations Locations Locations Locations В D (A B (D B C D 01.4.2022 8.0 7.2 6.8 17.0 18.0 17.8 18.2 32.5 59.3 59.9 30.6 20.8 258 22.8 253 lst 05.4.2022 8.0 18.0 18.0 18.0 16.8 66.2 63.4 40.8 42.5 33.3 28.3 25.6 23.5 A 08.4.2022 6.8 7.6 7.2 6.3 168 167 17.8 16.7 70.1 68.8 35.6 33.2 29.2 20.5 2nd p 4 12.4.2022 6.7 7.0 8.0 7.0 16.7 17.7 18.2 17.6 72.7 38.7 35.6 37.5 33.3 23.7 68.8 20.5 15.4.2022 6.2 63 6.3 17.3 17.5 16.5 17.8 72.8 61.1 45.3 42.8 25.0 20.8 18.8 22.8 3rd 19 4 2022 6 8.0 7.0 18.0 195 18.5 61.9 58.0 36.5 34.4 375 292 258 20.6 22.4.2022 6.8 8.0 6.8 6.5 16.7 18.0 17.6 17.2 68.6 65.8 43.6 41.8 25.0 31.3 22.4 18.4 4th 8 26.4.2022 8.0 6.7 7.3 7.0 18.0 16.7 16.8 16.5 72.3 60.8 47.5 43.5 29.2 25.0 230 20.8 Q 29.4.2022 8.3 8.0 18.0 18.2 18.0 18.2 77.1 72.0 42.8 40.6 37.5 37.5 21.8 19.0 3.5.2022 63 78 190 183 173 18.6 76.7 68.6 65.5 29.2 33.3 30.6 354 1st 6.5.2022 6.8 8.3 8.0 17.7 18.5 18.2 71.4 64 2 37.5 65 8 70.6 375 28.5 33.3 10.5.2022 6.2 6.0 6.7 7.6 16.5 16.5 17.7 17.5 79.1 70.4 25.0 69.1 68.5 20.8 292 2nd M 4 13.5.2022 17.5 17.7 17.8 169 816 77 3 73.5 70.2 250 290 30.0 28.0 17.5.2022 7.5 a 8.0 6.7 8.0 18.0 17.2 18.0 18.4 74.1 60.3 64.5 72.8 292 32.0 28.0 3rd 30.0 У 6 20.5.2022 7.3 7.7 7.5 19.2 17.8 18.8 17.2 65.2 74.6 34.6 86.5 68.5 252 28 5 24.5.2022 7.8 7.3 8.0 17.5 8.1 18.0 17.7 17.8 77.6 69.8 72.3 76.1 32.8 27.0 30.0 36.0 27.5.2022 8 4th 17.0 18.0 16.6 70.7 74.4 70.2 71.6 333 28.0 32.0 32.0 9 31.5.2022 7.7 7.4 17.7 18.6 75 1 173 60.2 30.0 32.0 30.0 30.5 3.6.2022 7.8 7.5 8.5 8.0 18.0 17.8 19.5 18.0 81.5 77.6 40.3 45.5 20.8 20.8 25 0 16.7 1st 7.6.2022 8.3 9.2 8.2 19.0 18.0 18 5 188 73.5 80.7 37.9 56.8 18.7 16.7 20.8 20.8 J 10.6.2022 85 7.8 80 177 19.0 18.0 17.0 29.1 18.7 45.2 47.7 2nd 8.3 14.6 175 250 11 4 14.6.2022 8.0 8.0 9.0 18.0 18.3 190 17.8 459 44.5 470 52.7 6.2 8.3 23.3 n 17.6.2022 8.5 8.2 8.2 9.0 18.0 18.0 18.2 19.0 59.5 47.2 35.3 574 10.4 12.5 20.8 18.8 e 21.6.2022 6 8.8 19.0 195 175 18.8 436 16.8 30.9 48.8 12.5 19.2 25.0 12.5 24.6.2022 8.2 7.3 8.0 168 177 18.0 28.2 15.7 390 52.5 8.3 9.6 33.3 22 9 4th 8 28.6.2022 7.5 8.0 9.2 6.7 17.5 18.5 19.2 62.3 433 45.4 46.5 16.7 16.7 20.8 16.7 1.7.2022 7.7 5.7 6.3 6.0 17.7 16.0 16.0 17.0 56.8 57.2 61.0 57.8 29.2 23.0 242 20.8 1st 5.7.2022 8.8 7.2 77 7.7 18.8 17.5 17.3 177 52.6 16.7 41.3 56.7 50.6 29.6 20.8 25.0 3 8.7.2022 6.8 6.8 68 80 16.8 18.0 18.2 16.7 66.2 55.1 49.9 47.8 20.8 20.8 18.7 29.7 2nd 4 12.7.2022 7.8 7.0 7.3 6.0 17.8 16.8 17.0 17.3 57.7 61.1 64.1 53.5 25.8 29.2 25.0 22.0 u 5 15.7.2022 8.0 8.5 77 8.3 18.8 18.7 44.1 1 18.7 18.3 57.1 57.9 50.3 12.5 250 16.7 22.5 3rd 6 19.7.2022 7.5 y 8.0 8.0 6.7 17.8 18.8 17.8 16.7 67.7 59.4 59.4 61.0 16.7 292 15.8 18.8 22.7.2022 6.7 8.0 18.2 17.3 17.7 18.0 48.3 66.5 54.8 12.5 62.0 20.8 20.4 22.1 8 26.7.2022 4th 8.0 7.2 7.6 92 18.0 17.7 17.6 19.2 58.1 60.8 65.1 58.9 16.7 17.5 229 20.8 9 29.7.2022 8.0 8.0 8.8 18.0 18.0 17.8 18.0 63.7 67.5 67.1 59.4 27.5 16.7 19.6 25.0 1 2.8.2022 8.0 6.8 6.8 6.8 18.0 17.0 16.8 17.3 40.7 36.8 35.8 45.0 179 8.3 4.2 9.2 Ist 2 5.8.2022 7.5 80 8.3 17.5 80 18.0 18.3 18.0 47.9 40.3 30.5 34.2 4.2 6.7 12.5 8.3 A 3 9.8.2022 7.7 82 7.7 9.6 18.3 19.0 17.7 19.2 42.3 34.6 39.9 39.9 12.5 14.6 7.5 13.3 2nd u 4 12.8.2022 8.3 9.2 8.3 7.2 19.2 18.5 18.3 17.7 48.6 47.0 45.7 48.1 12.5 8.3 12.9 13.3 g 5 16.8.2022 90 8.7 8.3 7.5 19.0 19.0 19.2 18.0 45.4 32.2 43.3 39.1 7.5 8.3 12.9 133 u 3rd 6 19.8.2022 7.7 6.8 7.3 8.0 17.7 S 16.7 18.2 18.0 37.7 34.8 48.1 41.6 8.3 12.5 10.0 10.4 7 t 23.8.2022 7.3 7.3 6.5 6.7 17.3 17.3 17.2 16.7 38.9 31.8 33.3 39.8 11.3 6.2 5.0 8.3 8 4th 26.8.2022 94 7.0 7.3 19.2 83 16.8 17.5 19.6 43.2 32.1 30.9 45.0 12.5 12.5 9.2 9.2 9 30.8.2022 8.2 8.0 7.0 7.5 18.2 18.0 18.0 18.0 42.0 44.0 46.9 41.8 16.7 25.0 13.3 9.6 1 7.7 5.7 04.9.2022 6.8 6.0 17.7 16.7 S 16.8 17.0 54.8 40.0 50.9 37.8 12.5 12.5 21.7 146 1st 2 e 07.9.2022 6.3 7.3 7.7 7.7 177 177 48.0 45.9 41.4 47.7 17.5 20.8 18.8 20.8 11.9.2022 p 6.8 6.2 8.0 8.0 16.8 16.8 180 16.7 50.4 48 9 33.0 48.8 16.7 15.8 16.7 2nd 4 14.9.2022 8.0 8.5 8.8 7.3 180 18.5 19.8 17.3 16.7 56 1 32 0 45.9 333 18.8 12.5 8.3 e 18.9.2022 6.8 7.8 6.8 8.3 17.8 18.8 16.8 18.3 52.7 30.8 50.5 32.5 14.2 14.6 10.0 3rd m 21.9.2022 7.7 6.7 8.0 6.7 17.8 17.3 17.5 16.7 59.6 393 35.1 43.7 18.8 17.5 20.8 146 b 24 9 2022 78 8.7 8.2 8.0 18.0 19.0 18.7 18.0 53.3 46.9 42.1 38 4 14.2 15.8 22.9 20.8 e 8 28.9.2022 7.2 75 88 97 178 17.5 18.8 192 57.9 55.6 40.0 48 1 205 18.3 19.6 16.7 Avg. 7.6 7.5 7.6 7.6 17.9 17.8 17.9 17.8 58.7 52.9 48.6 49.9 20.5 20.9 20.5 20.5 Min. 5.7 6.2 6.0 6.0 16.5 16.0 16.0 16.5 28.2 15.7 30.5 30.6 4.2 6.2 42 8.3 Max 9.4 9.2 9.2 9.6 19.2 19.5 19.8 19.6 86.5 80.7 73.5 76.1 37.5 37.5 33.3 36.0

Note:- Location A-Near Admin Bld

Location B-Guest House Location C-Muddapur Location D-Bamanbudhini

Vani Patil Monitored by

Vinit Kumar Sharma Checked by



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

<u>Plant AAQ sample</u>

Name and Address of Customer: M/s. JK Cement Works, Muddapur

(Unit: J.K. Cement LTD.,)

Muddapur -587122 Distt. Bagalkot

(Karnataka) India

Report Date: 31/08/2022

Date of Receipt of sample: 24/08/2022

Test Report No: SIRC/2022/08/4767

Test Completed on: 31/08/2022

Test Performed On: 24/08/2022

Sample Packing: Absorbing solution Sealed Bottle and Filter

			paper zip lock covered				
S.No	Parameters	Method	NAAQ standards	Location			
			2009	Site-1	Site-2	Site-3	Site-4
1	Particulate Matter (PM10), μg/m3	IS 5182 (P23):2006	100	60	53.8	47.8	68
2	Particulate Matter (PM2.5), μg/m ³	40CFR Part 53& 58	60	36	29.1	34.9	36
3	Sulfur Dioxide (SO2), µg/m ³	IS 5182 (P2):2001	80	8	13.5	10.4	
4	Nitrogen Dioxide (NO2), μg/m ³	IS 5182 (P6):2006	80	17	26.1	21.4	26
5	Ammonia (NH3), μg/m ³	NH3), μg/m ³ Method 401, Air Sampling		20.6	15.7	20.6	20
6	Carbon Monoxide (CO), mg/m ³	Non-Dispersive Infra-Red Method	04	ND	ND	ND	ND
7	Ozone (O3), μg/m ³	Method 411, Air Sampling	180	7.6	11.5	13.1	12.5
8	Lead (Pb), μg/m ³	EPA compendium method IO 3.2	1.0	BDL	BDL	BDL	BDL
9	Nickel (Ni), ng/m ³	EPA compendium method IO 3.2		BDL	BDL	BDL	BDL
10	Arsenic (As), ng/m ³	EPA compendium method IO 3.2	06	BDL	BDL	BDL	BDL
11	Benzo(a)Pyerene(BaP), ng/m ³	IS 5182 (Part 12):2004	01	BDL	BDL	BDL	BDL
12	Benzene (C6H6), μg/m ³	IS 5182 (Part11):2006	05	BDL	BDĹ	BDL	BDL

Note: Site-1: Near Administration Building Site-2: Near Guest House Site-3: Muddapur & Site-4: Bamanbudhini

BDL: Below detectable limit, ND: Not Detected

As per NAAQMS Standards, INFERENCE

Report Status: - - The measured values for the above parameters are within the standards

AUTHORIZED SIGNATORY

Dr.Siddalingeshwara K G Quality

1 | Page

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample(s) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya,Yeshwanthpur Industrial Area,Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer:	Report Date: 06/07/2022			
M/s. JK Cement Works, Muddapur (Unit : J.K. Cement LTD)	Date of Receipt of sample: 01/07/2022			
Muddapur -587/22 Dist. Bagalkot (Karnataka) India	Test Report No: SIRC/2022/06/3444			
(Kandidaka) fiigia	Test Completed on: 06/07/2022			
Test Performed On: 01/07/2022	Sample Packing: Absorbing solution Sealed Bottle and Filter paper zip lock covered			

RESULTS

Sample Collected By Sample Natu SIRC AAQ sample		Sample Natu	ire	Sample Location		Sample Condition on Receipt	
					Satisfactory		
S.No	Param		Results	NAAQ standards 2009		Method	
Į.	Particulate Matter (PM10), µg/m ²	65.0	100	18 5182	? (P-23):2006	
2	Particulate Matter		33.3	60		Part 53& 58	
3	Sulfur Dioxide (SO2), µg/m ³		11.1	80	IS 5182 (P-2):2001		
4	Nitrogen Dioxide (NO2), µg/m ³		19.4	80	IS 5182 (P-6):2006		
5	Ammonia (NH3), µg/m ³		16.0	400	Method 401, Air Sampling		
6	Carbon Monoxide ((CO), mg/m ³	ND	04		ispersive Infra-Red Method	
7	Ozone (O3), µg/m ³		11.0	180		1411, Air Sampling	
8	Lead (Pb), µg/m ³		BDL.	1.0		empendium method IO 3.2	
9	Nickel (Ni), ng/m3		BDI.	20	EPA compendium method IO 3.2		
10	Arsenic (As), ng/m	3	BDL	06	EPA compendium method IO 3.2		
13	Benzo(a)Pyerene(B	iaP), ng/m ³	BDL.	01	IS 5182 (Part 12):2004		
12	Benzene (C6H6), µ	g/m³	BDL	05	IS 5182 (Part11):2006		

BDL: Below detectable limit, ND: Not Detected As per NAAQMS Standards. INFERENCE Report Status: -- The measured values for the above parameters are within the standards

> Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample(s) not drawn by us unless otherwise stated

5. Total liability of our laboratory is limited to the invoice amount, thy dispute arising out of this report is subjected to Bangalore Jurisdiction only.

*****We Provide Environmental Services****



Name and Address of Customer:

(Unit: J.K. Cement L.FD..) Muddapur -587122 Dist. Bagalkot

Test Performed On: 01/07/2022

(Karnataka) India

M/s. JK Cement Works, Muddapur

SCIENTIFIC & INDUSTRIAL RESEARCH CENTRE

#91/43,1stFloor,8st cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022 E-mail:sircbangalore@yahoo.com, Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

> TEST REPORT Report Date: 06/07/2022 Date of Receipt of sample: 01-07/2022 Test Report No. SIRC/2022/06/3443 Test Completed on: 06/07/2022

> > Sample Packing: Absorbing solution Sealed Bottle and Filter paper zip lock covered

RESULTS

Sample Collected By	Sample Nature	Sample Location	Sample Condition on Receipt
SIRC	AAQ sample	Near D Block Staff Colony Quarters	Satisfactory

S,No	Parameters	Results	NAAQ standards 2009	Method
l	Particulate Matter (PM10), µg/m ³	53.0	100	18 5182 (P-23):2006
2	Particulate Matter (PM2.5), µg/m3	19.1	60	40CFR Part 53& 58
3	Sulfur Dioxide (SO2), µg/m ³	11.4	80	IS 5182 (P-2):2001
4	Nitrogen Dioxide (NO2), µg/m ²	19.8	80	IS 5182 (P-6):2006
5	Ammonia (NH3), μg/m ³	14.4	4(10)	Method 401, Air Sampling
6	Carbon Monoxide (CO), mg/m	ND	04	Non-Dispersive Infra-Red Method
7	Ozone (O3), µg/m ³	10.2	180	Method 411. Air Sampling
8	Lead (Pb), μg/m ²	BDI.	1,0	EPA compendium method IO 3.2
9	Nickel (Ni), ng/m ³	BDL.	20	EPA compendium method IO 3.2
10	Arsenic (As), ng/m ³	BDL	06	EPA compendium method IO 3.2
11	Benzo(a)Pyerene(BaP), ng m ⁵	BDL	01	18 5182 (Part 12):2004
12	Benzene (C6H6), µg/m ³	BDL	05	JS 5182 (Part11):2006

BDL. Below detectable limit. ND: Not Detected

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

> AUTHORIZED Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither afterred nor implied.

---- We Provide Unvironmental Services ----

Samples will be destroyed after specified refermion time.
 This report is not to be reproduced wholly or in part & carner be used as exidence in the court of law & should not be used in any advertising media without and special permission in writing.

^{4.} Sample's) not drawn by us unless otherwise stated.

5. Foral hability of our innormary is formed to the universal mostar. Including a convergence of this report is subjected in Georgelove Jurisch from only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: Report Date: 06/07/2022 M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD..) Date of Receipt of sample: 01/07/2022 Muddapur -587122 Dist. Bagalkot Test Report No: SIRC/2022/06/3442 (Karnataka) India. Test Completed on: 06/07/2022 Sample Packing: Absorbing solution Sealed Bottle and Filter Test Performed On: 01/07/2022

RESULTS

paper zip lock covered

Sample Collected By Sample Nature SIRC AAQ sample		ire	Sample Location		Sample Condition on Receip		
		le Near Guest House					
S.No	Parameters		Results	NAAQ standards 2009		Method	
L	Particulate Matter (PM10), µg/m ³	52.0	100	IS 5182	(P-23):2006	
2	Particulate Matter		15.0	60	40CFR	Part 53& 58	
3	Sulfur Dioxide (SC		10.7	80	IS 5182 (P-2):2001		
4	Nitrogen Dioxide (NO2), μg/m ³	23.3	80	IS 5182 (P-6):2006		
5	Ammonia (NH3), p	ig/m³	15.2	400		401, Air Sampling	
6	Carbon Monoxide (CO), mg/m ³	ND	04	Non-Dispersive Infra-Red Metho		
7	Ozone (O3), µg/m ³	3-1/ 0/10 21 - 28 (- 1 - 10 - 10 - 10 - 10 - 10 - 10 - 1	11.0	180		411, Air Sampling	
8	Lead (Pb), μg/m ³		BDL	1.0		mpendium method IO 3.2	
9	Nickel (Ni), ng/m		BDL	20	EPA compendium method IO 3.2		
10	Arsenic (As), ng/m		BDL	06	EPA compendium method IO 3.2		
11	Benzo(a)Pyerene(B		BDL	01	IS 5182 (Part 12):2004		
12	Benzene (C6H6), µ	g/m¹	BDL	05	IS 5182 (Part11):2006		

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

> AUTHORIZED SIGNATORY Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the texted samples & applicable parameters, Endorsement of product is neither inferred nor implied.

4. Sample(s) not drawn by us unless otherwise stated.
5. Familiability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only. · · soWe Provide Environmental Services · · · ·

^{2.} Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advectising media without our special permission in writing.



#91/43,18 Floor, 8th cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

LEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD..)

Muddapur -587122 Dist. Bagalkot

(Karnataka) India

Test Performed On: 01/07/2022

Report Date: 06/07/2022

Date of Receipt of sample: 01/07/2022

Test Report No: SIRC/2022/06/3441

Test Completed on: 06/07/2022

Sample Packing: Absorbing solution Sealed Bottle and Fifter

paper zip lock envered

RESULTS

Sample Collected By	Sample Nature	Sample Location	Sample Condition on Receipt
SIRC	AAQ sample	Near Administration Building	Satisfactory

S.No	Parameters	Results	NAAQ standards 2009	Method
I	Particulate Matter (PMT0), µg/m ³	67.0	100	IS 5182 (P-23):2006
9	Particulate Matter (PM2.5), µg/m ³	21.2	60	40CFR Part 53& 58
3	Sulfur Dioxide (SO2), µg/m ³	10.5	80	IS 5182 (P-2):2001
4	Nitrogen Dioxide (NO2), µg/m ³	20.0	80	IS 5182 (P-6):2006
5	Ammonia (NH3), µg/m ³	17.6	400	Method 401, Air Sampling
6	Carbon Monoxide (CO), mg/m3	ND	04	Non-Dispersive Infra-Red Method
7	Ozone (O3), µg/m ³	12.7	180	Method 411, Air Sampling
8	Lead (Pb), μg/m ³	BDL.	1,0	EPA compendium method IO 3.2
9	Nickel (Ni), ng/m ³	BDL	20	EPA compendium method IO 3.2
1.0	Arsenic (As), ng/m	BDL	06	EPA compendium method IO 3.2
11	Benzo(a)Pyerene(BaP), ng/m3	BDL	01	18 5182 (Part 12):2004
12	Benzene (C6H6), µg/m ³	BDL	05	18 5182 (Part11):2006

BDL: Below detectable limit, ND: Not Detected

INFERENCE

As per NAAQMS Standards,

Report Status: - The measured values for the above parameters are within the standards

Sateesh G Muttagi Technical Manager

NOIL

- 1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred for implied
- 2. Samples will be destroyed after specified setemain time.
 3. This report is not to be reproduced whatis or in part & same tweed as exidence in the cours of low & should not be used in any advertising media without one special primission in writing

4. Sample(x) not drawn by we unless otherwise states.
5. Istal liability of our laboratory is lineared to the cayouse amening thy despite groung our of this report is subjected to Beaugiliaes Latisdiction only.

----- We Provide Environmental Services ----

J.K. Cement WORKS, MUDDAPUR (KARNATAKA)

Stack monitoring report of Cement plant & 2x25 MW Thermal power plant for April-2022 to September-2022

	DG Set		PM in mg/Nm3	ı	<u>e</u>	Å	i)		t
		Standards 800 mg/Nm3	NOx in mg/Nm3	552.0	548.0	445.0	524.0	360.0	396.0
	Kiln / Raw Mill	Standards 100 mg/Nm3	SO2 in mg/Nm3	0.0	0.0	0.0	0.0	0.0	0.0
Stack locations		Standards 30 mg/Nm3	PM in mg/Nm3	11.5	7.1	15.6	9.4	14.9	14.4
		Standards 450 mg/Nm3	NOx in mg/Nm3						
	Thermal Power Plant	Standards 600 mg/Nm3	SO2 in mg/Nm3	Plant Shutdown					
		Standards 50 mg/Nm3	PM in mg/Nm3						
		Sl. No. Month/Year		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
		SI. No.		-	2	т	4	2	9

	Coal Mill	17.6	14.0	16.9	14.5	12.7	11.5	
	Cooler	7.6	11.2	6.7	14.5	7.5	1:21	
33	CM-2	11.10	16.00	17.0	15.0	10.7	14.5	
Stack locations PM Standards 30 mg/Nm3	CM-1	6.53	8.16	5.0	Mill shutdown	6.2	17.7	
PM	PM		12.3	7.6	10.1	12.2	8.6	11.7
	Coal crusher	9.0	10.0	13.2	11.2	8.9	6.6	
	CM-3 (Slag Cement Mill)	17.1	15.4	11.3	15.6	9.5	14.5	
	Sl. No. Month/Year	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	
	SI. No.	-	2	3	4	5	9	



Vinit Kumar Sharma Checked by



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

STACK TEST REPORT

Name and Address of Customer:	Report Date: 31/08/2022
M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,) Muddapur -587122 Distt. Bagalkot (Karnataka) India	Date of Receipt of sample:25/08/2022
	Test Report No: SIRC/2022/08/4770
	Test Completed On: 31/08/2022
Test Performed On: 25/08/2022	Date of Monitoring:23/08/2022

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	RAW MILL	Thimble in zip lock covered

Stack Details

Stack Id	RAW MILL
Ambient Temperature ,(°C)	32
Stack Temperature, (°C)	168
Diameter, (m)	7.54
Cross Sectional Area in meter square, (m2)	19.63
Velocity, (m/s)	5.69
Flue gas Discharge, Nm³/hr	278182.5
Dust Emission , mg/Hr	2.8

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm ³	12	30	IS 11255 (P1) 2003
2	Moisture	%	<1	NS	IS 11255 (P1) 2003
3	Sulphur Dioxide	mg/Nm ³	ND	100	IS 11255 (P2) 2003
4	Oxides of nitrogen	mg/Nm ³	465	800	Flue gas analyzer

Note: ND: Not Detected, NS: Not Specified

INFERENCE

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

AUTHORIZED SIGNATORY

Sateesh G Muttagi Technical Manager

2 | Page

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample(s) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer:	Report Date: 31/08/2022			
M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,)	Date of Receipt of sample: 25/08/2022			
Muddapur -587122 Distt. Bagalkot	Test Report No: SIRC/2022/08/4773			
(Karnataka) India	Test Completed On: 31/08/2022			
Test Performed On: 25/08/2022	Date of Monitoring:23/08/2022			

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Cement Mill-2	Thimble in zip lock covered

Stack Details

100000	Details
Stack Id	Cement Mill-2
Ambient Temperature ,(°C)	31
Stack Temperature, (°C)	125
Diameter, (m)	1.4
Cross Sectional Area in meter square, (m2)	1.23
Velocity, (m/s)	5.41
Flue gas Discharge, Nm ³ /hr	18241.5
Dust Emission, mg/Hr	0.2

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm ³	11.6(7.6)	30	IS 11255 (P1) 2003
2	Moisture	%	<1	NS	IS 11255 (P1) 2003

Note: NS: Not Specified

INFERENCE

AUTHORIZED SIGNATORY

Sateesh G Muttagi Technical Manager

3 | Page

2. Samples will be destroyed after specified retention time.

4. Sample(s) not drawn by us unless otherwise stated.

^{1.} The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

^{3.} This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

^{5.} Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,) Muddapur -587122 Distt. Bagalkot (Karnataka) India	Report Date: 02/09/2022 Date of Receipt of sample:27/08/2022 Test Report No: SIRC/2022/08/4803			
				Test Completed On: 02/09/2022
				Test Performed On: 27/08/2022

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Cement Mill-3	Thimble in zip lock covered

Stack Details

Stack Id	Cement Mill-3
Ambient Temperature ,(°C)	30
Stack Temperature, (°C)	105
Diameter, (m)	3.75
Cross Sectional Area in meter square, (m2)	11.04
Velocity, (m/s)	5.53
Flue gas Discharge, Nm ³ /hr	176315.4
Dust Emission , mg/Hr	2.3

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm^3	12.8(7.6)	30	IS 11255 (P1) 2003
2	Moisture	%	<1	NS	IS 11255 (P1) 2003

Note: NS: Not Specified

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

AUTHORIZED SIGNATORY

Marish

Sateesh G Muttagi Technical Manager

4 | Page

2. Samples will be destroyed after specified retention time.

4. Sample(s) not drawn by us unless otherwise stated.

^{1.} The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

^{3.} This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

^{5.} Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,) Muddapur -587122 Distt. Bagalkot (Karnataka) India	Report Date: 31/08/2022		
	Date of Receipt of sample:25/08/2022		
	Test Report No: SIRC/2022/08/4771		
	Test Completed On: 31/08/2022		
Test Performed On: 25/08/2022	Date of Monitoring:24/08/2022		

Sample Collected By	Sample Nature	Stack 1D	Sample Packing:
SIRC	STACK	Coal Mil	Thimble in zip lock covered

Stack Details

Stack Id	Coal Mil
Ambient Temperature ,(°C)	31
Stack Temperature, (°C)	84
Diameter, (m)	1.80
Cross Sectional Area in meter square, (m2)	2.54
Velocity, (m/s)	5.12
Flue gas Discharge, Nm ³ /hr	39938.7
Dust Emission , mg/Hr	0.5

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm ³	13.58(12)	30	IS 11255 (P1) 2003
2	Moisture	0/0	<1	NS	IS 11255 (P1) 2003

Note: NS: Not Specified

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

AUTHORIZED SIGNATORY

Sateesh G Muttagi Technical Manager

5 | Page

^{1.} The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

^{2.} Samples will be destroyed after specified retention time.

^{3.} This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

^{4.} Sample(s) not drawn by us unless otherwise stated.

^{5.} Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,) Muddapur -587122 Distt. Bagalkot (Karnataka) India	Report Date: 02/09/2022		
	Date of Receipt of sample: 27/08/2022		
	Test Report No: SIRC/2022/08/4804		
	Test Completed On: 02/09/2022		
Test Performed On: 27/08/2022	Date of Monitoring:25/08/2022		

Sample Collected By	Sample Nature	Stack ID	Sample Packing:	
SIRC	STACK	Clinker Cooler Stack	Thimble in zip lock covered	

Stack Details

Stack Id	Clinker Cooler Stack
Ambient Temperature ,(°C)	32
Stack Temperature, (°C)	267
Diameter, (m)	3.86
Cross Sectional Area in meter square, (m2)	12.56
Velocity, (m/s)	6.62
Flue gas Discharge, Nm³/hr	168948.3
Dust Emission , mg/Hr	1.5

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm ³	9.1(11.8)	30	IS 11255 (P1) 2003
2	Moisture	%	<1	NS	IS 11255 (P1) 2003

Note: ND: Not Detected, NS: Not Specified

As per MOEF Standards GSR 612 E dated 25.08 2014. Report Status: - The measured values for the above parameters are within the standards.

AUTHORIZED SIGNATORY

Mouish

Sateesh G Muttagi Technical Manager

6 | Page

^{1.} The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

^{2.} Samples will be destroyed after specified retention time.

^{3.} This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

^{4.} Sample(s) not drawn by us unless otherwise stated.

^{5.} Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer:	Report Date: 31/08/2022		
M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,)	Date of Receipt of sample:25/08/2022		
Muddapur -587122 Distt. Bagalkot	Test Report No: SIRC/2022/08/4772		
(Karnataka) India	Test Completed On: 31/08/2022		
Test Performed On: 25/08/2022	Date of Monitoring: 23/08/2022		

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Crusher	Thimble in zip lock covered

Stack Details

Stack Id	Crusher
Ambient Temperature ,(°C)	32
Stack Temperature, (°C)	58
Diameter, (m)	1.20
Cross Sectional Area in meter square, (m2)	1.13
Velocity, (m/s)	4.93
Flue gas Discharge, Nm³/hr	18495.1
Dust Emission, mg/Hr	0.3

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm ³	17.9	30	IS 11255 (P1) 2003

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

AUTHORIZED SIGNATORY

Marish

Sateesh G Muttagi Technical Manager

7 Page

- 1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.
- 2. Samples will be destroyed after specified retention time.
- 3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
- 4. Sample(s) not drawn by us unless otherwise stated.
- 5. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1sFloor,8th cross Goraguntepalya,Yeshwanthpur Industrial Area,Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur

(Unit: J.K. Cement LTD.,) Muddapur -587122 Dist, Bagalkot

(Karnataka) India

Test Performed On: 02/07/2022

Report Date: 09/07/2022

Date of Receipt of sample:02/07/2022

Test Report No: SIRC/2022/07/3509

Test Completed On: 09/07/2022

Date of Monitoring:01/07/2022

Sample Nature	Stack ID	Sample Packing:
STACK	Crusher	Thimble in zip lock covered
		CTLOW STATE

	Details
Stack Id	Crusher
Ambient Temperature ,(°C)	32
Stack Temperature, (°C)	45
Diameter, (m)	1.20
Cross Sectional Area in meter square, (m2)	1.13
Velocity, (m/s)	4.83
Flue gas Discharge, Nm³/hr	18869.4
Dust Emission, mg/Hr	0.4

Results

S.No	Parameters	Unit	Results	Limits	Method
	Particulate Matter	mg/Nm ³	21.3	30	IS 11255 (P1) 2003

INFERENCE

As per KSPCB Standards,

Report Status: - - The measured values for the above parameters are within the standards.

AUTHORIZED SIGNATORY

Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the tested somples & applicable parameters. Endursement of product is newher inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used at evidence in the court of law & should not be used in any advertising media without our special permission in writing

Sample(s) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the invesce amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.

*****We Provide Environmental Services



#91/43,1ºFloor,80º cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. E-mail:sircbangalore@vahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: M/s, JK Cement Works, Muddapur (Unit: J.K. Cement LTD.) Muddapur -587122 Dist. Bagalkot (Karnataka) India	Report Date: 09/07/2022		
	Date of Receipt of sample:02/07/2022 Test Report No: SIRC/2022/07/3508		
	Test Performed On: 02/07/2022	Date of Monitoring:01/07/2022	

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Clinker Cooler Stack	Thimble in zip lock covered

Stack Details

Stack Id	Clinker Cooler Stack
Ambient Temperature ,(°C)	32
Stack Temperature, (⁶ C)	289
Diameter, (m)	4.00
Cross Sectional Area in meter square, (m2)	12.56
Velocity, (m/s)	6.75
Flue gas Discharge, Nm³/hr	165608.5
Dust Emission, mg/Hr	1.7

Results

S.No	Parameters	Unit	Results	Limits	Method
	Particulate Matter	mg Nm	10,4	30	IS 11255 (P1) 2003
2	Moisture	U _{TO}	<1	NS	IS 11255 (P1) 2003

Note: ND: Not Detected, NS: Not Specified

INFERENCE

As per KSPCB Standards,

Report Status: - - The measured values for the above parameters are within the standards

AUTHORIZED SIGNATORY

Sateesh G Mintagi Technical Manager

NOTE

1. The results haved refer only to the tested samples & applicable pur unoters Endorsement of product is neither inferred nor implied

2. Samples will be destroyed after specified retainion time.
3. Our seport is not to be reproduced wholly or in part & various or used as avadones in the court of law & should not be used in any advertising media without our special permission in writing.
4. Samplets) not drawn by us unless otherwise stated

5. Total liability of our luberators is limited to the invoice annual any dispate arising out of this report is subjected to Bangalore Artisdiction only.

www.We Provide Environmental Services ----



#91/43,1stFloor,8th cross Goraguntepalya,Yeshwanthpur Industrial Area,Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC.

ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer; M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,)

Muddapur -587122 Dist. Bagalkot

(Karnataka) India

Test Performed On: 02/07/2022

Report Date: 09/07/2022

Date of Receipt of sample:02/07/2022

Test Report No: SIRC/2022/07/3507

Test Completed On: 09/07/2022

Date of Monitoring:01/07/2022

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Coal Mil	Thimble in zip lock covered

Stack	Details
Stack Id	Coal Mil
Ambient Temperature,(°C) .	31
Stack Temperature, (°C)	78
Diameter, (m)	1.80
Cross Sectional Area in meter square, (m2)	2.54
Velocity, (m/s)	5.08
Flue gas Discharge, Nm³/hr	40278.6
Dust Emission, mg/Hr	0.6

Results

S.No	Parameters	Unit	Results	Limits	Method
	Particulate Matter	mg/Nm³	14.56	30	IS 11255 (P1) 2003
2	Moisture	0/0	<1	NS	IS 11255 (P1) 2003

Note: NS: Not Specified

INFERENCE

As per KSPCB Standards,

Report Status: - - The measured values for the above parameters are within the standards.

AUTHORIZED SIGNATORY

Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the texted samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2 Samples will be destroyed after specified retention time.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample's) not drawn by us unless otherwise stated

5. Total hability of our laboratory is hunted to the invoice amount. Any dispute arising our of this report is subjected to Bangalore hunsiliction only. *****We Provide Environmental Services-***



#91/43,1 Floor,8th cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. I-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: M/s, JK Cement Works, Muddapur (Unit: J.K. Cement LTD) Muddapur -587122 Dist. Bagatkot (Karnataka) India	Report Date: 06/07/2022
	Date of Receipt of sample:01/07/2022
	Test Report No: SIRC/2022/06/3430
	Test Completed On: 06/07/2022
Test Performed On: 01/07/2022	Date of Monitoring:29/06/2022

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	Cement Mill-3	Thimble in zip lock covered

Stack Details		
Cement Mill-3		
30		
98		
3.75		
11.04		
5.48		
177971.0		
1.7		

Results

S.No	Parameters	Unit	Results	Limits	Method
1	Particulate Matter	mg/Nm²	9.5	30	IS 11255 (P1) 2003
2	Moisture	£ 0	<1	NS	IS 11255 (P1) 2003

Note: NS: Not Specified

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

Sateesh G Muttagi Technical Manager

NOTE

- I, the results listed refer only to the leated samples & applicable
- Samples will be desired after specified referring time
 This report is not to be reproduced wholly as in part & summ or weed as evidence in the court of time & should not be used in any advertising media without out
- special permission in writing.

 4. Sample(s) not drawn by us unless otherwise stated.
- 5. Foral liability of our laborators is limited to the invaice amount. Any dispute arising out of this report is subjected to Bungaloue Jurisdiction only.

....We Provide Environmental Services



#91/43,1*Floor,8th cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur (Unit: J.K., Cement LTD.,) Muddapur -587122 Dist. Bagalkot (Karnataka) India	Report Date: 06/07/2022
	Date of Receipt of sample: 01/07/2022
	Test Report No: SIRC/2022/06/3429
	Test Completed On: 06/07/2022
Test Performed On: 01/07/2022	Date of Monitoring:29/06/2022

Sample Collected By	Sample Nature	Stack ID	Sample Packing:	
SIRC	STACK	Cement Mill-2	Thimble in zip lock covered	

Stack	Details
Stack Id	Cement Mill-2
Ambient Temperature (°C)	31
Stack Temperature, (⁶ C)	105
Diameter, (m)	1.25
Cross Sectional Area in meter square, (m2)	1.23
Velocity, (m/s)	5.27
Flue gas Discharge, Nm³/hr	18717.9
Dust Emission, mg/Hr	0.3
Dust Emission, mg/Hr	0.3

Results

S.No	Parameters	Unit	Results	Limits	Method
1 1	Particulate Matter	mg/Nm	17.2	30	IS 11255 (P1) 2003
3	Moisture Not Specified	0/0	<1	NS	IS 11255 (P1) 2003

As per KSPCB Standards, INFERENCE

Report Status: - - The measured values for the above parameters are within the standards.

AUTHORIZED SIGNATORY Sateesh G Muttagi Technical Manager

NOTE

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
4. Samplets) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the involve amount. Any dispute avising out of this report is subjected to Bangalore characterism only. *****We Provide Lucironmental Services....



#91/43,1 Floor,8 Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. F-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer:	Report Date: 06/07/2022	
M/s, JK Cement Works, Muddapur (Unit : J.K. Cement LTD.,) Muddapur -587122 Dist. Bagalkot	Date of Receipt of sample:01/07/2022	
	Test Report No: SIRC/2022/06/3427	
(Karnataka) India	Test Completed On: 06/07/2022	
Test Performed On: 01/07/2022	Date of Monitoring: 29/06/2022	

Sample Collected By	Sample Nature	Stack ID	Sample Packing:
SIRC	STACK	RAW MILL	Thimble in zip lock covered

Stack Details				
Stack Id	RAW MILL			
Ambient Temperature ,(°C)	32			
Stack Temperature, (°C)	176			
Diameter, (m)	5.00			
Cross Sectional Area in meter square, (m2)	19.63			
Velocity, (m/s)	5.74			
Flue gas Discharge, Nm³/hr	275693.1			
Dust Emission, mg/Hr	2.5			

Results

S.No	Parameters	Unit	Results	Limits	Method
Ţ	Particulate Matter	mg/Nm ³	9.2	30	IS 11255 (P1) 2003
~3	Moisture	No.	<1	NS.	IS 11255 (P1) 2003
3	Sulphur Dioxide	mg/Nm ³	ND	NS =	IS 11255 (P2) 2003
d	Oxides of nitrogen	mg/Nm²	481	NS	Flue gas analyzer

Note: ND: Not Detected, NS: Not Specified

INFERENCE	As per KSPCB Standards,
TATERENCE	Report Status: The measured values for the above parameters are within the standards

AUTHORIZED SIGNATORY

Sateesh G Muttagi Lechnical Manager

SOIL

- 1. The results listed refer only to the rested samples & applicable parameters. Endorsement of product is nother inferred nor implied.
- 2. Samples will be destroyed after specified retention time.
- 3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any indicentising media warrant our special permission in writing.

special permission in writing.

4. Sample(s) not drawn by us unless other vise stened

5. Total habitity of our laboratury is launcel to the procees amount, the dispute anxing out of this report is subjected to Europatin's launcel to the procees amount.

....We Provide Unaironmental Services

J.K. Cement WORKS, MUDDAPUR (KARNATAKA)

(Unit: J.K. Cement Ltd.)

Noise monitoring report of Cement & Power Plant for April-22 to June-22 & July-22 to Sept-22

Annexure-4

		-	Ambient No	nise		Annex	uic i
						T	
SI.	Location Name	April-22 to June-22		July-22 to Sept-22		Average	
No.		Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB) Leq	Day (dB) Leq	Night (dB Leq
1	Boundary side	71.6	67.5	70.2	68.5	70.9	68.0
2	Administrative Building	68.5	66.4	66.5	65.8	67.5	66.1
3	Lime Stone gate	73.5	70	73.5	72.8	73.5	71.4
4	Despatch gate	70.8	69.5	70.8	69.2	70.8	69.4
5	Near QC Lab.	63.2	60.5	61.7	60.5	62.5	60.5
6	Near Canteen	65.9	63.8	67.5	66.4	66.7	65.1
7	Plant main gate	66.4	63.2	62.8	61.5	64.6	62.4
8	General Store	62.5	60.7	64.6	65.7	63.6	63.2
		V	Vork zone l	Noise	171170711		300.12
SI.	Location Name	April-22 to June-22		July-22 to Sept-22		Average	
No.		Day (dl	B) Leq	Day (dB	3) Leq	Day (dl	B) Leq
1	Lime Stone Crusher	84	.5	80.5		82.5	
2	Kiln/ Cooler	82	.5	82.8		82.7	
3	Kiln Platform	80	.6	80.5		80	.6
4	Power Plant	50	.8	48.7		49.8	
5	Coal Yard	61	.8	62.5		62	.2
6	Slag yard	64	.3	61.	6	63.0	
7	Gypsum yard	60	.2	60.2		60	-000
8	Raw mill proporting hopper	70	.8	68.6		69.7	
9	coal mill	78	.3	74.2		76.3	
10	Near silo clinker loading point	76	.7	70.8		73.8	
11	CM-1 weigh feeder	74	.5	72.6		73.6	
12	CM-2 weigh feeder	72	.8	70.7		71.8	
13	Cement silo Packer-1	78	.6	81.5		80.1	
14	Cement silo Packer-2	80	.2	73.4		76.8	
15	Cement silo Packer-3	78	.5	74.6		76.6	
16	Cement silo Packer-4	83	.5	81.5		82.5	
17	Truck Loading point- 1	71	.7	71		71	0.2
18	Truck Loading point- 2	70	.3	69		69	
19	Truck Loading point- 3	72	.8	74.		73	
20	Truck Loading point- 4	70		76.	**	73	
21	Slag mill weigh feeder	66	ITE-	67.		67	

Vani Patil Monitored by

Vinit Kumar Sharma Checked by





#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

TEST REPORT

Name and Address of Customer:	Report Date: 02/09/2022		
M/s. JK Cement Works, Muddapur (Unit: J.K. Cement LTD.,)	Date of Receipt of sample: 26/08/2022 Test Report No: SIRC/2022/08/4791-4798		
Muddapur -587122 Distt. Bagalkot (Karnataka) India			
	T4 C		
Test Performed On: 26/08/2022	Test Completed on: 07/07/2022		

RESULTS

Sample Collected By Sample Nature Fugitive Emission Monitoring		Sample Location	Sample Condition on Receipt	
		Mentioned Below	Satisfactory	
Job Code		Locations	SPM (ug/m3)	Fugitive emission standard as per CPCB
4791	Near slag Stora	age shed	1422.5	
4792	92 Near Gypsum Storage Shed		1033.0	
4793	Near Cement N	Mill Area	1184.1	
4794	Near Laterite S	Storage Area	1306.6	5000µg/m3
4795	Near Cement F	Plant Coal Storage Shed	1495.8	
4796	Near Lime Stor	ne Crusher area	1366.3	
4797	Near Packing I	Plant area	1450.4	
4798	Near CPP Coa	I storage shed	1334.3	2000µg/m3

Mouish AUTHORIZED SIGNATORY

> Sateesh G Muttagi Technical Manager

8 | Page

^{1.} The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

^{2.} Samples will be destroyed after specified retention time.

^{3.} This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

^{4.} Sample(s) not drawn by us unless otherwise stated.

^{5.} Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.





#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC. ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

STP WATER ANALYSIS REPORT

JK Ceme	d Address of Cu ent Works, Mud	ldapur(Unit :	Date of Receipt of sample: 27/08/2022			
	ent LTD.,) Mude		Test Performed On: 29/08/2022			
Dist. Dag	Dist. Bagalkot (Karnataka) India		Test Completed On: 10/09/2022			
			Report Date: 10/09/2022			
ULR No:	ГС8462220000017	775P	Test Report No: SIRC/2022/08/4882			
SI.	Parameters	Protocol	Result	Standards As per		
No	r ar ameters	Protocol	STP Out Let	IS:3025		
1.	рН	APHA 23 rd Edition-2017,4500H+B	8.5	6.5-9.0		
2.	Total Suspended	APHA 23 rd Edition-2017,2540 D	18	20		
3.	BOD, mg/lt, 3 days at 270 C	APHA 23 rd Edition- 2017, 5210B	8.8	10		
4.	COD, mg/lt	APHA 23rd Edition- 2017, 5220B	29	50		
5.	Ammonical Nitrogen mg/lt	APHA 23 rd Edition-2017, 4500 NH3C	2	05		
6.	Phosphorous as P	APHA 23rd Edition-2017, 4500 P D	0.86	2		
7.	Total Nitrogen mg/lt	APHA 23rd Edition-2017, 4500- NO3E, 4500 NH3C ,4500Norg	6	10		
8.	Faecal Coliforms, cfu/100ml	APHA 23rd Edition-2017, 9222 D		250		
	Composit about the composition of the composition o		Absent			



AUTHORIZED SIGNATORY

Dr.Siddalingeshwara K G Quality Manage

11 | Page

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample(s) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwantpur Industrial Area Bangalore-560022. mail:sircbangalore@yahoo.com. Ph: 080-23479900. www.sircblr.in

Recognized by MoEF& CC.

ISO/IEC 17025:2017 - NABL Accredited Laboratory. ISO 9001:2015 &ISO 45001:2018 Certified Laboratory

STP WATER ANALYSIS REPORT

ement	d Address of Cus Works, Muddapu	r(Unit : J.K.	Date of Receipt of sample: 08/07/2022								
Cement LTD.,) Muddapur -587122 Dist. Bagalkot (Karnataka) India			Test Performed On: 09/07/2022 Test Completed On: 16/07/2022 Report Date: 18/07/2022								
									Test Report No: SIRC/2022/07/3802		
						SI. No	Parameters	Protocol	Result	Standards As per IS :3025	
NO		STP Out Let									
1.	рН	APHA 23rd Edition-2017,4500H+B	8.7	6.5-9.0							
2.	Total Suspended Solids	APHA 23rd Edition-2017,2540 D	16	20							
3.	BOD, mg/lt, 3 days at 27°C	APHA 23 rd Edition- 2017, 5210B	8.6	10							
4.	COD, mg/lt	APHA 23rd Edition- 2017, 5220B	25	50							
5.	Ammonical Nitrogen mg/lt	APHA 23 rd Edition-2017, 4500 NH ₃ C	2	05							
6.	Phosphorous as P	APHA 23rd Edition-2017, 4500 P D	0.99	2							
7.		APHA 23rd Edition-2017, 4500- NO3E, 4500 NH3C ,4500Norg	6.4	10							



AUTHORIZED SIGNATORY Dr.Siddalingeshwara K G

Quality Manage

1 | Page

1. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is neither inferred nor implied.

2. Samples will be destroyed after specified retention time.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Sample(s) not drawn by us unless otherwise stated.

5. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subjected to Bangalore Jurisdiction only.



#91/43,1stFloor,8th cross Goraguntepalya, Yeshwanthpur Industrial Area, Bangalore-560022. E-mail:sircbangalore@yahoo.com. Web site: www.sircblr.in Mob:8494900231, 8892972297, 9632917186

Recognized by MoEF&CC. ISO 9001:2015 & OHSAS 45001:2018 Certified Laboratory.

TEST REPORT

Name and Address of Customer: M/s. JK Cement Works, Muddapur

(Unit: J.K. Cement LTD.,) Muddapur -587122 Dist. Bagalkot (Karnataka) India

Date of Receipt of sample: 08/07/2022

Test Performed On: 09/07/2022

Test Completed On: 16/07/2022

Report Date: 18/07/2022

Test Report No: SIRC/2022/07/3802

Biological Testing

		Sample Description		Sample Location	Sample Condition on Receipt
		STP Out !	et Water	Company Premises	Satisfactory
SL No	Test Param	eter	Result	Limit as per KSPCB	Test Method
1.	Faecal Coliforms, ctu/100m1		Absent	Less than 250	APHA 23 rd EDITION, 2017, 9222 D

Note: The above tested parameters are within the limits (As per KSPCB)

AUTHORIZÆD SIGNATORY Dr. Siddalfingeshwara K. G. Quality Manager

NOTE

- t. The results listed refer only to the tested samples & applicable parameters. Endorsement of product is weather inferred nor implied.
- 2 Samples will be destroyed after specified retention time.
 3. This report is not to be reproduced wheil) or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
- 4. Sample(s) not drawn by us unless otherwise stated.
- 5. Total habitity of our laboratory is limited to the investee amount. Sur dispute arising our of this report is subjected to Bangalore Jurisdiction only

****-We Provide Environmental Services

Annexure-7	
EXPENDITURE ON THE ENVIRONMENTAL MANAGEMENT PLAN FOR THE PERI SEPTEMBER-22	OD OF APRIL-22 TO
DESCRIPTION	Expenditure (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	
Fly ash Silo's and ash handling systems	87.55
Emission Monitoring equipment (including online emission monitoring equipment (CEMS) at sources and ambient air quality in the vicinity) and laboratory	3.52
Green Belt Development, Sewage Treatment plant and Water Harvesting Schemes for plant	25.96
Extra expenditure on green purchase (Purchase of green fuel, recycled materials or any other such purchase (AFR purchase, Fly ash and Slag purchase) to reduce environmental footprint	1077.33
Other environmental management costs (AFR system operation, odour control, environmental training/Award, SNCR system CPP, Environmental License Fees)	40.39
TOTAL (Rs in Lakhs)	2131.88

Prepared By Vinit Kumar Sharma

Checked by Veerbhadrarao Vetcha

Annexure-8 JK CEMENT WORKS, MUDDAPUR

	DETAILS OF CSR ACTIVITY UNDERTAKEN DURING April-2022 to Se	pt-2022
SL NO	Particulars	Amount (Rs)
1	Providing New desks for Govt. college	477280
2	Running and maintenance of Sir Padampat School	549199
3	Education aid and support	30000
4	Road infrastructure development in Local village	630668
5	Pooja/ Fair/Festival/temple contributions	642000
6	Rural development & other welfare activities	1195000
7	Health Camp at nearby village Halki	12,500
8	Promoting Rural sports, Nationally recognized sports	120000
9	Health Camp at nearby village Halki, medical and health care activity.	109962.4
10	Promotion of education, upliftment of education quality for the surroundi	82292
11	Pooja/ Fair/Festival/temple contribututions/Rural development.	193,615
12	Rural development & other welfare activities	585440
13	Promoting Rural sports, Nationally recognized sports	15000
	Grand Total	4642956

Vinit Kumar Sharma

VeerbhadraRao Vetcha