

JKLC/DU/ENV/MoEF/07

Dated:- 27.10.2025

To,
Deputy Inspector General of Forest
Ministry of Environment Forest and Climate Change
Sub- Regional office , Raipur
Aranya Bhawan, North Block, Sector-19,
Naya Raipur, Atal Nagar, Chhattisgarh

Sub: Submission of Half Yearly EC Compliance Report 2025 for the period April 2025 To September 2025 for M/s JK Lakshmi Cement Limited Durg (CG)

Ref: MoEF & CC Clearance letter no. J-11011/1170/2007-IA II(I) Dated 13th May 2009 and validity extension of EC on 04.09.2015 & EC Amendment on 27 Feb 2010, 23 July 2015, 07 June 2017, 20 July 2018, and 14 November 2018)

Sir,

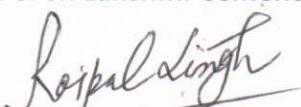
As per Environment Clearance given by MoEF & CC vide its letter no. J-11011/1170/2007-IA II (I) Dated 13.05.2009, we are hereby submitting half yearly compliance report for our Integrated Cement Plant (Clinker 1.98 MTPA, Cement 5 MTPA), Captive Thermal Power Plant (20 MW) and Waste Heat Recovery Based Power Plant – (10 MW) situated at village- Malpuri –Khurd, khasadih, and for Lime stone Mines (Limestone production capacity 4.8 MTPA from 267.695 ha & 252.105 ha) situated at village- Semariya, Ghikuriya and Nandini Kundini, Tehsil- Dhamdha, District Durg, C.G. for the period of “April 2025 to September 2025”.

It may be noted that we are forwarding, half yearly compliance report with annexures through mail on the mail address: iro.raipur-mefcc@gov.in for your reference.

Thanking you

Yours Faithfully

For JK Lakshmi Cement LTD.



Rajpal Singh

(Plant Head - Works)

Encl: As above

CC: 1. Regional Officer- Chhattisgarh Environment Conservation Board , Bhilai, Dist.- Durg. (CG)
2. Member Secretary Chhattisgarh Environment Conservation Board, Paryawas Bhavan, North Block Sector-19, Atal Nagar, Raipur (C.G.) 492002
3. Zonal Officer- Central Pollution Control Board- Parivesh Bhawan E-5 Paryavan Parisar Arera Colony Bhopal- 462016

**ENVIRONMENTAL CLEARANCE CONDITION COMPLIANCES AS STIPULATED IN ENVIRONMENTAL
CLEARANCE AND THEIR SUBSEQUENT AMENDMENTS, FOR
JK LAKSHMI CEMENT LTD., INTEGRATED CEMENT PLANT AND LIMESTONE MINES**

MOEF (I.A. Division) granted EC vide F. No. J-11011/1170/2007-IA II (I) for Integrated Cement Plant (Clinker, 3.0 MTPA, Cement 10.0 MTPA), Limestone mine (4.8 MTPA, 267.695 ha and 281.339 ha) and Captive Power Plant (40 MW) dated 13th May 2009.

Subsequently MOEF & CC has given extension of validity of Environmental clearance vide F. No. J-11011/1170/2007-IA II (I), which was obtained for completion of balance works of phase-I dated 4th September 2015.

- EC Amendment was made by MOEF vide F. No. J-11011/1170/2007-IA II (I) regarding change of plant location dated 27th February 2010.
- EC Amendment was made by MOEF & CC vide F. No. J-11011/1170/2007-IA II (I) regarding change of mode of limestone transport dated 23rd July 2015.
- EC Amendment was made by MOEF & CC vide F. No. J-11011/1170/2007-IA II (I) regarding opening of second pit in the ML area of project dated 07th June 2017. However, there were no conditions specified in this amendment.
- EC Amendment was made by MOEF & CC vide F. No. J-11011/1170/2007-IA II (I) regarding reduction of mining lease area from 281.339 ha to 252.105 ha and interception of ground water table during mining operation dated 20th July 2018.
- EC Amendment was made by MOEF & CC vide F. No. J-11011/1170/2007-IA II (I) regarding change in configuration of Clinker production of 1.5 MTPA to 1.98 MTPA through Up-gradation and Optimization in Phase-I under the provisions of EIA Notification, 2006. Dated 14th November 2018

COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE

(Ref: F. No. J – 11011/1170/2007 – IA II (I) dated 13th May, 2009)

(Period- APRIL -2025 to SEP -2025)

Sr. No.	CONDITIONS	STATUS OF COMPLIANCE
i	continuous monitoring system to monitor gaseous emission shall be provided and the limit of SPM shall be controlled within 50 mg/Nm ³ by installing an adequate air pollution control system.	<ul style="list-style-type: none">Continuous Emission monitoring System for the monitoring of Sox, NOx and CO is installed at RABH stack and Opacity meter are installed at all major stacks for the monitoring of the SPM. The emission of SPM is maintained below 30 mg/Nm³ as we have installed state of art Air Pollution Control Equipment with adequate capacities. Pl. refer Annexure 1.
ii	High efficiency electrostatic precipitators (ESPs) to clinker cooler and AFBC boiler (CPP); bag house to raw mill / kiln system, coal /pet coke mill system and cement mill, bag filters to crushing plant, raw mill hopper, blending silo / kiln feed, clinker storage, cement mill hopper, cement silo, transfer points, packing plant etc shall be provided to reduce pollution and gaseous emissions to <50 mg/Nm ³ . AFBC boilers shall be installed to control SO ₂ and NOx emissions. At no time, particulate emissions from the cement plant shall exceed 50 mg/Nm ³ . All the pollution control equipment's in raw mill / kiln, kiln feeding system, clinker cooler, coal mill, cement mill and cement silo shall be interlocked so that the event of the pollution control equipment not working, the respective unit (s) is shut down automatically. Continuous stack monitoring facilities for all the stacks and adequate air pollution control systems shall be provided and data submitted to the Ministry's Regional Office Bhopal half yearly, CPCB and CECB quarterly.	<ul style="list-style-type: none">Reverse Air Bag House Installed at Raw Mill/Kiln system. High efficiency Electrostatic precipitator installed at Clinker Cooler. Pl. refer Annexure 2The mills including Coal mill, Slag Mill, Cement Mill -1 and -2 are fully equipped with the efficient bag filters Pl. refer Annexure 2.Efficient dust extraction systems (Bag filters) are installed at all transfer points, such as - conveyors, crushing plants, Material handling units, materials storage area, storage silos to maintain the emission level Below 30 mg/Nm³. Pl. refer Annexure 2.Interlocked systems has been already provided at all major Air pollution control equipment for auto shut down in case of failure of any pollution control equipment.Continuous Stack emission monitoring data are being uploaded on the CPCB server. Pl. refer Annexure 1 .Half yearly compliance report is being submitted timely to MOEFCC regional office and Quarterly Environment Report submitted to CPCB and CECB.
iii	Ambient air quality monitoring stations shall be set up in the down wind direction as well where maximum ground level concentration of SPM, SO ₂ and NOx are anticipated as per statutory requirement in consultation with Chhattisgarh Environment Conservation Board (CECB). Ambient	<p>Being Complied.</p> <ul style="list-style-type: none">To continuously monitor Ambient Air- Continuous ambient air monitoring system are already installed at Plant and Mines premises. <p>Pl. refer Annexure 3.</p>

	<p>air emission 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 CECB and data submitted to the Ministry's Regional Office at Bhopal half –yearly, CPCB and CECB quarterly.</p>	<ul style="list-style-type: none"> • Data of ambient air quality monitoring are being displayed on a display board installed at the main gate of the Cement Plant & Limestone Mine. • Ambient air quality monitoring report are being submitted to the concerned authority as per given time.
iv	<p>The fugitive emissions during loading and unloading should be suitably controlled by installing adequate dust collection and extraction system and at all the transfer points. Fugitive emissions shall also be controlled by providing silos and closed roof sheds for raw materials and product. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas to prevent fugitive emissions. Bag filters shall be provided to coal and limestone handling system. Dust suppression system and water spraying shall be provided in the mine area to control fugitive emissions due to drilling and handling and transportation of general public.</p>	<ul style="list-style-type: none"> • Efficient dust collection and extraction systems (Bag filters) are installed at all loading, unloading and all transfer points. • All the raw materials including limestone, Coal, Slag & Gypsum etc. are being stored in the closed sheds. • Silos are provided for the storage of Clinker, Fly ash and Cement. Pl. refer Annexure 4 (A) • Efficient Bag Filters are provided at Coal and Limestone handling systems. • Dust Suppression and water sprinkling, systems have been already provided at mines area. • Wet drilling method is being imparted to control the dust emission during drilling. • 02 No water tankers engaged for dust suppression purposes at Plant & Mines. Pl. refer Annexure 4 (B)
v	<p>Data on ambient air quality, stack emission and fugitive emissions shall be uploaded on the company website and also regularly submitted on- line to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and Central pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO2 and NOx shall also be displayed prominently outside the premises at the appropriate place for the information of general public</p>	<ul style="list-style-type: none"> • Data of ambient air quality monitoring are being displayed on display board installed at main gate of the Cement plant & Mines for the information of general public. <p>Pl. refer Annexure 5.</p> <ul style="list-style-type: none"> • Connectivity of online ambient air quality monitoring and stack emission monitoring data with CPCB server has been provided. • Data on ambient air quality, stack emission and fugitive emissions are being uploaded on the company website along with Half yearly EC Compliance report. <ul style="list-style-type: none"> • Link for the online server are - https://rtdms.cpcb.gov.in/#/p/industry-login • http://cecb.glensserver.com/ • www.envsaindia.com/cpcb/login.php
vi	<p>Secondary fugitive emissions from all the sources shall be controlled within the permissible limits by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.</p>	<ul style="list-style-type: none"> • All necessary measure has been taken to control the Secondary fugitive emissions within the permissible limits. To arrest the secondary fugitive emission from the sources, we have also truck mounted /vacuum cleaning road sweeping

		<p>machine. Pl. refer Annexure 6.</p> <ul style="list-style-type: none"> • Guideline of Practice issued by the CPCB is being followed. • Green belt has been developed along with roadside to arrest the fugitive dust emission. Pl. refer Annexure 7.
vii	Asphalting /Concreting of roads and water spray all around the critical areas prone to air pollution and having high levels of SPM and RPM shall be ensured.	<ul style="list-style-type: none"> • The plant and mines area have concrete roads for road transportation. Pl. refer Annexure 7. • 02 no's water tanker have been provided for dust suppression purposes at Mines houl roads and plant premises. Pl. refer Annexure 4(B). • We are ensuring that to reduce the high levels of SPM and RPM emission.
viii	No new pit shall be opened till old pit is exhausted	<ul style="list-style-type: none"> • Noted and agreed. • Please note that EC amendment has been obtained from MOEF &CC vide letter no. J-110/1770/2007-IA II (I) dated 07.06.2017 to facilitate use of low-grade limestone (Mineral Conservation) for blending with high grade limestone to optimize life of mine. <p>Pl. refer Annexure 8.</p>
ix	Efforts shall be made to reduce the impact of the transport of raw materials and end products on the surrounding environment, including agricultural land. All the raw materials, including fly ash, shall be transported in closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored.	<ul style="list-style-type: none"> • Being complied • All the raw materials transported with tarpaulin covered trucks. And fly ash is being transported in closed containers/bulkers. • It is being ensured that raw material vehicles are not overloaded. • Vehicular emission is being monitored on a regular basis through PUC checking. <p>Pl. refer Annexure 9.</p>
x	Total water requirement from Shivanath River and bore wells shall not exceed 4500 m ³ /day. The water stored in the artificial reservoir made in the mines pit shall be used maximum to reduce ground water consumption. Air cooled condensers shall be provided to CPP to reduce water consumption. The process effluent from CPP treated in neutralization pit shall be recycled back in the process after treatment and used for cooling and dust suppression. Mining shall not intercept ground water tables. No effluent shall be discharged from the cement plant, captive power plant and limestone mines and 'Zero' discharge should be strictly followed. Domestic wastewater shall be treated in sewage treatment	<ul style="list-style-type: none"> • Being complied • Domestic wastewater is being treated through root zone technology-based Sewage Treatment plant with installed capacity 70 m³/day is under operation and the treated water is being utilized for the Dust suppression and green Belt development at Plant and Mines premises. Pl. refer Annexure 10. • Air cooled condenser is provided in CPP to reduce water consumption. Pl. refer Annexure 11. • Zero discharge is being maintained which is being strictly followed • Approval for interception of ground water table during mining operation has already been obtained by EC amendment from MOEF & CC vide

	plants (STP) and used for green belt development.	letter no. J-11011/1770/2007-IA II (I) dated 20 July 2018. • Pl. refer Annexure 12.
xi	Permission for the drawl of 4500 m ³ /day water from Shivanath river and ground water from CGWA/SCWP / concern department shall be obtained and copy of the permission shall be submitted to the Ministry's Regional office at Bhopal.	<ul style="list-style-type: none"> Permission for the drawl of water from Shivanath river for the industrial purpose has been obtained from Water Resource Department and ground water permission from borewells has been already obtained from Central ground water board. Copy of both permission is enclosed in Annexure 13.
xii	Detailed hydrological study shall be carried out and implementation of recommendations of the detailed hydrological study shall be ensured.	<ul style="list-style-type: none"> Detailed hydrological study has been carried out and the status of compliances being regularly submitted to the CGWA. To recharge the ground water, we have constructed 53 no's rainwater harvesting pit, 02 no's conservation pond within plant and mines premises to recharge the ground water @ 16 Lacs m³/year based on 1000 mm average rainfall /year. <p>Pl. refer annexure 14</p>
xiii	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from Pollution control devices shall be recycled and reused in the process and used for cement manufacturing. STP sludge shall be used as manure. Waste oil shall be sold to authorized recyclers/re-processors only.	<ul style="list-style-type: none"> All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from Pollution control devices are being recycled and reused in the process and used for cement manufacturing. We have installed root zone technology based STP to treat the wastewater generated from worker colony and there is no generation of sludge. The generated waste oil is being sold to authorized recyclers as and when required.
xiv	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	<ul style="list-style-type: none"> Being complied. High calorific hazardous waste is being co-processed in cement kiln thought AFR system .Pl. refer annexure - 15
xv	Effort shall be made to use low grade lime, more fly ash and solid waste in cement manufacturing.	<ul style="list-style-type: none"> Being complied. EC amendment has been obtained by MOEF and CC vide letter no. J-110/1770/2007-IA II (I) dated 07.06.2017 to facilitate use of low-grade limestone (Mineral Conservation) for blending with high grade limestone to optimize life of mine. Pl. refer annexure no. 16
xvi	The action plan for mining, management of over burden (removal, storage, disposal etc.,) reclamation of the mined-out area and mines closure shall be submitted to the Ministry and its Regional office at Bhopal.	<ul style="list-style-type: none"> Action plan for mining, management of over burden (removal, storage, disposal etc.,) reclamation of the mined-out area and mines closure has already been submitted to the Ministry and its Regional office at Bhopal. It is

		<p>being done as per the approved mining plan.</p> <p>submitted to the concern authority vide letter No. JKLC/Durg/Env/1109 dated 12.12.2011.</p>
xvii	All the fly ash should be utilized as per Fly Ash Notification, 1999 subsequently amended in 2003. Effort shall be made use fly ash generated from the captive power plant maximum in manufacturing Pozzolana Portland Cement (PPC)	<ul style="list-style-type: none"> • Being complied • The generated fly ash from CPP is being utilized in our own cement plant for the manufacturing of Cement. Pl. refer annexure-17
xviii	As proposed, green belt shall be developed in at least 78 ha (38%) out of total 210 ha area in the cement plant area and all the mined-out area except used for reservoir to reduce impact of fugitive emissions as per Central Pollution Control Board (CPCB) guidelines in consultation with DFO	<ul style="list-style-type: none"> • JK Lakshmi Cement Ltd follows green practices that confirm with Green Globe Standards and is a responsive partner in ensuring a brighter tomorrow for future generations and Conservation of Environment. at about 40 no's of workers engaged in plantation work around the boundary as well in the mines area to maintain the plantations. • In our integrated cement plant total 1,11,139 native species plants have been planted in 79 ha out of 200.26 ha of land at plant premises which is more then 39 percent total land of plant, in which survival rate is at about more then of 90 percent • Limestone Mines area (covering ML-I, ML-II and ML-III) planted 2,35,473 native species plants in an area of 128.15. Ha, including within lease & outside of lease in which survival rate is at about more then of 90 percent . • Two water tankers have been engaged for watering these plants. • Pl. Refer Annexure - 18
xix	Wet drilling blasting method and provision for the control air emissions during blasting using dust collectors etc. shall be used.	<ul style="list-style-type: none"> • Wet drilling/controlled blasting technique is being used to control the dust emission during blasting. Pl refer annexure- 19.
xx	Bench height, width and slope for individual bench shall be properly assessed and implemented. Adequate measures shall be adopted to stabilize the slope before abandonment. The fencing around the reservoir shall be provided to prevent accidents.	<ul style="list-style-type: none"> • Being complied. • Mining operations is carried out as per the Approved Mining plan. • The fencing around the reservoir has been provided to prevent accidents. <p>Pl. refer annexure 20.</p>
xxi	The company shall obtained necessary	

	clearances/ approval from the concerned Departments i.e. 'No Objection Certificate' from the Chhattisgarh Environment Conservation Board (CECB) , Indian Bureau of Mines, State Government, MoEF & CC etc. for the linking mining component before undertaking any construction activity at the project site.	<ul style="list-style-type: none"> • Obtained all necessary Clearances /Approval from statutory concerned Department.
xxii	All the safety norms stipulated by the Director General, Mines and Safety (DGMS) shall be implemented.	<ul style="list-style-type: none"> • DGMS guideline is Being followed • The necessary Personal Protective Equipment (PPEs) has already been provided to the employees and workers. Pl. refer Annexure- 21.
xxiii	The rehabilitation and resettlement plan for the project affected population including tribals as per the policy of the State Govt. of Chhattisgarh in consultation with the State Govt. shall be implemented. Compensation paid in any case shall not be less than norms prescribed under the National Resettlement and rehabilitation Policy '2007	<ul style="list-style-type: none"> • Rehabilitation and resettlement plan is not applicable to us.
xxiv	All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) guidelines shall be followed implemented.	<p>Noted and Being Followed. CREP guideline compliance is attached in annexure- 22.</p>
xxv	The company shall provide housing for construction labor within site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<ul style="list-style-type: none"> • The company has provided housing for labour within site with all necessary infrastructure and facilities like fuel for cooking, toilets, safe drinking water, medical health care, etc.
B.	GENERAL CONDITIONS:	
i	The project authorizes must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.	<ul style="list-style-type: none"> • Noted and being complied with.
ii	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	<ul style="list-style-type: none"> • Noted • Please note that we have obtained EC amendment by MOEF & CC vide their letter no. J-11011/1170/2007-IA II (I) dated 14.11.2018 for change in configuration of clinker production from 1.5 MTPA to 1.98 MTPA through up-gradation and optimization in phase 1. Pl. refer annexure no. 23.

iii	<p>The company shall provide adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transportation, stacking), vehicular movement, bagging and packing areas etc. Asphalting /concreting of roads and water spray all around the coal stockpiles shall be carried out to control fugitive emissions.</p>	<ul style="list-style-type: none"> • Adequate dust collection and extraction system provided at various transfer points, raw mill handling (unloading, conveying, transportation, stacking), bagging and packing areas to control fugitive dust emissions. • All internal road areas were concreted to control fugitive emissions during road transportation. Pl. refer annexure no. 7. • Water is being sprinkled all around the coal stockpiles to control fugitive dust emission. Pl. refer annexure no. 24.
iv	<p>Industrial wastewater shall be properly collected and treated 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 purposes.</p>	<ul style="list-style-type: none"> • Domestic wastewater is being treated by root zone technology based STP. Treated water from STP is being utilized for green belt development and dust suppression purposes and there is no wastewater generated from cement manufacturing process. As it is based on dry process. We are being maintained at Zero Discharge status. Pl. refer annexure no. 10.
v	<p>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 the sources of noise generation. The ambient noise levels should confirm to the standards prescribed under EPA Rules ,1989 viz 75 dBA (daytime) and 70 dBA (nighttime)</p>	<ul style="list-style-type: none"> • We are taking all precautionary measures to control noise pollution and ensure that the noise is well within specified limits. • Regular noise level monitoring conducted at project sites and mines area. • Noise level monitoring reports are being submitted to the concerned authority on a monthly basis. Pl. refer annexure no. 25.
vi	<p>The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water. The company must also collect rainwater in the mined-out pits and use the same water for the various activities of the project to conserve fresh water.</p>	<ul style="list-style-type: none"> • Being complied • To harvest rainwater, the company has constructed 53 no of various rainwater harvesting systems with a rainwater harvesting capacity of 16 Lacs M3/year based of 1000 mm yearly rainfall. Pl. refer annexure no. 26. • In future mine out pits will be utilized as a harvesting pit.
vii	<p>All the recommendations of the CREP guidelines shall be strictly followed.</p>	<ul style="list-style-type: none"> • Noted and being followed. • CREP compliance is enclosed as annexure- 22.
viii	<p>The project proponent shall also comply with all the environment protection measures and concerned authorities and date of commencing the land development work.</p>	<ul style="list-style-type: none"> • Notes and being complied with.
ix	<p>The company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.</p>	<ul style="list-style-type: none"> • Company is doing its CSR activity for the socio-economic development of nearby 9 Villages. • From April 2025 to September 2025, we have spent a total of Rs 52.03 lakh under CSR in nearby villages. Pl. refer annexure no. 27.

x	<p>As proposed, Rs.125.00 Crores and Rs.8.00 Crores earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures Rs.1.00 Crores for socio-economic development program shall be used to implement the condition stipulated by the Ministry of Environment and Forests as well as the State Government and an implement schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of this Ministry at Bhopal. The fund provided shall not be diverted for any other purpose.</p>	<p>We have incurred an expenditure of Rs 127 Crore for the installation of Air pollution control equipment of Recurring expenses for Environmental pollution control measures.</p> <p>Annual Environmental Expenditure for the last 4 FY is given as below -</p> <table border="1" data-bbox="871 354 1514 551"> <thead> <tr> <th>Financial year</th><th>Cost / expenses in Crore</th></tr> </thead> <tbody> <tr> <td>2022-23</td><td>1.20</td></tr> <tr> <td>2023-24</td><td>2.19</td></tr> <tr> <td>2024-25</td><td>2.84</td></tr> <tr> <td>Apr 2025 to Sept. 2025</td><td>1.14</td></tr> </tbody> </table> <ul style="list-style-type: none"> Phase 1 which is under operation with the capacity of 1.98 MTPA clinker and 05 MTPA cement production. For the socio-economic development, we have adopted 09 nearby villages and implemented the CSR programs in these villages. Pl. refer annexure no. 27 <p>The details of CSR commitment submitted to MoEF vide letter number b- 1011/3/2008-M&MP Dated 15.02.2010. Pl. refer annexure 28.</p>	Financial year	Cost / expenses in Crore	2022-23	1.20	2023-24	2.19	2024-25	2.84	Apr 2025 to Sept. 2025	1.14
Financial year	Cost / expenses in Crore											
2022-23	1.20											
2023-24	2.19											
2024-25	2.84											
Apr 2025 to Sept. 2025	1.14											
xi	<p>The Regional Officer of this Ministry at Bhopal /CPCB /CECB will monitor the stipulated conditions. A six-monthly compliance report and the monitoring data along with statistical interpretation shall be submitted to them regularly.</p>	<ul style="list-style-type: none"> Half yearly EC compliance report is being submitted on regular basis to the regional office of MOEF and CC Raipur, Zonal Office of CPCB Bhopal and CECB Bhilai-Durg. 										
xii	<p>The Project Proponent shall inform public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB /Committee and may also be seen at Website of the Ministry of Environment and Forest 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 Bhopal.</p>	<ul style="list-style-type: none"> To inform the public about the accordance of environment Clarence, an advertisement was published in local newspapers and a copy of the same was forwarded to the regional office at Bhopal. A copy of the Environment clearance has been also uploaded on the company website. Pl. refer Annexure- 29. 										
xiii	<p>Project authorities shall inform the Regional Office as well as the Ministry of the date of the financial closure and final approval of the project by the concerned authorities and date of commencing. the land development work.</p>	<ul style="list-style-type: none"> The stipulated condition has already complied vide letter no. JKLC/Durg/Env/1206 dated 15.06.2011. and company is following the year starts from April & ends in March for the financial matter. 										

**COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE AMENDMENT OBTAINED
FROM MOEF (I.A. Division) vide F. No. J-11011/1170/2007-IA II (I) regarding change of plant location
dated 27th February 2010.**

(Ref: EC Amendment Dated 27th February 2010)

(Period- APRIL-2025 to SEP-2025)

S. No.	CONDITION	COMPLIANCE STATUS
i.	At least 5 % of the total cost of the project (viz.Rs.1100.00 Crores) shall be earmarked towards the corporate social responsibility and item –wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal .The corporate social responsibility (CSR) facilities shall be extended to all the persons residing in 15 Km instead of 10 Km radius to cover all the villagers of old location also. Implementation of such program shall be ensured accordingly in a time bound manner.	<p align="center">Complied</p> <ul style="list-style-type: none"> ● We are doing CSR activity for the socio-economic development of nearby 09 Villages. Comprehensive details of CSR and item wise details have already been prepared and submitted to the MOEF & CC New Delhi vide our letter no B-11011/3/2008-M-MP dated 15.02.2010. For the period April 2025 to September 2025 we have spent 52.03 lacs towards the CSR activities. ● Expenses Details for the period April 2025 to September 2025 is in Annexure- 27.
ii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide GSR No.826 (E) dated 16 th November, 2009 shall be followed.	<ul style="list-style-type: none"> ● Complied ● Being followed by taking all measures to keep their surrounding ambient air quality as per NAAQs standards. ● Pl. refer annexure no. 25.
iii.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat/Zila Parishad/Municipal Corporation, Urban Local Body and local NGO, if any form whom suggestions/representations, if any received while processing the proposal .The clearance letter shall also be put on the web site of the company by the proponent.	<ul style="list-style-type: none"> ● Complied.
iv.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitoring data on the website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhopal, the respective Zonal Office of CPCB and the CPCB. The criteria pollutants levels namely: SPM, RSPM, SO2, NOX (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and	<ul style="list-style-type: none"> ● Complied ● The Environment Compliance report including monitoring data is being uploaded on the company website along with EC compliance report. ● Copy of Half Yearly Environment Compliance report being regularly submitted to Regional Offices, of MoEF & CC –Raipur, CECB-Bhilai and zonal office of CPCB. ● Environmental monitoring data is being displayed on the online display board installed at both Plant and mines Gate in public domain

	displayed at a convenient location near the main gate of the company in the public domain.	and also summary of data uploaded on the Company website as an annexure to EC compliance.
V	The project proponent of compliance in the stipulated environment conditions including results of monitoring data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and SPCB. The Regional Office of this Ministry at Bhopal /CPCB/CECB shall monitor the Stipulated conditions.	<p>Complied</p> <ul style="list-style-type: none"> Half yearly Monitoring report and results of monitoring data (by e-mail) are being submitted to the Regional Office of MOEF, the respective Zonal Office of CPCB and CECB. Half yearly EC Compliance for the period of October 2024 to March 2025 was submitted on 02nd May 2025 at regional office of MoEF&CC and CECB.
Vi.	The Environmental statement for each financial year ending 31 st March in Form –V as it mandated to be submitted by the project proponent to the concerned State Pollution Control Board As prescribed under the Environmental (Protection) Rule 1986, as amended subsequently, shall also be put on the web site of the company along with the status of compliance of environmental condition and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	<ul style="list-style-type: none"> Environment statement report is being submitted to the concern authority on regular basis. Environment statement for last year was submitted on 24.06.2025 at CECB-Raipur and Bhilai. Pl. refer annexure no. 30.
vii.	The Project Proponent shall inform the public that the project has been accordance environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at Website of the Ministry of Environment and Forest at http://envfor.nic.in . This shall be advertised 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 Bhopal.	<ul style="list-style-type: none"> Noted & Has been complied

**COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE AMENDMENT
OBTAINED FROM MOEF & CC (I.A. DIVISION) VIDE F. NO. J-11011/1170/2007-IA II (I) REGARDING
CHANGE OF MODE OF LIMESTONE TRANSPORT DATED 23rd JULY, 2015.**

Additional Specific Condition		
S No.	CONDITION	COMPLIANCE STATUS
i.	Trucks engaged for limestone transportation shall be optimally loaded and covered with tarpaulin with no spillage on route. The trucks shall be properly maintained and emission shall be below notified limits. Facilities for parking of trucks carrying limestone shall be created within the plant site.	<p>Being Complied</p> <ul style="list-style-type: none"> Limestone is being transported in duly-covered vehicles with tarpaulin to avoid fugitive dust emission during transportation. Facilities for parking trucks carrying limestone has also been created within the plant site. <p>Pl. refer Annexure – 9.</p>
ii.	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangement shall also be made to control dust emission during loading, and unloading of the raw material and finished product.	<p>Complied</p> <ul style="list-style-type: none"> All transfer points, Junction loading and unloading points are equipped with efficient dust extraction system to maintain the particulate matter below 30mg/Nm³. Dust suppression system (water Sprinkler) is provided at Limes stone unloading point. Pl. refer annexure no. 4(B). Project proponents have raised Green belt along the length of limestone transportation route to control vehicular pollution. Pl. refer annexure no. 7. Dust suppression system being installed at all loading unloading points of limestone stacker area. 02 Water tankers have engaged for water sprinkling on road to control the fugitive dust emission during transportation of limestone from mining pit. Pl. refer annexure no (4B)
iii.	All approach roads shall be black topped and the internal roads shall be connected. The roads shall be regularly cleaned with mechanical sweepers.	<p>Complied</p> <p>All internal roads are pucca - Concrete and the roads are being regularly cleaned with mechanical sweeper machines.</p> <p>Pl. refer annexure no. 6.</p>

**COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE OBTAINED FROM
MOEF (I.A. DIVISION) VIDE F. NO. J-11011/1170/2007-IA II (I), REGARDING EXTENSION OF
VALIDITY OF ENVIRONMENT CLEARANCE DATED 4TH SEPTEMBER, 2015.**

(There is no additional conditions mentioned in the EC by the MOEF & CC)

**As per above said EC as advised by the MOEF&CC officials we are complying with all specific
and general conditions stipulated vide EC NO. J-11011/1170/2007-1A. II (I)
dated 13.05.2009 and amendment dated 27.02.2010**

**COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE OBTAINED FROM
MOEF (I.A. DIVISION) VIDE F. NO. J-11011/1170/2007-IA II (I), AMENDMENT IN EC FOR OPENING
OF SECOND PIT IN MINE LEASE AREA DATED 07TH JUNE 2017.**

(There is no additional conditions mentioned in the EC by the MOEF & CC)

**As per above said EC as advised by the MOEF&CC officials we are complying with all specific
and general conditions stipulated vide EC NO. J-11011/1170/2007-1A. II (I)
dated 13.05.2009 and amendment dated 27.02.2010**

COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE AMENDMENT OBTAINED FROM MOEF & CC (IMPACT ASSESSMENT DIVISION) VIDE F. NO. J-11011/1170/2007-IA II (I) REGARDING REDUCTION OF MINING LEASE AREA FROM 281.339 HA TO 252.105 HA AND INTERCEPTION OF GROUND

WATER TABLE DURING MINING OPERATION DATED 20TH JULY, 2018.

(Period- APRIL 2025 to SEP -2025)

S No.	CONDITION	COMPLIANCE STATUS
i.	This environmental clearance will not be operational till such time the project proponent complies with all the statutory requirements and judgment of honorable Supreme Court dated the 2nd of Aug 2017 in write petition (Civil) No. 114 of 2014 in the matter of common cause versus union of India and Ors, if any applicable to this project.	<ul style="list-style-type: none"> • Noted and agreed
ii.	The department of mines and geology govt. of Chhattisgarh shall ensure that mining operation shall not commence till the entire compensation levied, if any for illegal mining paid by the project proponent through their respective department of mining geology in strict compliance of judgment of Hon'ble supreme court dated 2nd Aug 2017 in writ petition (Civil) No. 114 of 2014 in the matter of common cause versus union of India and Ors.	<ul style="list-style-type: none"> • Noted and agreed
iii.	The regular monitoring of ground water tables is to be carried out by establishing a network of existing wells and constructing new piezometers. The reports shall be submitted at intervals of six month to the regional office of the ministry and CG Pollution control board.	<ul style="list-style-type: none"> • The Regular Ground water levels monitoring is being carried out at plant site and Mines area. The reports are submitted to the regional office of the ministry and CECB every six months. • Ground water monitoring reports along with photographs are attached in Annexure- 31.

IV.	<p>The water balance / water auditing shall be carried out and measures for reducing the consumption of water shall be taken up and reported to the regional office of the ministry and CG Pollution control board.</p>	<p>Complied</p> <ul style="list-style-type: none"> • Water meters have been installed on all Bore wells for monitoring of ground water withdrawal. Regular monitoring of water consumption on a monthly basis is being carried out. • Details of the same are in Annexure- 32
V.	<p>The regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the at interval of six months to the regional office of the ministry and CG Pollution control board.</p>	<p>Complied</p> <ul style="list-style-type: none"> • Regular monitoring of water quality is being done. • The ground water quality is being monitored during pre- monsoon and post monsoon and record of monitoring data is being maintained and submitted to the regional office of the ministry and CECB in Half yearly reports • Environment monitoring report along with water quality is attached in annexure 33
Vi.	<p>The plantation / greenbelt at the periphery of the water body, particularly on eastern and western boundaries, shall be maintained in the mined-out area in order to reduce the loss of surface water.</p>	<p>Complied</p> <ul style="list-style-type: none"> • A 3-tier avenue plantation along the roads and along the lease boundary has been done. Local species have been given importance. • Companies carried out plantation programs in schools and villages. Saplings are distributed to schools and villages. • Pl. refer annexure no.-18

**COMPLIANCES OF CONDITION STIPULATED IN ENVIRONMENTAL CLEARANCE AMENDMENT
WAS MADE BY MOEF & CC (IMPACT ASSESSMENT DIVISION) VIDE F. NO. J-11011/1170/2007-IA
II (I) REGARDING CHANGE IN CONFIGURATION OF CLINKER PRODUCTION OF 1.5 MTPA TO 1.98
MTPA THROUGH UP-GRADATION AND OPTIMIZATION IN PHASE-I UNDER THE PROVISIONS OF
EIA NOTIFICATION, 2006. DATED 14TH NOVEMBER 2018**

(Period- APRIL 2025 to SEPTEMBER-2025)

Sr No .	CONDITION	COMPLIANCE STATUS
i.	The amount of Rs. 15.5 have Lakhs spent towards corporate environmental responsibility as per office memorandum of the ministry dated 30 th May 2018 by the end of 2019.	<ul style="list-style-type: none"> • Complied The amount of more than of Rs. 15.5 have Lakhs spended towards corporate environmental responsibility . Pl. refer Annexure- 34
ii.	The air pollution control devices should be upgraded to meet the requirement of additional pollution load and shall meet the standards.	<ul style="list-style-type: none"> • Complied • State of Art Air Pollution Control Equipment has already been installed which has been upgraded by activation of standby chambers/Fields to meet additional pollution load thereby meeting the standards as prescribed. • To control NOx emissions, we have installed Selective Non-Catalytic Reduction (SNCR) at Integrated Cement plant. Pl. refer annexure no. - 35
iii.	The proposed configuration of the plant shall be commissioned within the valid period of environment Clearance.	<ul style="list-style-type: none"> • Noted, agreed and complied

CEMS and Opacity Meter installed at All major Stacks in Plant



RABH CEMS and Opacity Meter installed at CPP stack and Server Room



CPP CEMS and Opacity Meter installed at CPP stack and Server Room



Cement mill- 1 Opacity Meter



Cement Mill-2 Opacity meter



RABH Opacity meter



Coal Mill Opacity Meter



Slag mill Opacity Meter

Central Pollution Control Board

Welcome industry [Logout](#) Menu

Dashboard / Industry Dashboard / JK Lakshmi Cement Ltd., Durg (C.G.)

JK Lakshmi Cement Ltd., Durg (C.G.) (02CG372)

Malpuri Khurd, Khasadhi, PO- Ahiwa, Dist-Durg,Ahriwa
Chhattisgarh PIN -490036

403

Refresh

Online Alerts (Last 30 Days)

YELLOW ORANGE RED PURPLE

Data Last Received On: 2025-10-23 16:00

SPCB Regional Office: CHHATTISGARH PCB

Industry Representatives

SMS Communicated: 0 (Last 7 Days)

CEMS: 8 EQMS: 0 Total Stations: 8

100%

Submit Response

Live Readings

Emission Effluent All

View Diagnostics View Data View Diagnostics View Data

Stack_1_Kiln

15.3 mg/Nm³ - PM Diagnostic Status: Last Received: 33 minutes ago

14.4 mg/Nm³ - SO2 Diagnostic Status: Last Received: 33 minutes ago

77.1 mg/Nm³ - NOX Diagnostic Status:

Submit Response

JK LAKSHMI CEMENT LTD

data available at this portal is as per CPCB prescribed procedure published at [cpcb.nic.in](#)

envedo

Category : CEMENT Industry Code : ESA01840 Lat : 21.327478789497 Long : 81.507987742818 Last Updated : 28-Apr-2025 12:45:00 Welcome JkLakshmi Logout

Home Industry Info Industry Representative Station Details CTO Details Data Validation Reports PTZ Camera Online Remote Calibration Check

Live

EMISSION (5) AMBIENT (5)

Exceedance 0 (Past 24 hours)

PM2.5 (CAAQMS_4_Near_RawMill) 17.96 ug/m³

Prescribed 2025-04-28 12:45:00 Standard - NAug/m³

Calorific value Gas Gas Flow

Calorific value Oil Oil Flow

(PM2.5) Limit-NA, Val

Past 24 Hours Past 2 Days Past 1 Week Past 15 Days Past 1 Month

SMS Alerts Communicated 0 (Past 24 hours)

A snap of data transmission Continuous Ambient Air Quality Monitoring Systems and Continuous Emission Monitoring Systems

ESP connected with Clinker Cooler



SL. No.	Clinker Cooler ESP Details	
1	Volume Flow	699720 m ³ /h
2	Gas temperature	343.00 0C
3	Pressure	-133
4	Precipitator Current	800 mA
5	Gas Density	0.542 kg/m ³
6	Dust Emission designed for	<30 mg/Nm ³

ESP connected to CFBC Boiler at Captive thermal power plant



SL. No.	AFBC Boiler ESP Details	
1	Volume Flow	699720 m ³ /h
2	Gas temperature	343.00 0C
3	Pressure	-133
4	Precipitator Current	800 mA
5	Gas Density	0.542 kg/m ³
6	Dust Emission designed for	<30 mg/Nm ³

Reverse Air Bag House



Sr. No	Bag Filter Location	Main RABH
1	Equipment Code	421 BH1
2	No of bags	3648
3	Design Temp	260
4	Bag Type	Woven Fibber Glass with PTFE Membrane
5	Design Volume of bag filter M³/hr	893380
6	Diameter (m)	0.292
7	Length (m)	9.347
8	Filtering Area (M²)	8.64
9	Air to Cloth Ratio	0.47
10	Dust Emission (mg/Nm³)	<30

Slag Mill Bag house



Sr. No	Bag Filter Location	Slag mill Baghouse
1	Equipment Code	532 BF2
2	No of bags	3200
3	Design Temp	120
4	Bag Type	Polyester Needle Felt
5	Design Volume of bag filter M³/hr	513000
6	Diameter (m)	0.127
7	Length (m)	3.35
8	Filtering Area (M²)	1.35
9	Air to Cloth Ratio	0.20
10	Dust Emission (mg/Nm³)	<30

Coal Mill Baghouse



Sr. No	Bag Filter Location	Coal Mill Bag house
1	Equipment Code	481 BF1
2	No of bags	1792
3	Design Temp	80
4	Bag Type	Poly Acrylo nitrile needle
5	Design Volume of bag filter M³/hr	220000
6	Diameter (m)	0.152
7	Length (m)	3
8	Filtering Area (M²)	1.45
9	Air to Cloth Ratio	1.41
10	Dust Emission (mg/Nm³)	<30

CEMS and Opacity Meter installed at All major Stacks in Plant



RABH CEMS and Opacity Meter installed at CPP stack and Server Room



CPP CEMS and Opacity Meter installed at CPP stack and Server Room



Cement mill- 1 Opacity Meter



Cement Mill-2 Opacity meter



ESP Cooler Opacity meter



Slag mill Opacity Meter



Coal Mill Opacity Meter

Air Pollution Control Equipments for Particulate Emission Control:

Details of Bag House at various locations

Sr. No	Bag Filter Location	Packing Plant					
		Bucket elevator to Packing Plant	Bucket elevator to Packing Plant	For packing Plant	For packing Plant	For packing Plant	For packing Plant
1	Equipment Code	661 BF1	662 BF2	661 BF2	661 BF3	662 BF3	662 BF1
2	No of bags	90	180	252	378	378	90
3	Design Temp	130	130	130	130	130	130
4	Bag Type	Polyester, Nil, Imported, Fabric					
5	Design Volume of bag filter M³/hr	7500	16000	22000	34000	34000	7500
6	Diameter (m)	0.149	0.149	0.149	0.149	0.149	0.149
7	Length (m)	3.5	3.5	3.5	3.5	3.5	3.5
8	Filtering Area (M²)	1.65	1.65	1.65	1.65	1.65	1.65
9	Air to Cloth Ratio	0.84	0.90	0.88	0.91	0.91	0.84
10	Dust Emission (mg/Nm³)	<30	<30	<30	<30	<30	<30

Details of Bag filters Installed at Raw Mill Silo (Storage Silo)

Sr. No	Bag Filter Location	Raw Mill Silo			
		Silo Feed Air Slide	For Kiln Dust Bin System	Silo Feed Air Slide	Silo Feed Air Slide
1	Equipment Code	391 BF1	391 BF2	391 BF3	391 BF4
2	No of bags	90	60	42	42
3	Design Temp	45	45	45	45
4	Bag Type	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt

5	Design Volume of bag filter M³/hr	10000	7000	5000	5000
6	Diameter (m)	0.127	0.127	0.127	0.127
7	Length (m)	3.35	3.35	3.35	3.35
8	Filtering Area (M²)	1.35	1.35	1.35	1.35
9	Air to Cloth Ratio	1.37	1.44	1.47	1.47
10	Dust Emission (mg/Nm³)	<30	<30	<30	<30

Details of Bag filters Installed at Clinker Silo (Storage Silo)

Sr. No	Bag Filter Location	Clinker Silo Top			
		For Clinker Silo Top	For Clinker Silo Extraction	For Clinker Silo Extraction	For Clinker Silo Extraction
1	Equipment Code	451 BF2	711 BF1	711 BF2	711 BF3
2	No of bags	256	120	120	120
3	Design Temp		150	150	150
4	Bag Type	synthetic polyester	Homo Polymer Acrylic	Homo Polymer Acrylic	Homo Polymer Acrylic
5	Design Volume of bag filter M ³ /hr		10000	10000	10000
6	Diameter (m)	0.152	0.152	0.152	0.152
7	Length (m)	3	3	3	3
8	Filtering Area (M ²)	1.45	1.45	1.45	1.45
9	Air to Cloth Ratio	0.00	0.96	0.96	0.96
10	Dust Emission (mg/Nm ³)	<30	<30	<30	<30

Details of Bag filters Installed at Cement Silo (Storage Silo)

Details of Bag filters Installed at Clinker Silo (Storage Silo)

Details of Bag filters Installed at Gypsum storage and Slag Storage

Sr. No	Bag Filter Location	Gypsum Storage		Slag Storage				
		For Dump Hopper	For Gypsum crusher	Slag Silo Top	For Slag Silo Extraction	For Slag Silo Feed	Bucket elevator Discharge	For Slag Hopper
1	Equipment Code	751 BF1	751BF2	591 BF6	612 BF1	591 BF1	532 BF1	512 BF1
2	No of bags	120	120	40	40	60	90	90
3	Design Temp	130	130	130	130	130	45	45
4	Bag Type	Polyester Needle Felt	Polyester Needle Felt	Polyester, Nil, Imported, Fabric	Polyester, Nil, Imported, Fabric	Polyester, Nil, Imported, Fabric	Polyester Needle Felt	Polyester Needle Felt
5	Design Volume of bag filter M³/hr	10000	10000	3500	3500	5000	10000	10000
6	Diameter (m)	0.152	0.152	0.149	0.149	0.149	0.127	0.127
7	Length (m)	3	3	3.5	3.5	3.5	3.35	3.35
8	Filtering Area (M²)	1.45	1.45	1.65	1.65	1.65	1.35	1.35
9	Air to Cloth Ratio	0.96	0.96	0.88	0.88	0.84	1.37	1.37
10	Dust Emission (mg/Nm³)	<30	<30	<30	<30	<30	<30	<30

Details of Bag filters Installed at Blending Silo (Kiln Feed)

Sr. No	Bag Filter Location	Blending Silo (Raw Mill Feed)				
		PH Top Kiln Feed air Slide	Kiln Feed Silo Top	For Mixing Bin	For SFF	For Kiln Feed Bucket Elevator
1	Equipment Code	411 BF4/351BF410	341 BF1/ 341 BF400	411 BF1/351 BF280	411 BF2/351 BF290	411 BF3 /351BF400
2	No of bags	64	100	64	25	64
3	Bag Type	Synthetic Polyester	Synthetic Polyester	Synthetic Polyester	Synthetic Polyester	Synthetic Polyester

Details of Bag filters Installed at Gypsum storage and Slag Storage

4	Design Volume of bag filter M³/hr	5000	8000	4500	2000	5000
5	Diameter (m)	0.152	0.152	0.152	0.152	0.152
6	Length (m)	3	3	3	3	3
7	Filtering Area (M²)	1.45	1.45	1.45	1.45	1.45
8	Air to Cloth Ratio	0.90	0.92	0.81	0.92	0.90
9	Dust Emission (mg/Nm³)	<30	<30	<30	<30	<30

Details of Bag filters Installed at Material Handling Section, Conveyer Belts and Transfer towers (Raw Material Handling)

Sr. No	Bag Filter Location	Raw Material Handling						
		For Discharge of Pipe conveyor to TT1	For Transfer Tower TT2 (Stacker Belt)	For Transfer Tower TT3 (Reclaimer Belt)	For Raw Material Hopper & (Hopper Feed belt)	For Transfer Tower TT3A (High/low Grade Belt)	For Dump Hopper (Additive Crusher)	For Additive Crusher (TT3B)
1	Equipment Code	221 BF2	221 BF3	311 BF1	311 BF2	311 BF3	231 BF1	231 BF2
2	No of bags	210	120	180	120	60	120	120
3	Design Temp	130	130	130	130	130	130	130
4	Bag Type	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt	Polyester Needle Felt
5	Design Volume of bag filter M ³ /hr	18000	15000	15000	10000	5000	10000	10000
6	Diameter (m)	0.152	0.152	0.152	0.152	0.152	0.152	0.152
7	Length (m)	3	3	3	3	3	3	3
8	Filtering Area (M ²)	1.45	1.45	1.45	1.45	1.45	1.45	1.45
9	Air to Cloth Ratio	0.99	1.44	0.96	0.96	0.96	0.96	0.96
10	Dust Emission (mg/Nm ³)	<30	<30	<30	<30	<30	<30	<30

Details of Bag filters Installed at Material Handling Section, Conveyer Belts and Transfer towers (Coal Handling)

Sr. No	Bag Filter Location	Coal Handling									
		For Coal Dump Hopper	For Transfer Tower (TT4)	For Coal Crusher	For Transfer Tower (TT5)	For Transfer Tower (TT6)	For Transfer Tower (TT7)	For Coal Hopper	For Coal FK Pump	For Coal Bin 1	For Coal Bin 2
1	Equipment Code	511 BF1	511 BF2	511 BF3	521 BF1	521 BF2	521 BF3	481 BF3	481 BF6	531 BF1	531 BF2
2	No of bags	180	88	120	88	88	88	54	54	36	36
3	Design Temp	130	130	130	130	130	130	75	75		
		Pan+SS Wire	Pan+SS Wire	Pan+SS Wire	Pan+SS Wire	Pan+SS Wire	Pan+SS Wire	Polyester Needle	Polyester Needle	Polyester Needle	Polyester Needle

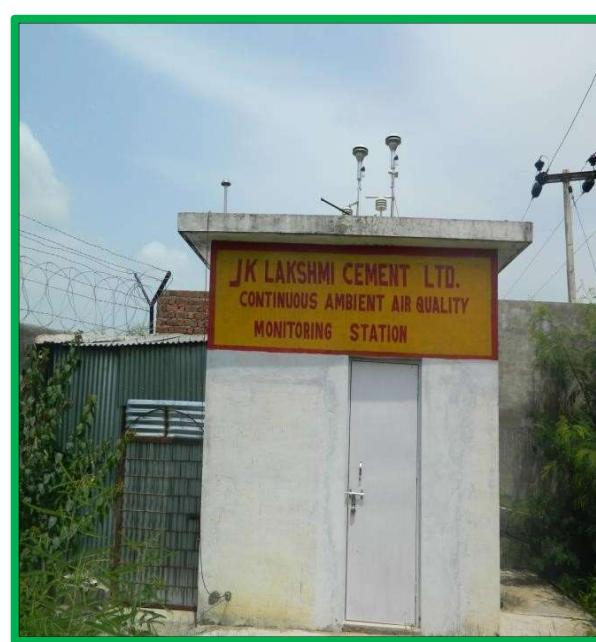
Details of Bag filters Installed at Material Handling Section, Conveyer Belts and Transfer towers (Raw Material Handling)

Details of Bag filters Installed at Material Handling Section, Conveyer Belts and Transfer towers (Gypsum Handling)

Online Continuous Ambient Air Quality Monitoring Stations In Mines



Online Ambient air quality monitoring stations Within Plant Premises





Environmental Data Display boards for General public



Data Display board at Plant Main gate



Data Display board at Mines Main gate

Closed Storage Sheds and Silo to store Raw materials and Products



Slag Storage Shed: 10000 Tonne



Limestone Storage Shed: 50000 Tonne



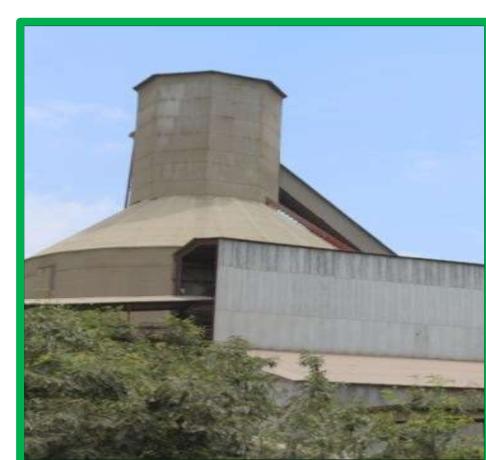
Coal Storage Shed: 10000 Tonne



Additives Storage Shed: 15000 Tonn



Gypsum Storage shed: 5000 Tonne



Clinker Silo: 45000 Tonne



Raw meal Silo: 15000



Cement Silo: 4×5000 Tonne

Water Sprinkling at Material Loading, Unloading points and on Mine Haul roads to Control Fugitive Dust Emissions





Mining best Practices



All bench edges are being fenced with rope and Steel pipes to check fall of men during Blast Hole Drilling and Blast Hole charging Operations.



Wet drilling is being practiced regularly to control dust emission



After drilling all drill holes are being plugged with wooden collar cones



Water Sprinkling Systems in conveyor belts

Environmental Data Display boards for General public



fig. 01 Data Display board at Plant Main gate

Fig . 02Data Display board at Mines Main gate



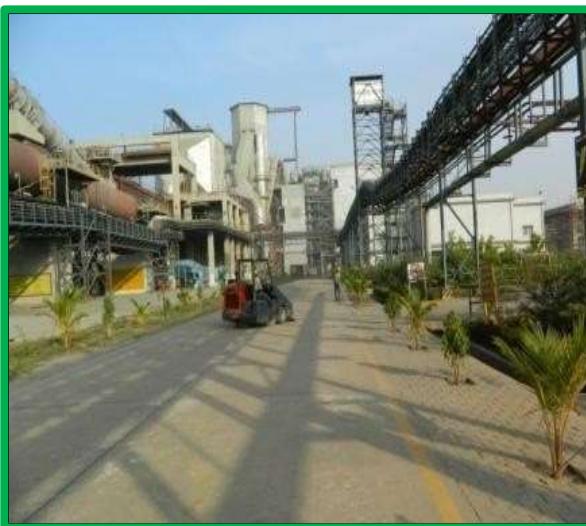
Annexure-6

Dust Collection and Extraction system

Using 2 sweeping machines, out one of which is Truck mounted and the other is mechanical sweeping machine.



Truck Mounted Sweeping Machine



Mechanical Sweeping Machine

Concrete Roads for Raw material Transportation & Green belt development along with road side.



Concrete Roads within Plant Premises & Plantation along with road



Concrete roads connecting limestone mine and Plant

EC amendment facilitate use of low-grade limestone Mineral Conservation) for blending with high grade limestone to optimize life of mine

By Speed Post/Online



No. J-11011/1170/2007-IA.II(I)

Government of India

Ministry of Environment, Forest and Climate Change

Impact Assessment Division

Indira Paryavaran Bhavan,
Aliganj, Jor Bag Road,
New Delhi-110 003

Dated: 20th July, 2018

To,

M/s J.K. Lakshmi Cement Ltd
MalpuriKhurd,Khasdaih, P.O.Ahirwara
District-Durg,
Chhattisgarh, Pin-490036

Sub.: Amendment in EC No. J-11011/1170/2007-IA II(I), dated 13th May, 2009 of M/s J K Lakshmi Cement Ltd. w.r.t. reduction of mining lease area from 281.339 ha to 252.105 ha and interception of ground water table during mining operation, located at MalphuriKhurd, Khasdaih, Semaria, Ghikudia, NandiniKhundani Tehsil Dhamdha, District-Durg Chhattisgarh-Amendment in EC regarding

Reference: Online Proposal no. IA/CG/MIN/71245/2009

Sir,

This has reference to your online proposal for amendment in EC No. J-11011/1170/2007-IA II(I), dated 13th May, 2009 w.r.t. reduction in mine lease area from 281.339ha to 252.105ha and interception of ground water table during mining operation. The mine lease area is located at MalphuriKhurd, Khasdaih, Semaria, Ghikudia, NandiniKhundani Tehsil Dhamdha District-Durg, Chhattisgarh. The mine lease area lies between latitudes North 21° 24' 13.5" ~ 21° 25' 25.0", longitude East 81°23' 40.4" ~ 81°24' 52.9" respectively on the Survey of India topo sheet no. 64-G/7. The Project received online.

2. The Environmental Clearance was granted by the Ministry vide letter no. J-11011/1170/2007-IA II(I), dated 13th May, 2009 for Integrated Cement Plant (Clinker, 3.0 MTPA, Cement 10.0MTPA), Limestone mine (4.8 MTPA) in mine lease area of 267.695 ha and 281.339 ha respectively and captive power Plant (40MW) at village Semaria, Ghikuria and NandaniKundani, Tehsil-Dhamda, District-Durg, Chhattisgarh. The Ministry, vide letter dated 27.02.2010, 23.07.2015 and 07.06.2017 has amended the Environmental Clearance. Further the Ministry, vide letter dated 4th September, 2015 has extended the period of EC for five years w.e.f. 12.05.2014 by the Industry Sector of IA Division.

3. Project Proponent reported that due to local problem and issues associated with Nala and Road as well Charaghah land acquisition, 29.234ha falling in second Limestone mine (lease area 281.339ha), the said mine lease area has been reduced from 281.339ha to 252.105ha by the Chhattisgarh State Govt. The Department of Mines and

Annexure-9



Bulkers used for Transporting of Fly ash



Tarpaulin covered trucks for transporting of raw material and product

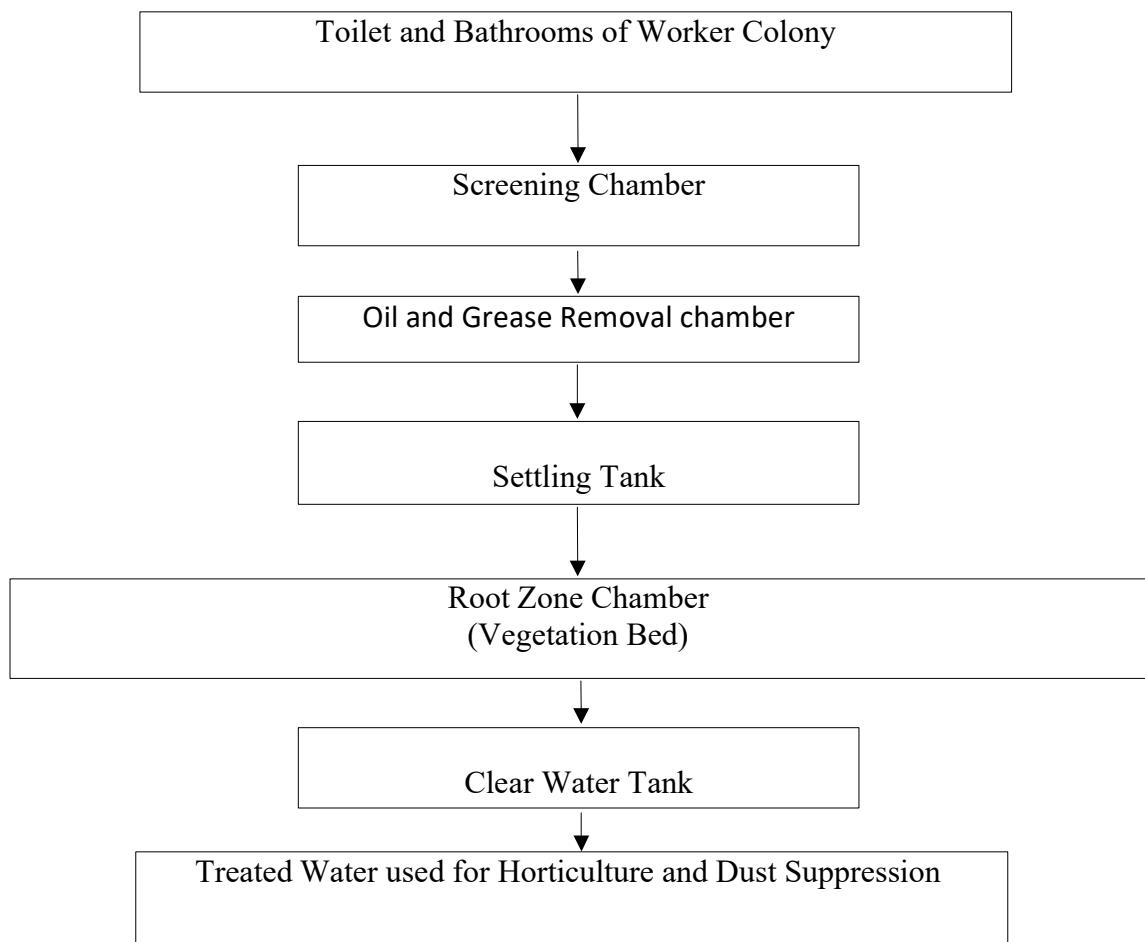


Pollution Under Control test within Plant Premises.

Photographs of Root Zone chamber of Sewage Treatment Plant



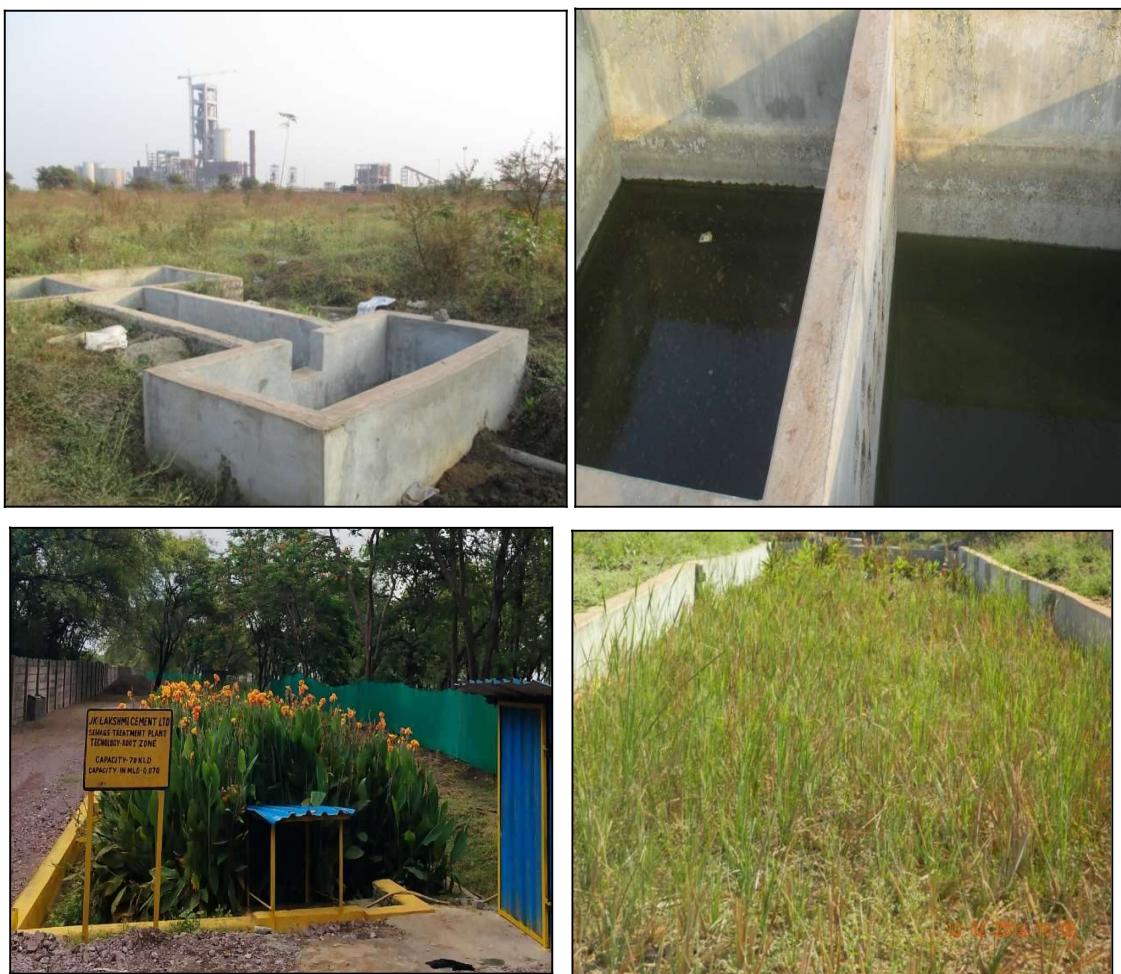
Fig 3: Process Flow Diagram of Sewage Treatment Plant (STP) at workers Colony



Photographs of Sewage Treatment Plant (STP) during construction phase



Photographs of Sewage Treatment Plant (STP)



Annexure-11

Air Cooled Condensers installed at Captive Power Plant and Waste Heat Recovery unit



Air Cooled Condensers installed at Captive Power Plant



Air Cooled Condenser installed at Waste Heat Recovery

By Speed Post/Online



No. J-11011/1170/2007-IA.II(I)

Government of India

Ministry of Environment, Forest and Climate Change

Impact Assessment Division

Indira Paryavaran Bhavan,
Aliganj, Jor Bag Road,
New Delhi-110 003

Dated: 20th July, 2018

To,

M/s J.K. Lakshmi Cement Ltd
MalpuriKhurd,Khasdaih, P.O.Ahirwara
District-Durg,
Chhattisgarh, Pin-490036

Sub.: Amendment in EC No. J-11011/1170/2007-IA II(I), dated 13th May, 2009 of M/s J K Lakshmi Cement Ltd. w.r.t. reduction of mining lease area from 281.339 ha to 252.105 ha and interception of ground water table during mining operation, located at MalphuriKhurd, Khasdaih, Semaria, Ghikudia, NandiniKhundani Tehsil Dhamdha, District-Durg Chhattisgarh-Amendment in EC regarding

Reference: Online Proposal no. IA/CG/MIN/71245/2009

Sir,

This has reference to your online proposal for amendment in EC No. J-11011/1170/2007-IA II(I), dated 13th May, 2009 w.r.t. reduction in mine lease area from 281.339ha to 252.105ha and interception of ground water table during mining operation. The mine lease area is located at MalphuriKhurd, Khasdaih, Semaria, Ghikudia, NandiniKhundani Tehsil Dhamdha District-Durg, Chhattisgarh. The mine lease area lies between latitudes North 21° 24' 13.5" - 21° 25' 25.0", longitude East 81°23' 40.4" - 81°24' 52.9" respectively on the Survey of India topo sheet no. 64-G/7. The Project received online.

2. The Environmental Clearance was granted by the Ministry vide letter no. J-11011/1170/2007-IA II(I), dated 13th May, 2009 for Integrated Cement Plant (Clinker, 3.0 MTPA, Cement 10.0MTPA), Limestone mine (4.8 MTPA) in mine lease area of 267.695 ha and 281.339 ha respectively and captive power Plant (40MW) at village Semaria, Ghikuria and NandaniKundani, Tehsil-Dhamda, District-Durg, Chhattisgarh. The Ministry, vide letter dated 27.02.2010, 23.07.2015 and 07.06.2017 has amended the Environmental Clearance. Further the Ministry, vide letter dated 4th September, 2015 has extended the period of EC for five years w.e.f. 12.05.2014 by the Industry Sector of IA Division.

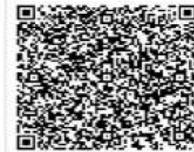
3. Project Proponent reported that due to local problem and issues associated with Nala and Road as well Charaghah land acquisition, 29.234ha falling in second Limestone mine (lease area 281.339ha), the said mine lease area has been reduced from 281.339ha to 252.105ha by the Chhattisgarh State Govt. The Department of Mines and

Annexure-13

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन विभाग,
केंद्रीय भूमि जल प्राधिकरण
GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
CENTRAL GROUND WATER AUTHORITY



सत्यमेव जयते



भूजल निकासी हेतु अनापत्ति प्रमाण पत्र NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

PROJECT NAME JK Lakshmi Cement Limited		PIN CODE 491331												
PROJECT ADDRESS Village – Malpuri Khurd and Khasadih, Tehsil – Dhamdha, District – Durg (C.G.)		TOWN/BLOCK DHAMDHA												
STATE CHHATTISGARH	DISTRICT DURG													
COMMUNICATION ADDRESS 4th Floor, Nehru House, 4 Bahadur Shah Zafar Marg														
ADDRESS OF CGWB REGIONAL OFFICE Reena Apartment, 2nd Floor, NH 43, Dhamtari Road, Panchpedi Naka, Raipur-492001, Chattisgarh.														
1. NOC NO. NOC/IND/CG/2025/5421/N	2. DATE OF ISSUANCE 22/05/2025													
3. APPLICATION NO. IND/CG/2025/5421	4. APPLICATION TYPE Industry													
5. PROJECT STATUS New Project	6. NOC TYPE New													
7. VALID FROM 22/05/2025	8. VALID UP TO 21/05/2028													
9. WATER QUALITY TYPE Fresh Water	10. AREA TYPE CATEGORY Semi Critical (GWRE - 2024)													
11. Ground Water Abstraction Permitted														
GW Abstraction		Dewatering		Total										
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year									
301.25	109956.25	0.00	0.00	301.25	109956.25									
12. Details of Ground Water Abstraction /Dewatering Structures														
EXISTING 6					PROPOSED 0					TOTAL 6				
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	6	0	0	0	0	0	0	0	0	0	6	0	0

*DW-Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; Pu Pumps;

Validity of this NOC shall be subject to mandatory compliance of the following conditions:
Phase I (within 30 days)

1. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) is mandatory for all users seeking No Objection Certificate. Intimation regarding their installation shall be updated in Self-Compliance Module (Phase-I) of BhuNeer APP portal within 30 days of grant of No Objection Certificate.

Phase II (after 11 months)

1. Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

Chittisagarh Shasan
Jal Sansadhan Vibhag
Maval
Dak Kalyan Singh Bhavn, Raigarh

क्रमांक /एफ 4-165/एस-2/31/औजप्र/2010, रायपुर दिनांक /09/2012

प्रति,

मुख्य अधिकारी,
महानदी गोदावरी काशार,
जल संसाधन विभाग,
रायपुर (छ.ग.)

विषय:- मेसर्स जॉ.के. लक्ष्मी सीमेंट लि., दुर्ग द्वारा जिला-दुर्ग, लाक-धम्या, ग्राम-नन्दनी के निकट प्रस्तावित 1.50 एम.टी.पी.ए. सीमेंट संयंत्र एवं 40 मेगावाट केटिव पॉवर प्लांट हेतु शिवनाथ नदी से 1.64 मि.घ.मी. वार्षिक जल आबंटन/प्रदाय की स्वीकृति।

संदर्भ:- 1. शासन का पत्र क्र. 5561-5562/7/जर्स/तशा/औजप्र/01/डी-4, दिनांक

20.07.2012.

2. का.आ. तादुला, ज.सं.सं. दुर्ग का पत्र क्र. 5247/व.लॉ.लि., दिनांक 04.08.2012.

उपरोक्त विषय के संदर्भ में राज्य जल संसाधन उपयोग समिति, छत्तीसगढ़ की 31वीं बैठक, दिनांक 16.05.2012 में लिए गए निर्णयानुसार, मेसर्स जॉ.के.लक्ष्मी सीमेंट लि., दुर्ग (रंगेश्वर) द्वारा जिला-दुर्ग, लाक-धम्या, ग्राम-नन्दनी के निकट प्रस्तावित 1.50 MTPA सीमेंट संयंत्र एवं 40 मेगावाट केटिव पॉवर प्लांट हेतु शिवनाथ नदी से 1.64 मि.घ.मी. वार्षिक जल, शिवनाथ नदी में प्रस्तावित सहगाँव एनीकट के संस्थान द्वारा अग्रिम जलकर के रूप में जमा की जाने वाली सम्पूर्ण/अनुपातिक राशि से जल संसाधन विभाग द्वारा निर्माण उपरांत तथा विभाग द्वारा निर्मित धम्या एनीकट के जल संग्रहण से (ऑफटेक पाईन्ट-सहगाँव एनीकट) आबंटन/प्रदाय की स्वीकृति निम्नलिखित शर्तों के साथ प्रदान की जाती है:-

- प्रकरण में, औद्योगिक/पेयजल उपयोग हेतु जल आबंटन/आज्ञाण/स्वीकृति के एवज में कमिटमेंट चार्जेस बाबत शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 की कड़िका क्रमांक-1 के अनुसार, संरचना द्वारा कमिटमेंट चार्जेस ₹ 41000/- की भुगतान की गई राशि नियमित जल-कर या अन्य किसी राशि में समायोजित नहीं होगी और न ही वापसी योग्य होगी।
- संस्थान, शिवनाथ नदी में प्रस्तावित जल संग्रहण संरचना (सहगाँव एनीकट) के सर्वेक्षण की संपूर्ण/अनुपातिक लागत वहन करेगा। प्रस्तावित जल संरचना के निर्माण कार्य की संपूर्ण/अनुपातिक लागत भी संस्थान वहन करेगा, जिसे संस्थान द्वारा, शासकीय स्वोत हेतु निर्धारित जल-दर पर देय जल-कर की राशि में समायोजित किया जा सकेगा। सर्वेक्षण/निर्माण कार्य जल संसाधन विभाग द्वारा किया जायेगा एवं जल संग्रहण संरचना का स्वामित्व जल संसाधन विभाग के पास रहेगा।

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- 3 संरथान, शिवनाथ नदी में जल आहरण हेतु प्रस्तावित जल संग्रहण संरचना (सहगाँव एनीकट) के निर्धारित स्थान से अपने संबंध स्थल तक जल ले जाने हेतु आवश्यक व्यवस्था (इंटेकवेल का निर्माण, पाईप लाईन बिछाना आदि) जल संसाधन विभाग के अनुमोदन उपरांत स्वयं के व्यय पर करेगा। इसके साथ ही संरथान को कम से कम 30 दिनों की जल आवश्यकता के अनुरूप जल संग्रहण हेतु अपने संबंध परिक्षेत्र में बेलैसिंग रिजरवायर (तालाब) का निर्माण अनिवार्य रूप से करना होगा। संरथान द्वारा बेलैसिंग रिजरवायर (तालाब) में जल संग्रहण, मानसून अवधि के दौरान शिवनाथ नदी में अतिरिक्त जल उपलब्ध होने पर, जल को पाप करके किया जा सकेगा।
- 4 प्रकरण में प्रदायित जल की मात्रा के माप हेतु इंटेकवेल (पंप हाउस) में मानक जल मापन यंत्र की रक्काना संस्थान को स्वयं के व्यय पर करनी होगी, जिसकी समय-समय पर विभाग द्वारा जाच की जा सकेगी।
- 5 शिवनाथ नदी में प्रस्तावित जल संग्रहण संरचना में डूबान तथा जल ले जाने हेतु पाईप लाईन बिछाने के लिए भू-अर्जन एवं संबंधित जो भी समस्या आयेगी उसका निराकरण संरथान स्वयं के व्यय पर स्वयं करेगा। इसके साथ ही छ.ग. राज्य की आदर्श पुनर्वास नीति-2007 (यथा संशोधित) का पालन करना अनिवार्य होगा।
- 6 संरथान द्वारा वास्तविक जल आहरण के आधार पर स्वीकृत जल-मात्रा का आंकलन एवं समीक्षा समय-समय पर शासन द्वारा की जा सकेगी।
- 7 शिवनाथ नदी में जल संग्रहण एवं जल आहरण के प्रस्तावित स्थल के ऊपर एवं नीचे जल उपयोग हेतु जल संसाधन विभाग स्वतंत्र होगा एवं निर्मित की जाने वाली जल संग्रहण संरचना में संरथान द्वारा बांधित जल के अतिरिक्त जल के ऊपरांत होने पर उसके उपयोग हेतु भी जल संसाधन विभाग स्वतंत्र होगा।
- 8 संरथान, रथानी लोगों के जल उपयोग जैसे पेयजल एवं निस्तार आदि हिस्तों पर किसी प्रकार का प्रतिकूल प्रभाव नहीं डालेगा एवं इसके लिए आवश्यक जल की मात्रा जल संरचनाओं में होमेशा सुरक्षित रखी जायेगी।
- 9 संरथान, उपयोग के पश्चात अपने संबंध से निस्पारित जल का रि-राइकलिंग करके इसका उपयोग करेगा एवं छत्तीसगढ़ पर्यावरण संरक्षण मंडल द्वारा निर्धारित मानकों एवं नियमों के अनुराग उपचार कर निस्पारित करेगा, ताकि क्षेत्र में जल प्रदूषण की कोई समस्या उत्पन्न न हो।
- 10 संरथान को जल का उपयोग प्रारंभ करने के पूर्व विभाग के निर्धारित प्रारूप-7(क) में मुख्य अभियंता, महानदी गोदावरी काछार, जल संसाधन विभाग, रायपुर के निर्देशानुसार/ अनुमोदन उपरांत अनुबंध करना अनिवार्य होगा।
- 11 संरथान को शासन द्वारा शासकीय स्त्रोत से औद्योगिक जल उपयोग हेतु समय-समय पर निर्धारित जल-दर पर जल कर एवं कमिटमेंट चार्जस का नियमानुसार भुगतान जल संसाधन विभाग को अनिवार्य रूप से करना होगा एवं कमिटमेंट चार्जस के संबंध में शासन द्वारा जारी परिपत्र विनांक 20.04.2007 का पालन संस्थान के लिए बंधनकारी होगा।

12 औद्योगिक जल प्रदाय द्वारा विभिन्न नदी-नालों में प्रस्तावित जल संग्रहण संरचनाओं के त्वरित निर्माण बाबत, शासन के पत्र दिनांक 22.12.2009 द्वारा जारी विभागीय नीति एवं इस तात्पर्य में शासन के आदेश दिनांक 09.03.2012 का पालन करना, संस्थान के लिये अनियन्त्र होगा।

13 प्रकरण में जल प्रदाय की यह स्थीरकृति वर्तमान में उपलब्ध अंकर्डों/परिस्थितियों पर आधारित है। भविष्य में किसी कारणवश नदी के जल प्रवाह एवं जल संरचना के जल संग्रहण में कमी होने अथवा जल संरचना के आकार, प्रकार या स्थिति में परिवर्तन होने पर शासन इसके लिए जावाबदेह नहीं रहेगा एवं इस संबंध में शासन के विरुद्ध किसी प्रकार का दावा मान्य योग्य नहीं होगा।

14 शासन द्वारा कमिटमेंट चार्जेंस के संबंध में जारी परिपत्र दिनांक 20.04.2007 के अनुसार संस्थान को इस स्थीरकृति पत्र के जारी होने के दिनांक से 02 वर्षों के अंदर जल का उपयोग प्रारंभ नहीं किया जाता है तो उपयोग प्रारंभ करने की समय-सीमा अधिकतम 2 वर्ष की अवधि के तिए और बढ़ावा या सकर्ता एवं इस द्वारा प्रधान वर्ष में अवधितरि/आरक्षित जल की संपूर्ण मात्रा के 5% अंश एवं दूसरे वर्ष में 10% अंश की जल-कर राशि अवधिकृत कमिटमेंट चार्जेंस के रूप में संरक्षित वर्ष की समाप्ति के पश्चात 3 माह के अंदर जमा करनी होती है। अवधिकृत कमिटमेंट चार्जेंस की सिर्वार्थित अधिकतम 2 वर्ष की समय-सीमा के अनुसार पुगतान करने के पश्चात भी यदि संस्थान द्वारा जल का उपयोग प्रारंभ नहीं किया जाता है एवं उपरोक्तानुसार निर्धारित समस्त शर्तों का पालन नहीं किया जाता है तो तत्काल प्रभाव से जल आवंटन/आरक्षण स्थापने समाप्त माना जायेगा एवं शासन को इस जल को अन्य किसी के उपयोग हेतु आवंटन/आरक्षित करने की स्थतत्रा होगी।

सहपत्रः— शून्य

五
五

(याकब खेस्स)

उप सचिव

ग्राम संसाधन विभाग

मंत्रालय, रायपुर
पु.क्रमांक /एफ 4-165/एस-2/31/औजप्र/2010, रायपुर दिनांक// 09/2012
प्रतिलिपि :-

प्रतिलिपि :-

- प्रमुख अधियेता, जल संसाधन विभाग, रायपुर को सूचनार्थ अंग्रेजित।
- अधिकारी अधियेता, शिवायग मण्डल, दुर्ग एवं
- कार्पालान अधियेता, तांदुला जल संसाधन संभाग, दुर्ग को सूचनार्थ एवं आरोपक कार्यवाही हेतु अंग्रेजित।
- उप संचालक, राज्य निवेश प्रोत्साहन बोर्ड, मत्रालय के पास (रेणुका द्वारा), शास्त्री थांक, रायपुर को सूचनार्थ अंग्रेजित।
- प्रबंध राजाकल, मेस्टर्स ए.जे. लक्ष्मी स्टोरेट लि., गो. 9, रॉयलग्रीन्स, जुनवानी रोड, भिलाई, जिला-दुर्ग (छ.ग.) का उक्त पत्र क्रमांक-JLCL/V/P(W)GDCL/11-12, दिनांक 30.12.2011 के संबंध में सूचनार्थ अंग्रेजित।

सहपत्रः— शून्य

Lee

उप सचिव

जल संसाधन विभाग

Annexure-14



JKLC/DU/ENV/CGWA/08

Date: 06.09.2025

To

The Member Secretary
Central Ground Water Authority
CSMRS Campus, Olof Palme Marg
Sector-3, Hauz Khas,
New Delhi – 110016

Sub: Submission of Compliance Report Regarding NOC for Groundwater Abstraction.

Ref :

- 1. NOC No. CGWA/NOC/MIN/REN/3/2025/11636**
- 2. Application No. 21-4/34/CT/MIN/2008, Project Name: M/s J K Lakshmi Cement Ltd.**

Respected Sir,

With due respect, we are hereby submitting the compliance report in respect of the above-mentioned NOC granted by the Central Ground Water Authority (CGWA).

The Authority had granted permission vide NOC No. CGWA/NOC/MIN/REN/3/2025/11636 dated 19.05.2025, valid from 26.09.2024 to 25.09.2026. The domestic water requirement for the mine is only 18.75 KLD, which is being met through one existing borewell. In addition, 1618 m³/day of dewatering takes place from three existing mine pits on account of mining intersecting the water table during operations. The total withdrawal from borewell and mine dewatering shall not exceed 597,413.75 m³/year.

It is respectfully submitted that in the said NOC, 320 KLD (116,800 m³/year) for domestic usage from seven existing bore wells has been mentioned. This was because earlier, a composite NOC for the mine and cement plant together had been issued. Subsequently, as per the advice of CGWA, a separate application for the industry was submitted, for which a distinct NOC (NOC No. NOC/IND/CG/2025/5421/N, Application No. IND/CG/2025/5421, dated 22.05.2025) has been obtained through the Bhuneer App. Compliance (Phase-I) for the said industry NOC has already been submitted within the stipulated time through the Bhuneer App.

Admn. Office : Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi-110 002 Phone : 66001142 / 66001112 Fax : +91-11-23722251, 23722021
E-mail : jkcl.customer-care@jkmail.com, Website : www.jklakshmicement.com, CIN : L74999RJ1938PLC019511
Regd. & Work Office : Jaykaypuram, Distt.-Sirohi, Rajasthan, Phone : 02971-244409/244410, Fax : 02971-244417, E-mail : lakshmi_cement@lc.jkmail.com
Local Address : Village-Malpuri Khurd, Khasadih, P.O. & Teh.-Ahiwara, Distt.-Durg-490 036 (C.G.), Tele.: 8966902222, 8966903333
E-mail: jklakshmi@durg.jkmail.com





For rectification of the reference to seven borewells in the mine NOC, the firm has already sent an official mail dated 05.07.2025 to CGWA (cgwa@nic.in). Accordingly, for compliance purposes with respect to the mine, only one borewell with a domestic requirement of 18.75 KLD (6,843.75 m³/year) is being considered.

We request your kind acceptance of the enclosed compliance submission.

Thanking you,

Yours faithfully,

For, M/s J K Lakshmi Cement Ltd.

A handwritten signature in black ink, appearing to read 'Rajpal Singh'.

Rajpal Singh

(Unit Head – Works)

Cc – Regional Director, Central Ground Water Board, (NCCR) North Centre Chhattisgarh Region, Dumartarai, Raipur - 492015

Admin. Office : Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi-110 002 Phone : 66001142 / 66001112 Fax : +91-11-23722251, 23722021
E-mail : jkcl.customercare@jkmail.com, Website : www.jklakshmicement.com, CIN : L74999RJ1938PLC019511
Regd. & Work Office : Jaykapuram, Distt.-Sirohi, Rajasthan, Phone : 02971-244409/244410, Fax : 02971-244417, E-mail : lakshmi_cement@ic.jkmail.com
Local Address : Village-Malpuri Khurd, Khasadih, P.O. & Teh.-Ahiwara, Distt.-Durg-490 036 (C.G.), Tele.: 8966902222, 8966903333
E-mail: jk.lakshmi@durg.jkmail.com





AFR System for Co- processing of Plastic & hazardous waste material

AMENDMENT IN EC FOR OPENING OF SECOND PIT

By Speed Post/Online

No. J-11011/1770/2007-IA.II (I)

Government of India

Ministry of Environment, Forest and Climate Change

Impact Assessment Division

Indira Paryavaran Bhavan,
Aliganj, Jor Bag Road,
New Delhi-110 003

Dated: 07th June, 2017

To,

M/s J.K. Lakshmi Cement Ltd
Malpuri Khurd, Khasadih, P.O.Ahirwara
District-Durg,
Chhattisgarh- 490036

Sub.: Amendments in EC No. J-11011/1170/2007-IA.II (I), dated 13.05.2009 w.r.t. opening of second pit in the MLA of project 'Integrated Cement Plant (Clinker, 3.0 MTPA, Cement 10.0 MTPA), Limestone mine (4.8 MTPA, 267.695 ha and 281.339 ha) and Captive Power Plant (40 MW) by M/s J.K. Lakshmi Cement Ltd., located at Village Semaria, Ghikudia, Nandini-Khundani, Tehsil Dhamda, District Durg, Chhattisgarh –regarding

**Reference: (i) Online Proposal no. IA/CG/IND/2436/2009
(ii) Environment Clearance vide No. J-11011/1770/2007-IA. II (I) dated 13.05.2009.**

Sir,

This has reference to your online application for amendment in EC vide no. J-11011/1170/2007-IA.II (I) dated 13.05.2009 w.r.t. opening of second pit in mining lease (267.695ha) to facilitate use of low grade limestone (Mineral Conservation) for blending with high grade limestone to optimize life of mines. The total mine lease area is of 267.695ha which is in two Blocks separated by the Seasonal Nala (a) Western block (Block-I)-202.205 hectare and (b) Eastern block (Block-II) 65.490 ha. The mine lease area lies between latitudes North 21° 24' 13.5" - 21° 25' 25.0", longitude East 81°23' 40.4" - 81°24' 52.9" respectively on the Survey of India topo sheet no. 64-G/7. The Project received online.

2. The Environmental Clearance was earlier granted by the Ministry, vide letter no. J-11011/1170/2007-IA.II (I), dated 13.05.2009 for the project 'Integrated Cement Plant (Clinker, 3.0 MTPA, Cement 10.0 MTPA), Limestone mine (4.8 MTPA, 267.695 ha and 281.339 ha) and Captive Power Plant (40 MW). The mine is located at Village Semaria, Ghikudia, Nandini-Khundani, Tehsil Dhamda, District Durg, Chhattisgarh. The Ministry vide letter dated 27.02.2010 and 23.07.2015 has amended the Environmental Clearance. Further the Ministry, vide letter dated 4th September, 2015 has extended the period of EC for five years w.e.f. 12.05.2014 by the Industry Sector of IA Division.

3. The proposal of Amendment in EC was earlier considered by the EAC (Non Coal Mining) in its meeting held during September 22-24, 2015. The Project Proponent, *Inter-alia*, mentioned that after analysis of the scout holes samples of both block -I & II. Blending ratio of present working pit of block -I & Block-II will be 70:30. The slight variation in blending ratio of Block-II is inevitable as per the ROM quality of Block-I. Opening of 2nd Pit is justified by utilization of low grade mineral which contains high silica and low lime, would

ANNEXURE- 17

**JK LAKSHMI CEMENT LTD.
MALPURI KHURD AHIWARA
Fly Ash Generation and utilization Details FY 2024-25**

FY	Fly Ash Generation (In MT)	Fly Ash utilization (In MT)
2024-25	10468.33	10468.33

Note: - Fly ash generated from captive power plant (20MW) is being 100% utilized in cement manufacturing premises itself.



Green Belt development at Cement Plant:

Total 111139 plants have been planted in 79 at plant premises.



Greenbelt Development at both Mines:

Total 233973 plants have been planted in 127.25 Ha.



Mines Premises
JKLC In – house Nursery at both Plant and Mines



GREEN BELT PHYSICAL VERIFICATION REPORT JK LAKSHMI CEMENT LIMITED.

10. Planted Plants Numbers, Survival Plants Numbers and Percentage

S.No.	Location	Planted Plants No.	Survival Plants No.
1.	Cement Plant Area	108617	110321
2.	Mines Lease Area	193656	184906
3.	CSR ACTIVITY	1700	1570
Total =		303973	296797
All over Percentage -			97.63%

11. Grading of Plantation :- Grade Card

M/s JK Lakshmi Cement Plant Ltd.

a. Grading of project plantation on scale of 1 to 10

Qualitative Aspects	Survival	9.8
	Health of Plantation	9.8
	Maintenance	9.6
	Sustainability	9.5

b. Grading of project plantation on scale 1 to 10

Overall Grading of Plantation	Outstanding (Excellent) (8<10)	Very Good (5<8)	Good (3<5)	Poor (>3)
	9.67			

12. Discussion with Management and Staff as Under -

1. Mr. Sanjay Arora : (Sr. GM - Liasoning & Geology)
2. Mr. Ashok Agnihotri : (Sr. Officer - Environment)

13. Conclusion and Suggestions :-

1. A Horticulture Division has been established under the supervision of EMD maintains the plantation on regular basis.
2. Plantation and greenery can be seen all around the plant premises and mines area.
3. The survival rate and the growth of the plantation are excellent.
4. The Horticulture division has developed their own nursery where they prepare new plants.
5. In the plant there are miscellaneous plantation has been carried out according to the availability of land and demand of the site.

GREEN BELT PHYSICAL VERIFICATION REPORT JK LAKSHMI CEMENT LIMITED.

6. The overall impression of the green belt developed by the Horticulture division of JK Lakshmi Cement Limited seems as they has paid more attention on planting decorative as well as ever green plants. While planting decorative species like palm and evergreen plantation is more preferred than the top canopy plants.
7. The greenery of the plant premise show the zeal and dedication of the Environment Management Department and they should be appreciated for such a good job.

14. Pictures of Plantation:





Plantation by nearby villages and School students under CSR activity

Mining best Practices



All bench edges are being fenced with rope and steel pipes to check fall of men during Blast Hole Drilling and Blast Hole charging operations.



Wet drilling is being practiced regularly to control dust emission.



After drilling all drill holes are being plugged with wooden collar cones.



As a dust control measures we have installed Bag houses and Water sprinkling system over conveyor belts.



To control dust generation during hauling regular water sprinkling is being done with water tanker



Fencing around the reservoir to prevent accidents



भारत सरकार
खान मंत्रालय
भारतीय खान ब्यूरो
लेवीय खान नियंत्रक कार्यालय
दिल्लीव राज. वैष्णवीवार्षि भौत इंडियन बॉर्ड भारतीय खान ब्यूरो
पोस्ट-विवाहालय, लखपुर-460005 (भौतिकाल)
फोन एवं फैक्ट: 077-2282530, 7265580 ई-मेल: ro.rupur.btm@gmail.com

राज. ए.डी. / रोड पोस्ट

सं. दुर्ग/कृष्ण-1183/2018-रामपुर/13/5.

दिनांक: 09.01.2019

प्रेषिति: रामपुरी जे के लद्दी सीमेंट लिमिटेड,
ग्राम- रामपुरी खुदौ, खासाहीह
पोस्ट - अहियारा, लहसील- धमधा,
जिला - दुर्ग, छत्तीसगढ़ - 490036

विषय: खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न) रियायत नियम 2016 के नियम 17(2) एवं खनिज संस्थान एवं विकास नियमावली 2017 के नियम 23 के अन्तर्गत प्रस्तुत निकाट ग्राम - सेमरिया एवं नदीनी खुनिदी, लहसील - धमधा, जिला - दुर्ग (एग) में रियत जे के लद्दी सीमेंट चूपा पत्थर खान, लोकल - 267.685 हैं की खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बद करने की योजना की प्रस्तुति।

संदर्भ: 1. आपका पत्र दिनांक 05.11.2018 एवं 01.01.2019
2. इस कार्यालय का समस्त्यक पत्र दिनांक 18.12.2018

महोदय

खान एवं खनिज (विकास एवं विनियम) अधिनियम, 1957 की धारा 5 की उपचारा 2 के अनुच्छेद (ख) तथा खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न) रियायत नियम 2016 के नियम 16 के उप-नियम 3 एवं नियम 17 समेत भारत सरकार के आदेश क्रमांक एस.ओ-1857 (ई) दिनांक 18.05.2016 के द्वारा प्रदत्त अधिकारी का प्रयोग करते हुए मैं एतद्वारा उल्लेखित खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बद करने की योजना का अनुमोदन करता हूं। यह अनुमोदन निम्नलिखित शर्तों के अधीन हुआ है -

1. इस खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बद करने की योजना का अनुमोदन केंद्र सरकार अथवा अन्य किसी प्राधिकारी द्वारा खान पर समय-समय पर लागू किए गए कानूनों पर प्रतिकूल प्रभाव डाले बिना किया गया है।
2. दस्तावेज में अध्याय प्लेटस पर दर्शाए गए प्रस्ताव आवेदक/पट्टाधारक द्वारा प्रस्तुत लीज में पर आधारित है तथा प्रस्ताव अनुमोदन की दिनांक से लागू है।
3. यह भी स्पष्ट किया जाता है कि इस खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बद करने की योजना के अनुमोदन में खान एवं खनिज (विकास और विनियम) अधिनियम, 1957 या खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न) रियायत नियम 2016 या और किसी अन्य कानून जिनमें वन (संरक्षण) अधिनियम, 1980, पर्यावरण बरिष्ठण अधिनियम, 1986 खान अधिनियम 1952 सहित अन्य किसी कानूनों के किसी अन्य प्राकाशन की शर्तों के अनुसार किसी भी प्रकार से सरकार का अनुमोदन संलग्न नहीं।
4. भारतीय खान ब्यूरो ने भूमि पर खनन पट्टे की सीमा का सत्यापन नहीं किया है अत आवेदक/पट्टाधारक द्वारा प्रस्तुत प्रिसाइज ऐरिया की सीमाओं की सत्यता के संबंध में कोई जिम्मेदारी नहीं ली जाती है।
5. किसी भी अवस्था में पदि यह देखा जाता है कि खनन योजना में दी गई सूचना या दिनांक

सं. दुर्ग/कृष्ण-1183/2018-रामपुर

ISSUED

14/1/19

असत्य अथवा तथ्यों को निश्चिप्तजोट करती है तो खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खनन बंद करने की योजना का अनुमोदन तुरन्त प्रभाव से वापस लेना चाहा जाएगा।

6. यह अनुमोदन वित्तीय वर्ष 2019-20 से 2023-24 के प्रस्तावों के लिए दिया गया है।

7. वित्तीय आवासन की अवधि दिनांक 31.03.2024 को समाप्त हो रही है। अवधि समाप्त की दिनांक को अवधा उत्तर सहित नहीं वित्तीय आवासन की खान नियंत्रक, भारतीय खान बूरो, रायपुर को प्रस्तुत किया जाएगा।

संलग्न अनुमोदित खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खनन बंद करने की योजना

महाराष्ट्र

३/११/२०१९

(श्री एल. गुजरे)
क्षेत्रीय खान नियंत्रक
भारतीय खान बूरो

०/८

प्रतिलिपि -

1. खान नियंत्रक (सम्पादक), भारतीय खान बूरो, नागपुर।
2. सचालक, भौमिकी एवं खनिकर्म, उत्तरीसंगम, इंद्रावाड़ी खनन, डिलीप तल, श्री कौलीक, कंपिटल कॉम्प्लेक्स, नवा रायपुर, उत्तरीसंगम को अनुमोदित खनन योजना का पुनर्विलोकन की प्रति को साध्य प्रेषित है।
3. निदेशक, खान सुरक्षा निदेशालय, सरोज विहार, खानतर्फ, विलासपुर, उत्तरीसंगम - 495006।
4. श्री शतम साहा, पद आई जी - 21, हुडुको कौलोनी, आमडो नगर, मिताई, जिला दुर्ग - 490005 (मग)।
5. खान पत्रापत्री।

३/११/२०१९

क्षेत्रीय खान नियंत्रक
भारतीय खान बूरो

०/८

सं. दूर्ग/पृष्ठ/खानी-1163/2018-रायपुर



The necessary Personal Protective Equipment (PPEs) has already been provided to the employees and workers.

COMPLIANCE TO THE RECOMMENDATIONS MENTIONED IN THE CREP GUIDELINES FOR CEMENT PLANT

SN.	CREP CONDITION	ACTION PLANNED
1	<p>Cement plant, 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.</p> <p>*No compliance units shall submit bank guarantee equivalent to 10% value of Pollution Control Equipment required.</p>	<p>Company is adopting efficient pollution control device to control particulate matters below the prescribed limits. We have installed bag filter as air pollution control (APC) equipment in plant to comply the notified standards.</p> <p>Regular monitoring of ambient air quality is being practiced.</p>
2	<p>Cement plants located in critically polluted or urban areas(including 5 Km distance outside urban boundary) will meet 100 mg/Nm³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter 50 mg/Nm³.</p>	<p>Not Applicable for us.</p> <p>Latest standard is being followed.</p>
3	<p>The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm³ for particulate matter emission.</p>	<ul style="list-style-type: none"> Efficient bag Filters and All Pollution Control Equipments designed to meet the limit of 30 mg/Nm³ for particulate matter emission are installed at various dust prone areas.
4	<p>CPCB will evolve load-based standards by December 2003.</p>	<ul style="list-style-type: none"> We installed equipment with latest technology to comply all standards prescribe by CPCB.
5	<p>CPCB and NCBM will evolve SO₂ and Nox emission standards by June -2004</p>	<ul style="list-style-type: none"> We installed equipment with latest technology to comply all standards prescribe by CPCB.
6	<p>The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall submit its recommendations within months.</p>	<ul style="list-style-type: none"> Efficient dust extraction systems (Bag filters) are installed at all transfer points covering work of transfer points, conveyors, Crushing plants, Material handling units, materials storage area, storage silos, and Electrostatic precipitator (ESP) for clinker are installed. Photographs of the same are enclosed as annexure - A Storage shades are constructed for storage of raw materials, silos are constructed for the storage of Clinker, Fly Ash and Cement etc.
7	<p>CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cock as fuel in Cement Kiln by July 2003.</p>	<ul style="list-style-type: none"> Noted

8	<p>After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operation/section for installation of continuous monitoring equipment. The industry will install the continuous monitoring system (CMS) BY December 2003.</p>	<ul style="list-style-type: none"> • Continuous SPM emission monitors on all major stacks are already installed.
9	<p>Tripping in Kiln to be minimized by July 2003 as per the recommendation on NTF</p>	<ul style="list-style-type: none"> • Noted
10	<p>Industries will submit the target date to enhance the utilization of waste material by April 2003.</p>	<p>We are utilizing solid waste material like fly ash in cement manufacturing. Reports are being submitted to the concerned authority from time to time.</p>
11	<p>NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.</p>	<ul style="list-style-type: none"> • Noted
12	<p>Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003.</p>	<ul style="list-style-type: none"> • Point dropped by the NTF. However, JKCL shall look into the possibility of co-generation of power through waste gases.

Amendment for change in configuration of clinker production from 1.5 MTPA to 1.98 MTPA through up-gradation and optimization in phase 1.

F. No. J-11011/1170/2007-IA. II(I)

Government of India

Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003

E-mail: sharath.kn@gov.in
Tel: 011-24695319

To

Dated: 26th November, 2018

Shri D.K. Mehta,
Senior Vice President - Works,
M/s. JK Lakshmi Cement Limited,
Malpuri Khurd Village, District Durg,
Chhattisgarh.

**Subject: Integrated Cement Plant [Clinker 3.00 MTPA; Cement: 10.0 MTPA
CPP: 40 MW; WHRB: 8 MW] and Lime Stone Mine [4.8 MTPA,
267.695 Ha and 252.105 Ha] at Malpuri Khurd Village, Dist. Durg,
Chhattisgarh by M/s. JK Lakshmi Cement Limited - Amendment
in Environmental Clearance for change in configuration of Clinker
production of 1.5 MTPA to 1.98 TPA through Up-gradation and
Optimization in Phase-I under the provisions of EIA Notification,
2006.**

Sir,

This has reference to your application vide online proposal No. IA/CG/IND/75581/2018 dated 26th June, 2018 seeking amendment in Environmental Clearance for change in configuration of Clinker production of 1.5 Million TPA to 1.98 Million TPA through Up-gradation and Optimization in Phase-I under the provisions of EIA Notification, 2006.

Details of the project as per the submission of Project Proponent

2.0 Environmental Clearance for the existing Cement Plant was issued vide letter No. J-11011/1170/2007-IA.II(I) dated 13th May, 2009 and corrected/modified copy issued by Ministry vide its letter of even No. dated 27th February, 2010 in the name of M/s. JK Lakshmi Cement Limited for Integrated Cement Plant [Clinker 3.0 MTPA; Cement: 10.0 MTPA], Lime Stone Mine [4.8 MTPA, 267.695 Ha and 252.105 Ha] and Captive Power Plant 40 MW at Malpuri Khurd Village, Dist. Durg, Chhattisgarh which consists of Phase-I and Phase-II. The validity of the environmental clearance was extended up to 12.5.2019 vide letter No. J-11011/1170/2007-IA.II(I) dated 4th September, 2015.



Water sprinklers all around the coal stockpiles to control fugitive dust emission.



JKLC/DURG/ENV/CECB/HO-06

Dated: - 03.10.2025

To,
Member Secretary
Chhattisgarh Environment Conservation Board,
Paryawans Bhawan, North Block Sector-19,
Atal Nagar, Raipur (C.G.) 492002

Sub: Submission of Monthly Environment Monitoring Report for the Month of September -2025.

Sir,
With reference to aforesaid, we are submitting herewith monthly Environment Monitoring Report for the month of September 2025 for our Integrated Cement Plant (Clinker – 1.98 MTPA, Cement – 5.0 MTPA, WHR - 10 MW), Captive Power Plant (20 MW) situated at Malpuri Khurd, Khasadih and for Lime Stone Mines (Lease Area ML-1, 267.695 Ha., ML-2, 252.105 Ha. and ML-3, 3.096 Ha.) at Villages –Semaria, Ghikuriya, Nandini-Khundini, P.O. Ahiwara, Tehsil Dhamdha, Dist Durg (CG).

This is for your kind information and record Please.

Thanking you

Yours Faithfully
For JK LAKSHMI CEMENT LTD.

Rajpal Singh
Plant Head (Works)

Encl.: As above



CC: Regional Officer – Chhattisgarh Environment Conservation Board, 5/32 Bungalow Bhilai,
Dist. – Durg (C.G.)



Admin. Office : Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi-110 002 Phone: 011-23722251, 23722021
E-mail: jkcl.customecare@jkmail.com, Website : www.jklakshmi.com, CIN : U74999RJ1938PLC019511
Regd. & Work Office : Jaykaypuram, Distt. Sirohi, Rajasthan, Phone: 02971-244409/244410, Fax: 02971-244417, E-mail : lakshmi_cement@jkmail.com
Local Address : Village-Malpuri Khurd, Khasadih, P.O. & Teh.-Ahiwara, Distt. Durg-492036 (C.G.), Tele.: 8966902222, 8966903333



Rain water harvesting structures

Our integrated approach to harvest Rainwater, company has constructed 53 rainwater harvesting systems with a rain water harvesting potential of 1659782.0 m³/year @ rainfall of 960 mm. Apart from this company has constructed 6 rainwater harvesting structures in nearby villages, to recharge Rainwater.



CSR Activities undertaken

CSR Budget /Expenses for the FY 2025-26					
Area of Operation as per Schedule VII	Sub-Head	Activity	Budget/Expenses for FY 2025-26 In (Lacs)	Expenses Apr. 25 – Sep. 25 in (Lacs)	Brief Detail
Eradicating Hunger, Poverty and Malnutrition promoting Preventive Health Care & Sanitation and making available Safe Drinking Water	Health Care	Free Health Camp (Arogya Project)	24.06	11.51	Free health camp at 09 nearby villages under the CSR Activities.
	Swajal and swachhata project	Hygiene and Sanitation	22.9	13.59	<ol style="list-style-type: none"> 1. Pond deepening work at Ahiwara (Gothan) village. 2. Through irrigation project, the mine water was made available through water pipeline to the villagers in the mine area. 3. Garbage management at nearby villages. 4. Safe Drinking Water 5. Water Tanker Tractor to solve the drinking water problem in Nandini Khundini Village
Promoting Education including special education the differently abled.	Education	Vidaya Project 1. Infrastructure support to school. 2. JK Lakshmi Vidaya Scholarship. 3. Coaching/tuition classes.	18.41	7.37	<ol style="list-style-type: none"> 1. Expenses of Community library with Rent charges 2. NMMSE Coaching 3. Navodaya Coaching, Prayash Residential School, NTS Shreshtha Coaching 4. NEET and Vyapam Coaching
Employment especially among children, Women, Elderly and Livelihood enhancement projects Empowerments and livelihood &	Livelihood Intervention & Vocational Skills	JK LAKSHMI AAJIVIKA PROJECT SHG Formation for creating Livelihood opportunities	19.7	5.09	<ol style="list-style-type: none"> 1. Honorarium of 6 trainer of tailoring centre and rent charges 2. Support to Entrepreneurship development. 3. Computer training , E-learning programs , Sumner classes , vocational training , Youth Pratibha Coaching , 4. Animal welfare at nearby villages
	Animal Welfare				

Ensuring environmental sustainability, ecological balance, protection of flora and fauna animal welfare, agroforestry, conversation of natural resources and maintain quality of soil, air and water.	Community Development / Gramin Vikash Project	Infrastructure support and irrigation facilities at nearby villages of Mines area	17.7	14.47	<ol style="list-style-type: none"> 1. Work of fixing tiles for 3 rooms in Ahiwara Government Community Health Centre. 2. Painting work for Panchayat Bhawan Girhola Village. 3. Murom was laid on the unpaved roads of Malpuri and Sandi villages.. 4. Support to 09 nearby Village for village Level Cultural Activities.
Total Expenses			102.77	52.03	



Tuition/Coaching Classes



Computer training



Skill Development program Youth Empowerment



GARBAGE MANAGE



Fogging activity to control mosquitoes in nearby 9 villages



Free Medical camps and Medicine is being Distributed in nearby 9 villages.



Silai - Kadhai Trainings



Ref: B-111011/3/2008-M&MP

To

**The Director (IA Division),
Ministry of Environment & Forest,
Government of India,
Parivartan Bhawan, CGO Complex,
Lodhi Road
New Delhi- 110003**

Date: 15.02.10

ଓৰা মন্ত্ৰণালয়/RECEIVED
Ministry of Environment & Forests
কলকাতা, প্ৰদেশ মন্ত্ৰণালয়
C. P. 100, ৰাজবাড়ী, কলকাতা-১০
১০-১২ মে ১৯৯৪। মন্ত্ৰণালয়

32 177-2712

Kind attn : Dr. P.B. Rastogi
(Director)

Sub: Proposed Integrated Cement Project : Clinker production-3.0 MTPA, Cement production 10.0 MTPA; Captive Power Plant 40 MW & Limestone Mines (267.695 ha & 281.339 ha) at Village Semaria, Ghikuria, Nandani Kundani, Malputi Khurd & Khasadih, District Durg, Chattisgarh by M/s J K Lakshmi Cement Ltd.

Ref: MoEF F.No. J-11011/1170/2007-IA II (I)

Respected Sir,

This has reference to the aforesaid subject & discussions held during 7th Meeting of the EAC (Industry-I) held on 3rd February, 2010 (Item 6.2); we hereby commit that out of the total project cost which is estimated to be Rs. 1100 Crore, around 5% of the actual cost of the project (in case if it fluctuates to the estimated cost) will be spent on the CSR Activities, for the development in the nearby villages in the project site (**detailed as Annexure I**).

Kindly consider our case & grant Environment Clearance for the same at your earliest.

Thanking you and with regards,

Yours faithfully,
For M/s JK Lakshmi Cement Ltd.

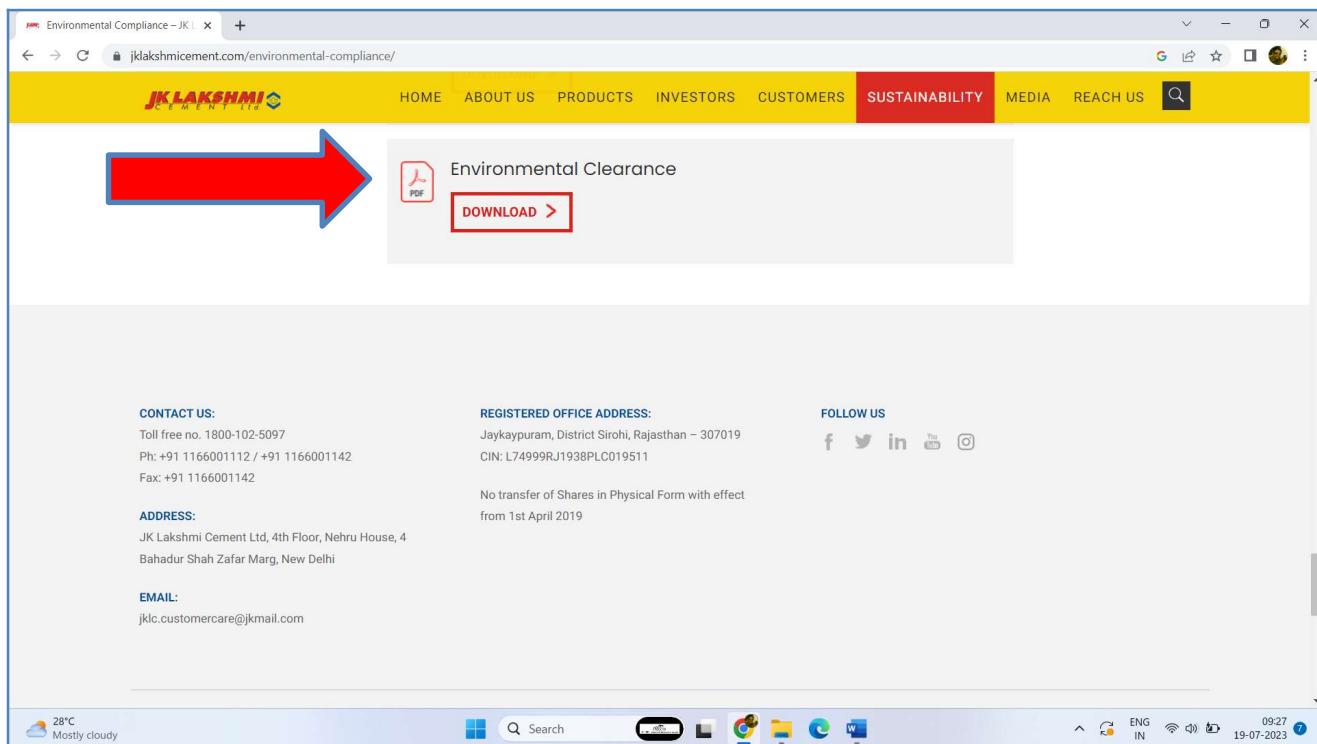
JK LAKSHMI PLAST | **JK LAKSHMI**
(V.K. Mehta)
Sr. V.P (M&MP).
Admn. Office: Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi 110 002; Phone: 41011116, 23311112/ 13/ 14/ 15; Fax: 91-011-23722251/ 23722021;
E-Mail: ic@jkmail.com; Website: jk.lakshmi.com
Regd. & Works Office: Jaykaypuram, Dist: Sirohi, Rajasthan; Phone: 02971-242257/242268; Fax: 02971-244417; E-Mail: jkshmi_cement@ic.jkmail.com

JK LAKSHMI

JK LAKSHMIPLAST

JK LAKSHMI
READY MIX CONCRETE

Annexure -29



A screenshot of a web browser displaying the JK Lakshmi Cement website. The page is titled 'Environmental Compliance - JK Lakshmi Cement'. The navigation bar includes links for HOME, ABOUT US, PRODUCTS, INVESTORS, CUSTOMERS, SUSTAINABILITY (which is highlighted in red), MEDIA, and REACH US. A search bar is also present. A large red arrow points to a section titled 'Environmental Clearance' which contains a PDF icon and a 'DOWNLOAD >' button. Below this section, there are contact details, registered office address, and social media links. The bottom of the screen shows a Windows taskbar with various icons and system status information.

CONTACT US:
Toll free no. 1800-102-5097
Ph: +91 1166001112 / +91 1166001142
Fax: +91 1166001142

ADDRESS:
JK Lakshmi Cement Ltd, 4th Floor, Nehru House, 4
Bahadur Shah Zafar Marg, New Delhi

EMAIL:
jkcl.customer-care@jkmail.com

REGISTERED OFFICE ADDRESS:
Jaykapuram, District Sirohi, Rajasthan – 307019
CIN: L74999RJ1938PLC019511

No transfer of Shares in Physical Form with effect
from 1st April 2019

FOLLOW US

28°C Mostly cloudy

Search

09:27 19-07-2023

Copy of EC uploaded on Company website

सूचना

सर्वसाधारण को सूचित किया जाता है कि मे.जे.के.लक्ष्मी सीमेंट लिमिटेड को संशोधित पर्यावरणीय स्वीकृति ग्राम सेमरिया, धिकुड़िया नंदनी-खुंदनी, मलपुरी खुर्द एवं खासाड़ीह तहसील-धमधा, जिला-दुर्ग में प्रस्तावित इंटिग्रेटेड सीमेंट प्रोजेक्ट (किंलकर उत्पादन 3MTPA सीमेंट उत्पादन 10MTPA), केप्टिव पावर प्लॉट 40 मेगावाट एवं लाइम स्टोन माइन्स (267.695 हेक्टेयर एवं 281.339 हेक्टे.) को पत्र क्रमांक 1 No.J. 11011/1170/2007-1A 11(1) दिनांक 27.02.2010 को प्राप्त हुई है।

उपरोक्त पर्यावरणीय स्वीकृति पत्र की प्रति, मुख्यालय छत्तीसगढ़ पर्यावरण संरक्षण मंडल 1 तिलक नगर, शिव मंदिर चौक, मेन रोड, अवंति विहार रायपुर (छ.ग.) और पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://envfor.nic.in> में देखी जा सकती है।

सूचनार्थी

जे.के.लक्ष्मी सीमेंट लिमिटेड

4, नेहरू हाउस बहादुर साह जफर मार्ग
नई दिल्ली

16th Nov. 2010
chattisgarh

कार्यालय, रायपुर विकास प्राधिकरण, रायपुर (छ.ग.)
उद्घोषणा

क्रमांक 6777/रा.शा./आर.सी./027/विवरा/2010

रायपुर दिनांक 9.11.2010

प्रधिकरण की शैलेन्ड नगर नेजनांतर्गत श्रीमती जमुना देवी गुप्ता के सामं पर्यावरण क्रमांक LIG-E-53, 30 वर्षीय पट्टे पर ध्यारित है। आवंटिती को वृत्त्यु हो जाने के कारण उक्त मकान के नामांतरण उनके पुत्र पुरुषोत्तम लाल गुप्ता के नाम पर किये जाने हेतु वसीयतनाम कार्यालय में प्रस्तुत किया गया है।

उक्त नामांतरण किये जाने में यदि किसी को कोई आपत्ति/दावा होती है तो दिनांक 16.11.10 तक अधोहस्ताक्षरकर्ता के उक्त उपस्थित होकर प्रस्तुत कर सकते हैं। निर्धारित अवधि में कोई आपत्ति/दावा प्रस्तुत न होने पर प्रचलित नियमों के अनुसार आवेदन का निराकरण कर दिया जावेगा। जिसके बाद कोई आपत्ति/दावा ग्राह्य नहीं होगा।

राजस्व अधिकारी (तह.)
रायपुर विकास प्राधिकरण
रायपुर (छ.ग.)

आपत्ति हो तो वे स्वयं या अपने अधिभाषक के माध्यम से अपनी लिखित आपत्ति दिनांक 25.11.2010 को इस न्यायालय में पेश करें। सम्बावधि के बाद प्राप्त दावा/आपत्ति पर कोई विचार नहीं किया जावेगा।

आज दिनांक 10.11.2010 को मेरे हस्ताक्षर एवं न्यायालय की मुहर से जारी किया गया।

मुहर

तहसीलदार
रायपुर (छ.शासन)

की कार्यवाही में भाग नहीं लेना चाहते। ऐसी दशा में आपके खिलाफ एकपक्षीय कार्यवाही की जाएगी।

यदि उक्त पेशी दिनांक 8.12.10 को किसी कारणवश इस न्यायालय का कांक्रिया बंद रहता है तो इस प्रकरण की सुनवाई पेशी दिनांक ... के पश्चात अगली कार्य दिवस पर प्रातः 11.00 बजे होगी।

मेरे हस्ताक्षर और अदालत की मुद्रा की आज दिनांक 30.10.10 को जारी।

मुहर

डी.के.तिवारी
प्रधान न्यायाधीश
कुटुम्ब न्यायालय, दुर्ग (छ.ग.)

सूचना

सर्वसाधारण को सूचित किया जाता है, कि मे.जे.के.लक्ष्मी सीमेंट लिमिटेड को संशोधित पर्यावरणीय स्वीकृति ग्राम सेमरिया, नंदनी-खुंदनी, मलपुरी खुर्द एवं खासाड़ीह तहसील-धमधा, जिला-दुर्ग में प्रस्तावित इंटिग्रेटेड सीमेंट प्रोजेक्ट (किंलकर उत्पादन 3MTPA, सीमेंट उत्पादन 10MTPA), केप्टिव पावर प्लॉट 40 मेगावाट एवं लाइम स्टोन माइन्स (267.695 हेक्टेयर एवं 281.339 हेक्टे.) को पत्र क्रमांक F.No.J. 11011/1170/2007-1A 11(1) दिनांक 27.2.2010 को प्राप्त हुई है। उपरोक्त पर्यावरणीय स्वीकृति पत्र की प्रति, मुख्यालय छत्तीसगढ़ पर्यावरण संरक्षण मंडल, 1 तिलक नगर, शिव मंदिर चौक, मेन रोड, अवंति विहार रायपुर (छ.ग.) और पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://envfor.nic.in> में देखी जा सकती है।

सूचनार्थी

जे.के.लक्ष्मी सीमेंट लिमिटेड
4, नेहरू हाउस बहादुर साह जफर मार्ग
नई दिल्ली

16th Nov. 2010

Amrit Sandesh.

Annexure-30

0/C



JKLC/DU/ENV/ENST-11/2025-26/2

Dated: 24.06.2025

To,

Member Secretary
Chhattisgarh Environment Conservation board
Paryawas Bhawan, North Block, Sector-19,
Atal Nagar Dist-Raipur (C.G)- 492002

Subject: Submission of Environmental Statement Report (Form-V) for the year 2024-25.

Sir,

We are submitting herewith "Environmental Statement report (Form-V)" for our Integrated Cement Plant (Clinker – 1.98 MTPA, Cement – 5.0 MTPA, WHR - 10 MW), Captive Power Plant (20 MW), and for Lime Stone Mines (Lease Area ML-1, 267.695 Ha. and ML-2, 252.105 Ha.) for the financial year 2024-25 ending 31st March 2025.

This is for your kind Record and perusal please.

Yours Faithfully

For JK Lakshmi Cement Ltd.

A handwritten signature in black ink, appearing to read "Mukul Srivastava".

Mukul Srivastava
(Sr. Vice President-Works)

Encl: Environmental Statement Report (Form- V)

CC: Regional Officer- Chhattisgarh Environment Conservation Board, 5/32 Bungalow, Bhilai,
Dist.-Durg, C.G



Admn. Office : Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi-110 002 Phone : 66001142 / 66001112 Fax : +91-11-23722251, 23722021
E-mail : jkcl.custercare@jkmail.com, Website : www.jklakshmicement.com, CIN : L74999RJ1938PLC019511
Regd. & Work Office : Jaykaypuram, Distt.-Sirohi, Rajasthan, Phone : 02971-244409/244410, Fax : 02971-244417, E-mail : lakshmi_cement@lc.jkmail.com
Local Address : Village-Malpuri Khurd, Khasadih, P.O. & Teh.-Ahiwara, Distt.-Durg-490 036 (C.G.), Tele.: 8966902222, 8966903333
E-mail: jklakshmi@durg.jkmail.com



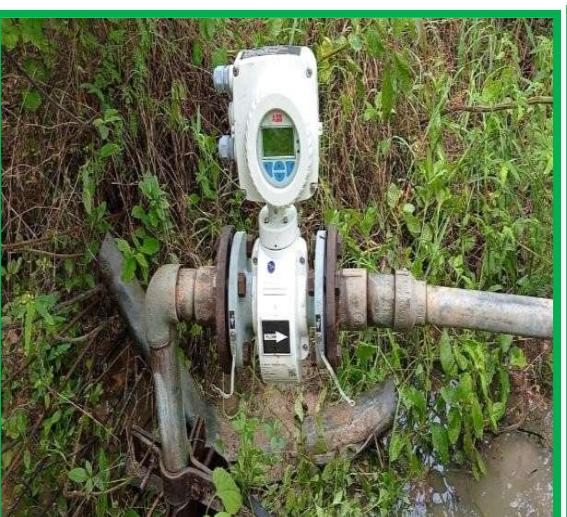
Piezometer installed to measure Ground water Level .



Ground Water Level Monitoring Report (April 2025 to September 2025)

LOCATION	PZ.NO.	Apr 2025	May 2025	June 2025	July 2025	Aug. 2025	Sept. 2025
		W.L. in meter					
Plant Area - East	PZ1	12.9	13.8	15.2	16.1	8.5	7.1
Plant Area -Laxmi Vatika	PZ2	16.6	17	16.8	17.4	4.6	3.2
Plant Area -Malpuri Gate Boundry	PZ3	10.4	11.9	13.7	15.6	6.3	6.3
Plant Area -North Side Boundry	PZ4	14.2	15.6	16.2	16.9	8.4	5.1
<hr/>							
Mines Area -Ramp Side	PZ1	5.7	5.8	6.3	6	0.4	0.4
Mines Area -Semaria Village Boundry	PZ2	11.8	12.5	13.7	14.9	6.7	5.2
Mines Area -Hardi Village Boundry	PZ3	13.3	14.9	16.8	18.4	10.2	10
Mines Area -Nandini Khundani Village Boundry	PZ4	12.2	13.8	14.3	15.7	3.5	4

Water meters installed to assess Water withdrawal at our Plant & Mines



JK Lakshmi Cement Ltd. durg																														
Malpuri khurd Khasadih Ahiwara Distt. Durg CG																														
Ambient Air Monitoring report April to Sep.- 2025 (plant area)																														
Stations	PM10 (<10 μm) $\mu\text{g}/\text{m}^3$					PM2.5(<2.5 μm)					So2 $\mu\text{g}/\text{m}^3$					Nox $\mu\text{g}/\text{m}^3$					CO mg/m^3									
	Apr25	May25	Jun25	Jul25	Aug25	Sep25	Apr25	May25	Jun25	Jul25	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25
Near Main Gate	70.1	75.57	69.66	77.94	62.37	75.46	35.3	37.16	34.04	45.18	30.42	39.77	10.1	13.71	14.86	15.07	12.61	17.19	20.2	21.77	22.75	24.39	18.7	25.37	0.274	0.338	0.37	0.451	0.298	0.426
Coal Dump Yard	85.7	81.9	73.87	69.57	70.42	77.31	42.7	42.32	35.21	41.33	35.23	40.25	13.7	17.23	15.33	17.23	18.31	12.38	27	28.83	26.55	25.06	25.39	22.24	0.326	0.41	0.45	0.387	0.345	0.364
Railway Siding	79.4	74.7	68.93	63.21	58.3	60.53	39.6	37.9	33.27	38.6	25.4	26.71	9.9	11.6	12.26	14.8	20.72	12.54	19.3	20.8	19.17	24.88	27.63	23.28	0.275	0.37	0.41	0.41	0.275	0.346
Clinker Yard	81.8	61.3	80.81	82.62	76.22	73.61	40.8	30.1	40.22	47.21	31.45	29.36	11.8	10.9	13.67	19.5	15.31	14.85	21.4	18.8	21.72	25.73	22.41	24.67	0.222	0.28	0.36	0.325	0.421	0.418
CPCB standars	100 $\mu\text{g}/\text{m}^3$ (24 Hours)					60 $\mu\text{g}/\text{m}^3$ (24 Hours)					80 $\mu\text{g}/\text{m}^3$ (24 Hours)					80 $\mu\text{g}/\text{m}^3$ (24 Hours)					4.0 mg/m^3 (1 Hours)									

JK Lakshmi Cement Ltd. durg																																			
Malpuri Khurd Khasadil Ahiwara Durg Cg																																			
Ambient Air report April to Sep - 2025 (Mines area)																																			
Stations	PM10 ($10 \mu\text{m}$) $\mu\text{g}/\text{m}^3$										PM _{2.5} ($<2.5 \mu\text{m}$) $\mu\text{g}/\text{m}^3$										SO ₂ $\mu\text{g}/\text{m}^3$					NO _x $\mu\text{g}/\text{m}^3$					CO mg/m^3				
Month	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25					
Near Mine Office	61.8	61.36	65.72	69.3	69.31	71.23	35.6	30.17	32.64	35.6	32.64	33.61	10.3	10.94	11.79	12.3	13.21	15.47	16.7	10.89	17.22	19.6	20.05	21.52	0.205	0.281	0.25	0.35	0.312	0.289					
Mine Lease -1 North direction	62.7	67.59	64.33	72.56	78.64	72.46	31.6	33.23	30.15	40.12	38.71	43.42	8.2	10.31	11.32	15.89	14.89	13.73	17.1	18.43	18.05	21.36	19.72	21.81	0.221	0.303	0.27	0.321	0.378	0.329					
Mines Lease -1 East direction	81.1	73.14	71.22	68.51	65.23	61.56	40.9	34.5	35.55	31.48	28.96	29.87	10.6	11.21	10.1	9.89	13.71	10.53	22.2	20.5	18.91	17.61	20.28	18.24	0.286	0.363	0.33	0.36	0.245	0.297					
Mines Lease -1 South direction	64.9	69.96	64.48	79.52	60.6	69.74	32.7	34.4	30.22	43.65	25.33	36.21	8.5	10.69	11.52	18.96	15.79	12.46	17.8	19.19	17.68	25.41	22.64	20.82	0.228	0.312	0.28	0.274	0.456	0.354					
For Mining Lease-1 (267.695 Ha.)																																			
Month	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25					
Mines Lease -2 East direction	68.6	73.95	68.16	80.45	61.37	73.81	34.5	36.36	32.9	40.23	32.14	39.44	9	11.32	10.77	15.46	10.46	18.71	18.8	20.26	19.08	20.93	15.89	24.26	0.241	0.33	0.3	0.345	0.489	0.407					
Mine Lease -2 West direction	76.7	82.69	85.02	65.45	71.4	70.42	38.6	39.83	41.12	32.12	35.62	36.14	10	12.58	13.18	10.56	15.24	16.34	21	22.64	20.86	15.89	22.67	25.39	0.27	0.37	0.34	0.235	0.249	0.325					
Mines Lease -2 North direction	67.1	70.32	73.14	75.46	82.36	68.79	33.8	34.93	37.64	37.64	37.54	37.54	8.8	9.31	9.75	13.2	11.62	15.67	18.4	18.91	17.43	21.68	16.31	19.72	0.236	0.283	0.26	0.29	0.315	0.287					
Mines Lease -2 South direction	77.4	79.57	78.12	67.23	65.78	74.52	39	37.53	38.17	34.21	29.45	37.16	10.1	12.7	12.14	11.13	18.96	14.28	21.2	19.54	18.4	18.75	25.61	19.72	0.273	0.292	0.31	0.245	0.315	0.285					
For Mining Lease-2 (252.10 Ha.)																																			
Month	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25	Apr25	May25	Jun25	July	Aug25	Sep25					
Mines Lease -3 East direction	66.4	60.55	62.49	78.19	82.64	66.96	33.4	29.71	28.66	35.72	34.67	35.54	8.7	9.2	8.57	17.63	19.78	9.87	18.2	16.88	16.06	25.46	23.45	17.21	0.234	0.25	0.23	0.315	0.348	0.294					
Mine Lease -3 West direction	64.9	68.93	64.91	66.23	75.67	65.81	32.7	33.68	31.07	28.96	28.97	32.45	8.5	10.69	10.17	12.46	12.34	11.52	17.8	19.19	17.68	22.09	15.21	18.61	0.228	0.267	0.29	0.33	0.497	0.295					
Mines Lease -3 North direction	71.5	77.08	80.02	61.87	68.31	60.27	36	37.59	38.62	25.43	31.21	28.11	9.4	11.82	12.62	9.15	14.67	13.96	19.6	20.54	18.85	16.78	19.54	20.83	0.252	0.287	0.26	0.311	0.315	0.421					
Mines Lease -3 South direction	69.3	74.71	71.03	74.2	70.94	63.44	34.9	37.4	34.57	31.31	36.1	30.48	9.1	10.26	9.45	15.24	13.49	11.23	19	19.85	17.9	21.58	18.6	16.37	0.244	0.31	0.35	0.278	0.465	0.358					
CPCB standars																																			
	100 $\mu\text{g}/\text{m}^3$ (24 Hours)										60 $\mu\text{g}/\text{m}^3$ (24 Hours)										80 $\mu\text{g}/\text{m}^3$ (24 Hours)					80 $\mu\text{g}/\text{m}^3$ (24 Hours)					4.0 mg/m^3 (1 Hours)				

JK Lakshmi Cement Ltd. Durg Malpuri Khurd Ahiwara Durg CG												
STACK EMISSION ANALYSIS REPORT APRIL TO SEP. 2025												
Particulars	Unit	Stack 1	Stack 2	Stack 3	Stack 4	Stack 5	Stack 6	Conse nt Status	Stack 7	Stack 8	Stack 9	Consent Status
Stack Attached with	-	Raw Mill RABH	Clinker Cooler ESP	Coal Mill Bag House	Cement Mill-1 Bag House	Cement Mill-2 Bag House	Slag Mill Bag House					
Stack Height	meter	64	43	57.7	56.1	56.1	48	-	84	32	5	
Stack Inner Dia	meter	6	3.55	2.8	1.4	1.4	4.3	-	4.8	1.5	0.25	
Apr25												
Flue Gas Temperature	°C	101	116	78	80	82	132	-	123	47	128	
Velocity	m/s	11.19	12.06	11.08	10.85	10.12	12.25	-	12.52	11.3	12.35	
Total Volumetric Flow	Nm ³ /hr	872576	317070	200767	48876	45326	453924	-	590018	64479	1562	
Total Particulate Matter (TPM)	mg/Nm ³	22.14	21.22	24.18	23.5	23.36	24.54	< 30.0	23.1	30	20.66	13.8
SO2	mg/Nm ³	51.34	NA	NA	21.46	NA	NA	100	76.38	100	NA	57.5
NOx	mg/Nm ³	296.4	NA	NA	NA	NA	NA	600	69.42	100	NA	84.3
Mercury(Hg)	mg/Nm ³								0.0144	0.03	NA	
May25												
Flue Gas Temperature	°C	101	124	66	75	78	76	-	118	40	135	
Velocity	m/s	11.19	10.8	10.55	9.07	9.46	11.08	-	10.16	10.35	11.28	
Total Volumetric Flow	Nm ³ /hr	872576	278275	198022	41454	42873	476533	-	485462	60377.04	1402	
Total Particulate Matter (TPM)	mg/Nm ³	22.14	17.36	21.65	23.08	21.74	23.1	< 30.0	24.5	30	17.25	16.43
SO2	mg/Nm ³	51.34	NA	NA	21.46	NA	NA	100	71.29	100	NA	79.5
NOx	mg/Nm ³	296.4	NA	NA	NA	NA	NA	600	60.77	100	NA	87.3
Mercury(Hg)	mg/Nm ³								0.0086	0.03	NA	NA
June25												
Flue Gas Temperature	°C	81	115	62	79	76	70	-	107	38	126	
Velocity	m/s	9.94	10.54	9.91	9.96	9.57	10.64	-	10.47	9.96	10.9	
Total Volumetric Flow	Nm ³ /hr	819584.12	277764.47	188192.45	45006.58	43610.31	465777.72	-	514667.52	58489.56	1386.09	
Total Particulate Matter (TPM)	mg/Nm ³	18.25	15.8	17.33	22.51	21.16	22.84	< 30.0	23.07	30	15.29	21.68
SO2	mg/Nm ³	61.39	NA	NA	21.46	NA	NA	100	65.88	100	NA	72.2
NOx	mg/Nm ³	246.1	NA	NA	NA	NA	NA	600	52.4	100	NA	80.6
Mercury(Hg)	mg/Nm ³	NA	NA	NA	NA	NA	NA		0.0073	0.03	NA	NA
July25												
Flue Gas Temperature	°C	76	124	64	77	75	78	-	112	36	117	
Velocity	m/s	7.5	9.66	8.99	10.23	9.71	8.97	-	11.37	10.13	11.29	
Total Volumetric Flow	Nm ³ /hr	641238.85	266627.31	173456.76	46558.32	44980.41	402841.55	-	550965.9	60602.42	1465.66	
Total Particulate Matter (TPM)	mg/Nm ³	21.2	23.4	19.5	21.14	22.7	23.4	< 30.0	21.85	30	12.92	25.1
SO2	mg/Nm ³	56.22	NA	NA	21.46	NA	NA	100	60.37	100	NA	80.44
NOx	mg/Nm ³	214.89	NA	NA	NA	NA	NA	600	49.56	100	NA	89.2
Mercury(Hg)	mg/Nm ³	NA	NA	NA	NA	NA	NA		0.0061	0.03	NA	NA
Aug2025												
Flue Gas Temperature	°C	78	123	65	75	78	72	-	116	36	126	
Velocity	m/s	8.68	10.66	8.2	10.82	10.42	9.25	-	11.2	10.66	10.83	
Total Volumetric Flow	Nm ³ /hr	720933	274780	154185	49423.28	47211.83	402308.75	-	537039	62939	1375.13	
Total Particulate Matter (TPM)	mg/Nm ³	19.68	23.4	21.26	22.35	24.5	23.6		19.45	30	21.2	22.56
SO2	mg/Nm ³	63.04	NA	NA	21.46	NA	NA	100	52.28	100	NA	73.39
NOx	mg/Nm ³	345.5	NA	NA	NA	NA	NA	600	45.1	100	NA	80.53
Mercury(Hg)	mg/Nm ³	NA	NA	NA	NA	NA	NA		0.0047	0.03	NA	NA
Sept2025												
Flue Gas Temperature	°C	66	115	58	72	76	69	-	124	32	118	
Velocity	m/s	9.16	9.92	8.87	10.66	10.86	9.5	-	10.2	10.24	11.74	
Total Volumetric Flow	Nm ³ /hr	791376.63	262390.23	171010.39	49301.2	49431	418208.69	-	481053.5	61526.56	1527.85	
Total Particulate Matter (TPM)	mg/Nm ³	17.35	19.46	17.08	23.71	22.36	22.15	< 30.0	17.83	30	23.55	26.42
SO2	mg/Nm ³	55.29	NA	NA	NA	NA	NA	100	49.11	100	NA	70.38
NOx	mg/Nm ³	225.1	NA	NA	NA	NA	NA	600	42.23	100	NA	74.59
Mercury(Hg)	mg/Nm ³	NA	NA	NA	NA	NA	NA		0.0044	0.03	NA	NA

JK Lakshmi Cement Ltd. Durg

Malpuri khurd Ahiwara

Result of Test report of fugitive dust Workplace Air Quality Emission Monitoring

Sr. No	Monitoring Location	Apr25	May25	Jun25	Jul25	Aug25	Sep25
	Suspende particulate Matter	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
1	Cement packing Plant	832	796	518	622	650	567
2	Cement Mill Area	724	558	472	515	721	614
3	Raw mill area	576	510	436	482	570	494
4	CPP Coal Stock Area	958	822	722	638	610	573
5	Lime Stone crasher Area	754	572	510	545	710	638
6	Mine Pit area	382	324	466	510	480	526

JK Lakshmi Cement Ltd. Durg

Malpuri khurd Ahiwara

Noise Level Report plant April to September - 2025

Code	Stations	Apr25	May25	Jun25	Jul25	Aug25	Sep25
NL – 1	Main gate Plant Boundary	62.8	64.7	66.4	67.3	65.6	64.1
NL – 2	Coal Dump Side plant Boundary	58.7	66.9	63	65.4	61.6	62.4
NL – 3	Railway Siding plant Boundary	64.3	63.2	62.1	60.1	66.8	67.1
NL – 4	Clinker Yard plant Boundary	64.7	60.5	57	59.7	59.4	63.7

Noise level (Day hours) CBCP standar 75dB(A)

Code	Stations	Apr25	May25	Jun25	Jul25	Aug25	Sep25
NL - 1	Main gate Plant Boundary	53.1	56.2	57.7	60.2	58.2	61.8
NL - 2	Coal Dump Side plant Boundary	51.4	59.2	56	59.6	55.5	58.6
NL - 3	Railway Siding plant Boundary	52.9	57.1	54.9	53.2	60.1	59.5
NL - 4	Clinker Yard plant Boundary	53.9	52.2	49.2	52.3	52.2	57

Noise level (night hours) CBCP standar 70 dB(A)

JK Lakshmi Cement Ltd. Durg			
Malpuri khurd Ahiwara			
<u>Result of Test report of Work Zone Noise level Monitoring</u>			
Sr. No	Monitoring Location	Average Noise Level in db(A) - Leq	
Month		May25	Aug25
1	Kiln Area	71.7	68.8
2	Raw mill area	73.8	71.7
3	Coal Mill area	65.5	64.1
4	Cement Mill area	77.5	75.2
5	Packing plant area	72.3	70
6	CPP Plant area	75.8	74.1
7	Lime stone Crusher area	75.2	73.8
Noise Limit as per the factories act		< 85 db (A)- Leq	

JK Lakshami Cement Ltd. Durg											
Malpuri Khurd Ahiwara Durg CG											
Sample Description : Ground Water Core Zone					Sampling Date : 22/05/2025						
Analysis Start Date : 23/05/2025					Analysis Completion Date : 09/06/2025						
Sample Quantity : 2L+2L+1L					Sampling Location of Bore Wells Ground Water						
Sampling Method : IS3025 (Part - 1)											
Sr.No.	Parameter	unit	Acceptable Limit	Permissible Limit in absence of Alternate Source	Test Method	Anand badi	Narayan badi	Store Building	Dutta Yard	CPP	Mines
						Test result					
1	pH at 25 C	pH Unit	6.5-8.5	No Relaxation	IS:3025(Part-11)	6.9	7.1	6.67	7.08	7.05	7.1
2	Electrical Conductivity	uS/cm	Not Specified		IS:3025(Part-14)	460	315	449	345	642	297
3	Turbidity	NTU	1	5	IS:3025(Part-10)	0.5	<0.5	0.6	<0.5	0.7	<0.5
4	Color	Pt. Co.Scale	5	15	APHA 24th Edition,2120C	<5	<5	<5	<5	<5	<5
5	Odour	—	Agreeable	Agreeable	IS:3025(Part-5)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
6	Taste	—	Agreeable	Agreeable	IS:3025(Part- 7&8)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
7	Total Dissolved Solids (TDS)	mg/L	500	2000	IS:3025(Part-16)	285	197	279	215	397	183
8	Total Alkalinity as CaCO ₃	mg/L	200	600	IS:3025(Part-23)	155	115	185	130	200	105
9	Total Hardness as CaCO ₃	mg/L	200	600	IS:3025(Part-21)	295	105	78	69	355	115
10	Calcium	mg/L	75	200	IS:3025(Part-40)	74.14	25.23	24.87	21.38	92.18	28.56
11	Magnesium	mg/L	30	100	IS:3025(Part-46)	26.73	12.13	10.36	9.56	30.37	11.25
12	Chloride	mg/L	250	1000	IS:3025(Part-32)	34.24	28.56	32.48	40.02	90.5	25.58
13	Sulphate	mg/L	200	400	APHA 24th Edition,4500 SO4-2E	16.7	14.9	17.5	18.4	23.7	11.7
14	Fluoride	mg/L	1	1.5	APHA 24th Edition,4500 F-D	0.12	0.11	0.13	0.15	0.19	0.15
15	Nitrate	mg/L	45	No Relaxation	IS:3025(P-34 /Sec.-1)	1.13	0.57	1.19	0.62	2.33	0.61
16	Iron	mg/L	0.3	No Relaxation	IS:3025(Part-53)	0.13	0.11	0.17	0.09	0.21	0.13
17	Manganese	mg/L	0.1	0.03	IS:3025(Part-59)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
18	Zinc	mg/L	5	15	IS:3025(Part-49)	0.11	<0.05	0.13	<0.05	0.18	0.12
19	Copper	mg/L	0.05	1.5	APHA 24th Edition,3500-Cu B	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
20	Aluminium	mg/L	0.03	0.2	IS:3025(Part-55)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	Boron	mg/L	<0.5	1	APHA 24th Edition,4500-B-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	Cadmium	mg/L	0.003	No Relaxation	APHA 24th Edition,3111 B	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
23	Arsenic	mg/L	0.01	0.05	APHA 24th Edition,3114 C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
24	Lead	mg/L	0.01	No Relaxation	APHA 24th Edition,3111 B	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
25	Chromium	mg/L	0.05	No Relaxation	IS:3025(Part-52)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
26	Selenium	mg/L	0.01	No Relaxation	IS:3025(Part-56)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
27	Mercury	mg/L	0.001	No Relaxation	APHA 24th Edition,3500- Hg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
28	Total Coliform	MPN/100ML	Shall not be detectable in any 100 ml of		APHA 24th Edit,9221 D	Absent	Absent	Absent	Absent	Absent	Absent
29	Escherichia coil	MPN/100ML	Shall not be detectable in any 100 ml of		APHA 24th Edit,9221 D,F	Absent	Absent	Absent	Absent	Absent	Absent
30	Biochemical Oxygen Demand (BOD)	MPN/100ML	Not Specified		IS:3025(Part-44)	<5	<5	<5	<5	<5	<5
31	Chemical Oxygen Demand (COD)	MPN/100ML	Not Specified		APHA 24th Edition,5220 B	<5	<5	<5	<5	<5	<5

JK Lakshami Cement Ltd. Durg											
Malpuri Khurd Ahiwara Durg CG											
Sample Description : Ground Water Buffer Zone					Sampling Date : 22/05/2025						
Analysis Start Date : 24/05/2025					Analysis Completion Date : 09/06/2025						
Sample Quantity : 2L+2L+1L					Sampling Location of Villages Ground Water (Hand Pump)						
Sampling Method : IS3025 (Part - 1)											
Sr.No.	Parameter	unit	Acceptable Limit	Permissible Limit in absence of Alternate Source	Test Method	Hardi	Nandini	Semaria	Ghirkudia	Malpuri	Khasadih
						Test result					
1	pH at 25 C	pH Unit	6.5-8.5	No Relaxation	IS:3025(Part-11)	7.51	7.22	7.39	7.64	7.83	7.53
2	Electrical Conductivity	uS/cm	Not Specified		IS:3025(Part-14)	371	293	415	313	327	809
3	Turbidity	NTU	1	5	IS:3025(Part-10)	<0.5	<0.5	<0.5	0.8	<0.5	<0.5
4	Color	Pt. Co.Scale	5	15	APHA 24th Edition,2120C	<5	<5	<5	<5	<5	<5
5	Odour	—	Agreeable	Agreeable	IS:3025(Part-5)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
6	Taste	—	Agreeable	Agreeable	IS:3025(Part- 7&8)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
7	Total Dissolved Solids (TDS)	mg/L	500	2000	IS:3025(Part-16)	228	180.1	256	197	201	601
8	Total Alkalinity as CaCO3	mg/L	200	600	IS:3025(Part-23)	120	105	195	140	115	270
9	Total Hardness as CaCO3	mg/L	200	600	IS:3025(Part-21)	135	85	220	110	125	410
10	Calcium	mg/L	75	200	IS:3025(Part-40)	45.23	34.58	64.12	41.26	39.48	72.14
11	Magnesium	mg/L	30	100	IS:3025(Part-46)	21.44	11.12	14.58	13.78	18.68	55.89
12	Chloride	mg/L	250	1000	IS:3025(Part-32)	31.35	26.45	22.01	30.47	30.55	139.42
13	Sulphate	mg/L	200	400	APHA 24th Edition,4500 SO4-2E	8.44	10.23	9.45	12.45	15.62	51.9
14	Fluoride	mg/L	1	1.5	APHA 24th Edition,4500 F-D	0.12	0.11	0.113	0.15	0.13	0.09
15	Nitrate	mg/L	45	No Relaxation	IS:3025(P-34 /Sec.-1)	4.49	0.32	0.62	1.34	0.05	1.43
16	Iron	mg/L	0.3	No Relaxation	IS:3025(Part-53)	0.05	0.09	0.08	0.13	0.08	0.09
17	Manganese	mg/L	0.1	0.03	IS:3025(Part-59)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
18	Zinc	mg/L	5	15	IS:3025(Part-49)	0.13	0.11	0.121	0.23	0.09	1.27
19	Copper	mg/L	0.05	1.5	APHA 24th Edition,3500-Cu B	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
20	Aluminium	mg/L	0.03	0.2	IS:3025(Part-55)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	Boron	mg/L	<0.5	1	APHA 24th Edition,4500-B-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	Cadmium	mg/L	0.003	No Relaxation	APHA 24th Edition,3111 B	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
23	Arsenic	mg/L	0.01	0.05	APHA 24th Edition,3114 C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
24	Lead	mg/L	0.01	No Relaxation	APHA 24th Edition,3111 B	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
25	Chromium	mg/L	0.05	No Relaxation	IS:3025(Part-52)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
26	Selenium	mg/L	0.01	No Relaxation	IS:3025(Part-56)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
27	Mercury	mg/L	0.001	No Relaxation	APHA 24th Edition,3500- Hg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
28	Total Coliform	MPN/100ML	Shall not be detectable in any 100 ml of		APHA 24th Edit,9221 D	Absent	Absent	Absent	Absent	Absent	Absent
29	Escherichia coil	MPN/100ML	Shall not be detectable in any 100 ml of		APHA 24th Edit,9221 D,F	Absent	Absent	Absent	Absent	Absent	Absent
30	biochemical Oxygen Demand (BOD)	MPN/100ML	Not Specified		IS:3025(Part-44)	<5	<5	<5	<5	<5	<5
31	Chemical Oxygen Demand (COD)	MPN/100ML	Not Specified		APHA 24th Edition,5220 B	<5	<5	<5	<5	<5	<5

JK Lakshami Cement Ltd. Durg

Malpuri Khurd Ahiwara Durg CG

Water analysis Report April to Sep.- 2025

STP WATER QUALITY REPORT

Sr. No.	Parameter	Unit	Standards as EPA-1986 (Schedule)	Values					
				Apr25	May25	Jun25	Jul25	Aug25	Sep25
1	pH	PH unit	5.5-9.0	7.82	8.41	7.16	7.9	8.05	7.92
2	TSS	mg/l	100	26	18.7	32	35.6	32.4	30
3	TDS	mg/l	-	462	255	492	415	477	423
4	COD	mg/l	250	24	16.4	36	55.6	38.4	33.7
5	BOD	mg/l	-	14	12.9	12.5	15.7	17.2	14.9
6	Oil & Grease	mg/l	-	BDL	BDL	BDL	<5.0	<5.0	<5.0
7	DO		-	6.1	3.1	5.83	6.12	5.1	5.26

Captive Power plant Effluent WATER QUALITY REPORT

Sr. No.	Parameter	Unit	Standards as EPA-1986 (Schedule)	Values					
				Apr25	May25	Jun25	Jul25	Aug25	Sep25
1	pH	PH unit	5.5-9.0	7.94	7.42	7.29	7.8	7.9	7.34
2	TSS	mg/l	<100	16	21.9	21	18	37.4	36
3	TDS	mg/l	<2100	314	512	422	397	987	782
4	COD	mg/l	<250	16	38.9	20	27.8	33.5	28
5	BOD	mg/l	<30	3.8	8.4	2.4	3.5	9.1	7.4
6	Oil & Grease	mg/l	<10	BDL	1	BDL	<5.0	<5.0	<5.0

WHR Recycled WATER QUALITY REPORT

Sr. No.	Parameter	Unit	Standards as EPA-1986 (Schedule)	Values					
				Apr25	May25	Jun25	Jul25	Aug25	Sep25
1	pH	PH unit	5.5-9.0	7.72	7.61	7.63	7.7	7.85	7.69
2	TSS	mg/l	<100	14	12.7	16	12	34.5	28
3	TDS	mg/l	<2100	270	259	358	372	201	316
4	COD	mg/l	<250	18.4	15.4	15.2	35.4	42.1	36.5
5	BOD	mg/l	<30	4.6	5	2	3.2	5.5	3.2

JK Lakshmi Cement Ltd. Durg						
Malpuri Khurd Ahiwara Durg CG						
Sample Description : Mines Pit Water -1			Sample Packing : Packing And Sealed			
Sampling Location : Mines Pit			Analysis Start Date : 26/04/2025			
Sampling Date : 26/04/2025			Analysis Completion Date : 02/05/2025			
Sample Quantity : 2L+2L+1L			Sampling Method : IS3025 (Part - 1)			
Sr.No.	Parameter	unit	Test Result	Acceptable Limit	Permissible Limit in absence of Alternate Source	Test Method
1	Color	Pt. Co.Scale	<2	5	15	APHA 24th Edition,2120C
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5)
3	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part- 7&8)
4	Turbidity	NTU	1.5	1	5	IS:3025(Part-10)
5	Total Dissolved Soil (TDS)	mg/L	740	500	2000	IS:3025(Part-16)
6	pH at 25 C	pH Unit	7.81	6.5-8.5	No Relaxation	IS:3025(Part-11)
7	Dissolved Oxygen (DO)	mg/L	6	Not Specified		IS:3025(Part-38)
8	biochemical Oxygen Demand (BO)	mg/L	6.8	Not Specified		IS:3025(Part-44)
9	Chemical Oxygen Demand (COD)	mg/L	30.7	Not Specified		APHA 24th Edition,5220 B
10	Conductivity	uS/cm	1174	Not Specified		IS:3025(Part-14)
11	Total Alkalinity as CaCO3	mg/L	230	200	600	IS:3025(Part-23)
12	Total Hardness as CaCO3	mg/L	318	200	600	IS:3025(Part-21)
13	Calcium	mg/L	82.1	75	200	IS:3025(Part-40)
14	Magnesium	mg/L	27.4	30	100	IS:3025(Part-46)
15	Chloride	mg/L	40.1	250	1000	IS:3025(Part-32)
16	Sulphate	mg/L	28.2	200	400	APHA 24th Edition,4500 SO4-2E
17	Fluoride	mg/L	0.91	1	1.5	APHA 24th Edition,4500 F-D
18	Nitrate	mg/L	7.4	45	No Relaxation	IS:3025(P-34 /Sec.-1)
19	Iron	mg/L	0.12	0.3	No Relaxation	IS:3025(Part-53)
20	Manganese	mg/L	<0.05	0.1	0.03	IS:3025(Part-59)
21	Zinc	mg/L	0.11	5	15	IS:3025(Part-49)
22	Copper	mg/L	<0.025	0.05	1.5	APHA 24th Edition,3500-Cu B
23	Aluminium	mg/L	<0.01	0.03	0.2	IS:3025(Part-55)
24	Boron	mg/L	<0.1	<0.5	1	APHA 24th Edition,4500-B-B
25	Cadmium	mg/L	<0.001	0.003	No Relaxation	APHA 24th Edition,3111 B
26	Arsenic	mg/L	<0.002	0.01	0.05	APHA 24th Edition,3114 C
27	Lead	mg/L	<0.0075	0.01	No Relaxation	APHA 24th Edition,3111 B
28	Chromium	mg/L	<0.025	0.05	No Relaxation	IS:3025(Part-52)
29	Selenium	mg/L	<0.005	0.01	No Relaxation	IS:3025(Part-56)
30	Mercury	mg/L	<0.0005	0.001	No Relaxation	APHA 24th Edition,3500- Hg
31	Total Coliform	MPN/100 ML	94	Shall not be detectable in any 100 ml of Sample		APHA 24th Edit,9221 D
32	Escherichia coil	MPN/100 ML	58	Shall not be detectable in any 100 ml of Sample		APHA 24th Edit,9221 D,F

JK Lakshami Cement Ltd. Durg						
Malpuri Khurd Ahiwara Durg CG						
Sample Description : Mines Pit Water -2			Sample Packing : Packing And Sealed			
Sampling Location : Mines Pit			Analysis Start Date : 26/04/2025			
Sampling Date : 26/04/2025			Analysis Completion Date : 02/05/2025			
Sample Quantity : 2L+2L+1L			Sampling Method : IS3025 (Part - 1)			
Sr.No.	Parameter	unit	Test Result	Acceptable Limit	Permissible Limit in absence of Alternate Source	Test Method
1	Color	Pt. Co.Scale	<2	5	15	APHA 24th Edition,2120C
2	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5)
3	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part- 7&8)
4	Turbidity	NTU	0.7	1	5	IS:3025(Part-10)
5	Total Dissolved Soil (TDS)	mg/L	672	500	2000	IS:3025(Part-16)
6	pH at 25 C	pH Unit	7.61	6.5-8.5	No Relaxation	IS:3025(Part-11)
7	Dissolved Oxygen (DO)	mg/L	6.5	Not Specified		IS:3025(Part-38)
8	Chemical Oxygen Demand (BO)	mg/L	5	Not Specified		IS:3025(Part-44)
9	Chemical Oxygen Demand (COD)	mg/L	23.3	Not Specified		APHA 24th Edition,5220 B
10	Conductivity	uS/cm	1085	Not Specified		IS:3025(Part-14)
11	Total Alkalinity as CaCO3	mg/L	209	200	600	IS:3025(Part-23)
12	Total Hardness as CaCO3	mg/L	284	200	600	IS:3025(Part-21)
13	Calcium	mg/L	72.1	75	200	IS:3025(Part-40)
14	Magnesium	mg/L	25.3	30	100	IS:3025(Part-46)
15	Chloride	mg/L	28.9	250	1000	IS:3025(Part-32)
16	Sulphate	mg/L	20.7	200	400	APHA 24th Edition,4500 SO4-2E
17	Fluoride	mg/L	0.58	1	1.5	APHA 24th Edition,4500 F-D
18	Nitrate	mg/L	3.8	45	No Relaxation	IS:3025(P-34 /Sec.-1)
19	Iron	mg/L	0.063	0.3	No Relaxation	IS:3025(Part-53)
20	Manganese	mg/L	<0.05	0.1	0.03	IS:3025(Part-59)
21	Zinc	mg/L	0.06	5	15	IS:3025(Part-49)
22	Copper	mg/L	<0.025	0.05	1.5	APHA 24th Edition,3500-Cu B
23	Aluminium	mg/L	<0.01	0.03	0.2	IS:3025(Part-55)
24	Boron	mg/L	<0.1	<0.5	1	APHA 24th Edition,4500-B-B
25	Cadmium	mg/L	<0.001	0.003	No Relaxation	APHA 24th Edition,3111 B
26	Arsenic	mg/L	<0.002	0.01	0.05	APHA 24th Edition,3114 C
27	Lead	mg/L	<0.0075	0.01	No Relaxation	APHA 24th Edition,3111 B
28	Chromium	mg/L	<0.025	0.05	No Relaxation	IS:3025(Part-52)
29	Selenium	mg/L	<0.005	0.01	No Relaxation	IS:3025(Part-56)
30	Mercury	mg/L	<0.0005	0.001	No Relaxation	APHA 24th Edition,3500- Hg
31	Total Coliform	MPN/100ML	63	Shall not be detectable in any 100 ml of Sample		APHA 24th Edit,9221 D
32	Escherichia coil	MPN/100ML	27	Shall not be detectable in any 100 ml of Sample		APHA 24th Edit,9221 D,F

JK Lakshami Cement Ltd. Durg Malpuri Khurd Ahiwara Durg CG				
Sample Description : Surface Water		Sample Packing : Packing And Sealed		
Sampling Location : Shivnth River Intake		Analysis Start Date : 11/08/2025		
Sampling Date : 11/08/2025		Analysis Completion Date : 22/08/2025		
Sample Quantity : 2L+2L+1L		Sampling Method : IS3025 (Part - 1)		
Sr.No.	Parameter	unit	Test Result	Test Method
1	pH	pH Unit	7.56	IS:3025(Part-11)
2	Electrical Conductivity	uS/cm	389	IS:3025(Part-14)
3	Turbidity	NTU	0.8	IS:3025(Part-10)
4	Color	Pt. Co.Scale	<5	APHA 24th Edition,2120C
5	Total Dissolved Soil (TDS)	mg/L	237	IS:3025(Part-16)
6	Total Alkalinity	mg/L	150	IS:3025(Part-23)
7	Total Hardness	mg/L	138	IS:3025(Part-21)
8	Cadmium	mg/L	35.6	IS:3025(Part-40)
9	Magnesium	mg/L	11.9	IS:3025(Part-46)
10	Chloride	mg/L	41.1	IS:3025(Part-32)
11	Sulphate	mg/L	7.12	APHA 24th Edition,4500 SO4-2E
12	Fluoride	mg/L	<0.05	APHA 24th Edition,4500 F-D
13	Nitrate	mg/L	0.85	IS:3025(P-34 /Sec.-1)
14	Iron	mg/L	0.12	IS:3025(Part-53)
15	Manganese	mg/L	<0.05	IS:3025(Part-59)
16	Zinc	mg/L	0.15	IS:3025(Part-49)
17	Copper	mg/L	<0.025	APHA 24th Edition,3500-Cu B

18	Aluminium	mg/L	<0.01	IS:3025(Part-55)
19	Boron	mg/L	<0.1	APHA 24th Edition,4500-B-B
20	Cadmium	mg/L	<0.001	APHA 24th Edition,3111 B
21	Arsenic	mg/L	<0.002	APHA 24th Edition,3114 C
22	Lead	mg/L	<0.0075	APHA 24th Edition,3111 B
23	Chromium	mg/L	<0.025	IS:3025(Part-52)
24	Selenium	mg/L	<0.005	IS:3025(Part-56)
25	Mercury	mg/L	<0.0005	APHA 24th Edition,3500- Hg
26	Total Coliform	MPN/100 ML	4	APHA 24th Edit,9221 D
27	Escherichia coil	MPN/100 ML	2	APHA 24th Edit,9221 D,F
28	Chemical Oxygen Demand (BOD)	mg/L	5.3	IS:3025(Part-44)
29	Chemical Oxygen Demand (COD)	mg/L	7.5	APHA 24th Edition,5220 B

Soil Analysis report Plant and near by vill

JK Lakshami Cement Ltd. Durg Malpuri Khurd Ahiwara Durg CG											
Sample Description : Soil				Sample Receipt Date :26/05/2025							
Sampling Date : 23/05/2025		Analysis Completion Dat : 30/05/2025		Analysis Completion Dat : 30/05/2025							
Analysis Start Date : 26/05/2025		Sampling Collected By : ETPL Representative									
Sample Quantity : 1Kg/1No.					Sampling Location of Villages						
Sr.No.	Parameter	unit	Test Method	Khasadih	Nandini	Pitoura	Semaria	Hardi	Ghirkudia	Girhola	Malpuri
				Test result							
1	pH at 25 °C	-	IS:2720(PART26)	7.08	7.39	9.98	7.05	6.98	7.18	7.12	7.43
2	Electrical Conductivity at 25°C	mS/cm	SOP No.:SOP/SOIL/02	1.123	1.089	1.236	1.189	1.076	1.156	1.042	1.039
3	Organic Carbon	%	SOP No.:SOP/SOIL/25	0.65	0.52	0.89	0.78	0.35	0.65	0.96	0.82
4	Moisture	%	IS:2720(PART-18)1992	35.6	65.1	45.3	55.3	45.1	40.2	35.4	27.6
5	Copper	mg/kg	SOP No.:SOP/SOIL/36	2.89	3.89	5.63	4.65	3.12	1.56	1.45	1.04
6	Cadmium	mg/kg	SOP No.:SOP/SOIL/37	0.15	0.19	0.19	0.11	0.19	0.16	0.32	0.27
7	Cobalt	mg/kg	SOP No.:SOP/SOIL/38	0.25	0.31	0.28	0.11	0.15	0.19	0.14	0.19
8	Nickel	mg/kg	SOP No.:SOP/SOIL/39	0.98	0.75	0.61	0.89	0.78	0.65	0.95	0.56
9	Chromium	mg/kg	SOP No.:SOP/SOIL/69	0.21	0.19	0.24	0.13	0.1	0.15	0.11	0.12
10	Lead	mg/kg	SOP No.:SOP/SOIL/41	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
11	Mercury	mg/kg	SOP No.:SOP/SOIL/42	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12	Arsenic	mg/kg	SOP No.:SOP/SOIL/43	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13	Petroleum Hydrocarbon	mg/kg	USEPA METHOD 9074	ND	ND	ND	ND	ND	ND	ND	ND

JK LAKSHMI CEMENT LTD Malpuri Khurd, Khasadih Weather Monitoring Report For the Month of April to September 2025 (Based on Hourly Readings from 12 Midnight to 12 Midnight)															
Month	Ambient Temp. (°C)			R. Humidity %			Solar Radiation (wat/m²)			Wind Speed (m/s)			Wind Dir (Deg)	Bar. Pressure (IN-Hg)	Rainfall in (mm)
	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.			
Apr25	21.04	43.13	31.855	23.84	33.77	28.31	3	650.3	169.9	0.01	4.6	1.09	SSE	1012.06	29
May25	19.2	40.5	31.0	23.0	32.4	27.8	5.4	701.9	164.8	0.01	6.98	1.0	SSE	1011.6	67.0
Jun25	23.0	41.3	30.2	24.4	31.8	27.3	1.6	734.6	139.9	0.01	4.52	0.9	NW	1010.9	76.0
July25	22.68	33.61	26.98	24.13	29.52	26.4	8.2	679.3	101.5	0.01	2.57	3.67	NW	1009.7	739
Aug25	24.3	36.6	29.3	49.4	99.8	79.7	11.6	750.3	138.4	0.03	9.09	1.9	SW	1027.9	224.5
Sep25	24.7	35.5	29.1	46.0	102.2	79.5	10.2	698.1	133.2	0.03	6.69	1.2	SE	1027.7	158.5

Annexure - 34

Corporate Environment Responsibility

- An amount of around Rs. 15.50 Lakh have already towards expenditure for carrying out up- gradation / optimization activities.
- As per MOEF&CC Circular N0. 22-65/2017-IA-III dated 01.05.2018, we make an expenditure of 1% of additional capital investment, in area around our project under Corporate Environment Responsibility (CER).

Sl. No	Activities under CER	Amount in currend Rs. (In Lacs)	Exp. (In Lacs)	Activities Details in villages
1	Plantation in Community Area / Avenue Plantation	5.0	5.5	Plantation work at Nandani Khundani, Pitaura, Girhola, Khasadih
2	Establishment of Library to improve the quality of Educational	5.0	5.77	Establishment and Renovation of Community library at Nandini Khundani
3	Rainwater harvesting systems	2.0	2.2	Unit Establishment and Awareness program of Rain Water harvesting systems at Khasadih, Pitaura & Semaria
4	Hygiene & Rural Sanitation	2.0	2.1	Under Sanitation Program JKLC has deputed 03 Number of Garbage Tippler to collect garbage from door step at Khasadih. To control the mosquito growth and to control the malaria in nearby villages regular fogging work at Khasadih villages once in a month.
5	Establishment of Skill Development Centre	2.0	2.05	Establishment & Renovation of skill development center at Girhola
	TOTAL	16.0	17.62	

Air Pollution Controlling Devices-



Selective Non Catalytic Reduction



Flue Gas Desulphurization installed at Captive Power Plant