JK Cement Works, Prayagraj
(Formerly known as Jaykaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Khasra No. 441,448,450,451, Village: Ledar, Tehsil: Bara,
District: Prayagraj, Uttar Pradesh, Pin Code: 212107
State: Uttar Pradesh

Date: 28.05.2025

To,

The Deputy Director General of Forest (C)
Integrated Regional Office,
Kendriya Bhawan, 5th floor, Sector-H, Aliganj,
Pin Code - 226020, Lucknow (UP), Email- rocz.lko-moef@nic.in

Subject: Half Yearly Environmental Clearance Compliance Report for the period from (October-2024 to March- 2025) of our Proposed Standalone Clinker Grinding Unit with Cement Production Capacity of 2.5 million TPA along with installation of D.G. Sets of capacity 1750 kVA (1250/500/250/125) at village Ledar, Tehsil: Bara, District: Prayagraj (Uttar Pradesh) by JK Cement Limited.

Ref. No. vide file no. IA-J-11011/300/2022-IA-II(IND-I) dated 19.07.2023.

Dear Sir,

Kindly refer to the above subject matter & referred letter, we are submitting herewith the Six- Monthly Compliance Report of stipulated conditions in Environment Clearance to M/s JK Cement Ltd for our proposed Clinker Grinding Unit Cement Capacity of 2.5 million TPA along with installation of D.G. Sets of capacity 1750kVA (1250/500/250/125). As per MoEF &CC Notification vide No. S.O. 584 (E) dated 26.11.2018 regarding to submit the Environment Clearance Compliance Report in Soft Copy only and in compliance to the same, we are hereby submitting the EC Compliance reports through email for your kind reference.

We trust you will find the same in order

Thanking you,
Yours faithfully,
M/s JK Cement Limited

(Sangeet Nema)
Authorized Signatory

Copy to:

1. CEO-2, UP Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand , Gomti Nager, Pin Code- 226010, Lucknow (UP), E.mail- ceo2@uppcb.com.
2. The Regional Officer Prayagraj, UPPCB, Avas Vikas Parishad Colony, Sector-10, Scheme No.- 3, Jhunsi, Prayagraj

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/UP/IND1/411361/2022
Compliance ID	114537007
Compliance Number(For Tracking)	EC/COMPLIANCE/114537007/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	28-05-2025
RO/SRO Name	Shri Ashok Kumar Sinha
RO/SRO Email	tg035@ifs.nic.in
State	UTTAR PRADESH
RO/SRO Office Address	Integrated Regional Offices Lucknow
Note:- SMS and E-Mail has been sent to Shri Ashok Kumar Sinha, UTTAR PRADESH with Notification to Project Proponent.	

Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Proposed Standalone Clinker Grinding Unit with Cement Production Capacity of 2.5 Million TPA along with installation of D.G. Sets of capacity 1750 kVA (1250 / 500 / 250 / 125) at Village: Ledar, Tehsil: Bara, District: Prayagraj (Uttar Pradesh) by M/s. Jaykaycem (Central) Ltd.
Name of Entity / Corporate Office	J K CEMENT LIMITED
Village(s)	LEDAR
District	PRAYAGRAJ

Proposal No.	IA/UP/IND1/411361/2022
Plot / Survey / Khasra No.	441, 448/1,2,3, 411, 412, 413, 449, 408, 409, 410, 446, 447, 450, 451, 453, 381, 381 Kha, 382, 384, 455, 390/1, 385/2/2, 385K, 405, 406, 390/3 & 390/2/2
State	UTTAR PRADESH
MoEF File No.	IA-J-11011/300/2022-IA-II(IND-I)

Category	Industrial Projects - 1
Sub-District	Bara
Entity's PAN	*****0355R
Entity name as per PAN	J K CEMENT LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	EC Compliance Report of M/S JK Cement Ltd (JK Cement works-Prayagraj) for the period of Oct-2024 to March-2025.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office J K CEMENT LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	19.88	19.88
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	19.88	19.88

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cement	Million Tons per Annum (MTPA)	31/12/2028	2.5	1.09	2.5

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF and CC in this regard.

PPs Submission: Being Complied For plant operation, Power is imported through grid. Carbon sequestration resource is available like Green belt plantation.	Date: 27/05/2025

2	MISCELLANEOUS	The PP shall obtain complete acquisition of the proposed land and convert for the industrial purpose as per State Government Rules/Guidelines prior to commencement of project.

PPs Submission: Complied Noted and complied with.	Date: 27/05/2025

3	GREENBELT	"Three tier Green Belt shall be developed in at least 33 percent of the project area in a time period of 1 year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees and broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution and noise levels towards Villages. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEFandCC."

PPs Submission: Being Complied Approx. 16500 plants area planted till now. Green belt has been developed in an area equal to 33 percent of total plant area with covering of entire periphery of the plant area as per guidelines. Photograph of the same are attached as Annexure 1.	Date: 27/05/2025

4	WATER QUALITY MONITORING AND PRESERVATION	The water requirement of 200 m3/day shall be obtained from ground water after obtaining necessary permission from the Competent Authority. PP shall also explore the possibility of shifting to alternate source of water to reduce its dependency from groundwater.

PPs Submission: Being Complied Ground water withdrawal NOC has been obtained from UPGWA for 200 KLD water withdrawal.	Date:

	The validity of the NOC is up to 03/11/2027. Unit is utilizing treated water from STP for plantation and dust suppression on road to reduce its dependency on ground water. "	27/05/2025
5	GREENBELT	PP shall adopt three Villages namely viz. Village Gadha, Village Ledar and Village Abhaipur as committed and undertake village adoption programme, prepare and implement the action plan to develop them into model villages.
	PPs Submission: Being Complied Many initiatives are in progress such as renovation of school buildings, installation of handpumps, installation of solar electric lights.	Date: 27/05/2025
6	MISCELLANEOUS	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
	PPs Submission: Being Complied All the recommendations made in the EIA/EMP are being complied.	Date: 27/05/2025
7	MISCELLANEOUS	There are about 64 villages within 10 km radius study area of the project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
	PPs Submission: Being Complied Approx. 16500 No's of plantation done, within the boundaries of the plant.	Date: 27/05/2025
8	GREENBELT	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry OM dated 30.09.2020 amounting to Rs. 5.71 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEFandCC.
	PPs Submission: Being Complied All the commitments made towards socio-economic development of the nearby villages are being implemented. Photograph of Plaster, painting work at schools and other development activities are attached as Annexure - 2.	Date: 27/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
	PPs Submission: Being Complied Covered transportation and internal conveying of raw material with the help of	Date: 27/05/2025

covered conveyor belts is ensured to prevent spillage and dust generation. Photographs of the same are attached as Annexure - 5.		
2	AIR QUALITY MONITORING AND PRESERVATION	The emission norms applicable for the cement plant shall be adhered to.
PPs Submission: Being Complied Noted and complied with.		Date: 27/05/2025
3	Statutory compliance	This Environmental clearance is granted subject to final outcome of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, if any, as may be applicable to this project.
PPs Submission: Being Complied Noted and agreed.		Date: 27/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Being Complied Fugitive emissions are being monitored every month by NABL accredited lab. Report of the same is attached as Annexure - 3.		Date: 27/05/2025
5	AIR QUALITY MONITORING AND PRESERVATION	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
PPs Submission: Complied Sampling facility at process stack has been provided.		Date: 27/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
PPs Submission: Being Complied Appropriate APCDs i.e. Bag house is provided at Cement mill stack. Besides this bag filters are provided at various transfer junctions, raw materials and end products are stored in covered storage and silos, covered transportation of raw material is being ensured to mitigate fugitive emissions.		Date: 27/05/2025
7	Statutory compliance	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time.

		It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
PPs Submission: Being Complied Noted and agreed.		Date: 27/05/2025
8	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
PPs Submission: Being Complied Leakage detection and mechanized bag cleaning facilities are being provided at the unit.		Date: 27/05/2025
9	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
PPs Submission: Being Complied 2 number of mechanical sweeping machine are deployed to clean plant roads, shop floors, on regular basis. Photograph of the same are attached as Annexure - 4		Date: 27/05/2025
10	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Being Complied CEMS has been installed at cement mill process stack for 24x7 continuous emission monitoring and CAAQMS has been installed for monitoring of ambient air quality. Both the system are being connected with SPCB and CPCB server.		Date: 27/05/2025
11	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.

PPs Submission: Being Complied Agreed and noted.		Date: 27/05/2025
12	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
PPs Submission: Being Complied Appropriate APC arrangement has been provided such as bag house and Bag filters for stack and all transfer junctions respectively. Covered conveying of raw materials is being ensured. Besides this only the vehicles with Valid PUC are allowed in the premises. Photograph attached as Annexure - 7.		Date: 27/05/2025
13	AIR QUALITY MONITORING AND PRESERVATION	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
PPs Submission: Being Complied The particulate matter emissions from the process stacks is maintained less than 30 mg/Nm3. Besides this CEMS has been installed to monitor the emissions. Photograph of the same is attached as Annexure - 8.		Date: 27/05/2025
14	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120 degree each), covering upwind and downwind directions.
PPs Submission: Complied The industry has installed CAAQMS for monitoring of Ambient Air Quality.		Date: 27/05/2025
15	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses,

		Oil Cellars.
PPs Submission: Being Complied Ventilation system has been designed for adequate air changes as per norms.		Date: 27/05/2025
16	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
PPs Submission: Being Complied Raw material is being stored in raw material storage shed to prevent dust emissions. Photograph of the same is enclosed as Annexure - 6.		Date: 27/05/2025
17	AIR QUALITY MONITORING AND PRESERVATION	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points). b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
PPs Submission: Being Complied Covered vehicle are being used for transportation of raw material. Also mechanical sweeping machine are deployed for sweeping of plant areas.		Date: 27/05/2025
18	AIR QUALITY MONITORING AND PRESERVATION	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
PPs Submission: Complied Not applicable as it is a Clinker Grinding Unit.		Date: 27/05/2025
19	AIR QUALITY MONITORING AND PRESERVATION	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
PPs Submission: Being Complied Bag filters are being cleaned regularly, and efficiency of bag filter system is being monitored at regular intervals.		Date: 27/05/2025
20	AIR QUALITY MONITORING AND PRESERVATION	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
PPs Submission: Being Complied Mechanical sweeping machines are deployed for sweeping of roads and dust collection.		Date: 27/05/2025
21	AIR QUALITY MONITORING AND PRESERVATION	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.

PPs Submission: Complied Not applicable as it is a Clinker Grinding Unit.		Date: 27/05/2025
22	AIR QUALITY MONITORING AND PRESERVATION	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
PPs Submission: Complied Not applicable as it is a Clinker Grinding Unit.		Date: 27/05/2025
23	AIR QUALITY MONITORING AND PRESERVATION	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.
PPs Submission: Complied Not applicable as it is a Clinker Grinding Unit.		Date: 27/05/2025
24	AIR QUALITY MONITORING AND PRESERVATION	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
PPs Submission: Complied Not applicable as it is a Clinker Grinding Unit.		Date: 27/05/2025
25	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
PPs Submission: Being Complied CREP guidelines are being implemented in plant.		Date: 27/05/2025
26	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor regularly ground water quality at least twice a year (preand post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
PPs Submission: Being Complied Ground water quality monitoring is being done on regular basis.		Date: 27/05/2025
27	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized

		under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Being Complied As cement production is based on dry technology, hence no effluent is generated due to plant operation.		Date: 27/05/2025
28	WATER QUALITY MONITORING AND PRESERVATION	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
PPs Submission: Being Complied Noted and agreed.		Date: 27/05/2025
29	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the plants.
PPs Submission: Being Complied Water meters are provided at the inlet to the process in the plant. Photograph of the same is enclosed as Annexure - 10.		Date: 27/05/2025
30	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
PPs Submission: Being Complied Garland drains are provided to arrest the run-off in the event of heavy rains. Photograph of the same is attached as Annexure - 9.		Date: 27/05/2025
31	GREENBELT	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
PPs Submission: Being Complied GHG emissions inventory for the plant is being prepared. Copy of the same can be accessed at link provided below: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.jkcement.com/wp-content/uploads/2024/07/Sustainabilty-Report-2023-24-1.pdf		Date: 27/05/2025
32	ENERGY PRESERVATION MEASURES	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
PPs Submission: Being Complied Complied with. Details of power consumption is provided below: PPC Bulk power (excluding packing plant)- Jan'25- 28.47 Kwh/MT. Feb'25- 27.36 Kwh/MT, March'25 - 27.31 Kwh/MT Cement) OPC43 Bulk power (excluding		Date: 27/05/2025

packing plant)- Jan'25- 37.16 Kwh/MT. Feb'25- 36.56 Kwh/MT, March'25 - 37.43 Kwh/MT Cement) OPC53 Bulk power (excluding packing plant)- Jan'25- 41.27 Kwh/MT. Feb'25- 38.81 Kwh/MT, March'25 - 39.58 Kwh/MT Cement)"		
33	WATER QUALITY MONITORING AND PRESERVATION	Tyre washing facilities shall be provided at the entrance of the plant gates.
PPs Submission: Being Complied 2 number of mechanical sweeping machine are deployed for cleaning plant area.		Date: 27/05/2025
34	WATER QUALITY MONITORING AND PRESERVATION	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
PPs Submission: Being Complied Covered storage shed with impervious floor are provided for storing raw material. These yards are equipped with garland drains.		Date: 27/05/2025
35	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
PPs Submission: Being Complied Sewage generated from domestic use is being treated in STP. This treated water is used for horticulture and dust suppression. Photograph of STP is enclosed as Annexure - 11.		Date: 27/05/2025
36	WATER QUALITY MONITORING AND PRESERVATION	The proposed project shall be designed as ""Zero Liquid Discharge"" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
PPs Submission: Being Complied No effluent is generated from the process as the unit is based on dry manufacturing technology. The domestic sewage generated is being treated in the STP and treated sewage is being used for Greenbelt development		Date: 27/05/2025
37	ENERGY PRESERVATION MEASURES	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
PPs Submission: Being Complied		Date:

Noted.		27/05/2025
38	WASTE MANAGEMENT	100 percent utilization of fly ash shall be ensured.
PPs Submission: Being Complied Fly ash is being sourced from nearby TPPs for utilization in cement.		Date: 27/05/2025
39	Noise Monitoring & Prevention	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
PPs Submission: Being Complied Noise level monitoring is carried as per the prescribed guidelines. The results are well within standard.		Date: 27/05/2025
40	Noise Monitoring & Prevention	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
PPs Submission: Being Complied Noted and complied with.		Date: 27/05/2025
41	ENERGY PRESERVATION MEASURES	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
PPs Submission: Being Complied 50 KW roof top solar power plant has been installed. Photograph is enclosed as Annexure - 12.		Date: 27/05/2025
42	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and residential areas.
PPs Submission: Being Complied LED lights has been installed in plant premises. Photograph enclosed as Annexure - 13.		Date: 27/05/2025
43	WASTE MANAGEMENT	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
PPs Submission: Being Complied Noted.		Date: 27/05/2025
44	ENERGY PRESERVATION MEASURES	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

PPs Submission: Being Complied Maximum utilization of fly ash is being ensured as per BIS standard.		Date: 27/05/2025
45	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.
PPs Submission: Being Complied Noted and will be complied.		Date: 27/05/2025
46	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.
PPs Submission: Being Complied Noted.		Date: 27/05/2025
47	PUBLIC HEARING	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
PPs Submission: Being Complied Not applicable as the Unit is on operation phase.		Date: 27/05/2025
48	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
PPs Submission: Being Complied Occupational health surveillance of the workers will be done on a regular basis. Initial medical examination is done during employment.		Date: 27/05/2025
49	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
PPs Submission: Being Complied E-waste will only be sold to CPCB/SPCB authorized recyclers.		Date: 27/05/2025
50	GREENBELT	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to

		Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
PPs Submission: Being Complied Noted and complied.		Date: 27/05/2025
51	GREENBELT	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
PPs Submission: Being Complied Greenbelt development and paving of the area in the premises has been done to arrest soil erosion and dust pollution from exposed soil surface.		Date: 27/05/2025
52	WASTE MANAGEMENT	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
PPs Submission: Being Complied Noted and complied with.		Date: 27/05/2025
53	PUBLIC HEARING	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
PPs Submission: Being Complied Adequate PPEs are being provided to workman and employees to protect from high temperature work zone. "		Date: 27/05/2025
54	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk

		Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Being Complied Emergency preparedness plan and Disaster Management Plan has been prepared and implemented. Copy of the same is enclosed as Annexure - 14.		Date: 27/05/2025
55	MISCELLANEOUS	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/ violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEFandCC as a part of six-monthly report.
PPs Submission: Being Complied The company has a well laid down environmental policy duly approve by the Board of Directors. Copy of the same is enclosed as Annexure - 15		Date: 27/05/2025
56	MISCELLANEOUS	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEFandCC.
PPs Submission: Being Complied Noted and complied with.		Date: 27/05/2025
57	MISCELLANEOUS	The project proponent shall comply with the provisions contained in this Ministry OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
PPs Submission: Being Complied CER activities are being implemented.		Date: 27/05/2025
58	MISCELLANEOUS	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of

		senior Executive, who will directly to the head of the organization.
PPs Submission: Being Complied At plant and head office level a separate Environmental Cell with qualified personnel has been set up under the control of senior Executive.		Date: 27/05/2025
59	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
PPs Submission: Complied A copy of Environment clearance has ben submitted to the Heads of the local bodies (Panchayats and Municipal Bodies) District Collector, and DFO vide letter No JCL/PROJ/2023/20 dated 26.07.2023		Date: 28/05/2025
60	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
PPs Submission: Being Complied Ambient air quality and stack emission is being monitored regularly. The monitoring result is being displayed at electronic display board at plant main gate. Sample report is attached herewith as Annexure - 16.		Date: 28/05/2025
61	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
PPs Submission: Being Complied Compliance of the stipulated environment clearance conditions, including results of monitored data is being uploaded on J.K. Cement Ltd website. The URL of the same is as follows: https://www.jkcement.com/environmental-compliance/		Date: 28/05/2025
62	MISCELLANEOUS	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
PPs Submission: Being Complied Noted and agreed.		Date: 28/05/2025

63	MISCELLANEOUS	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

PPs Submission: Being Complied Noted and agreed.	Date: 28/05/2025

64	MISCELLANEOUS	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent website permanently.

PPs Submission: Complied Copy of advertisement given on local newspaper on dated 25 July 2023. Photograph of the same is attached as Annexure - 17.	Date: 28/05/2025

65	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFandCC).

PPs Submission: Being Complied Noted and agreed.	Date: 28/05/2025

66	MISCELLANEOUS	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

PPs Submission: Being Complied Noted and agreed.	Date: 28/05/2025

67	MISCELLANEOUS	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of

		involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEFandCC.
PPs Submission: Being Complied Noted.		Date: 28/05/2025
68	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
PPs Submission: Being Complied Noted and agreed.		Date: 28/05/2025
69	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
PPs Submission: Being Complied Noted and agreed.		Date: 28/05/2025
70	MISCELLANEOUS	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
PPs Submission: Being Complied Internal roads are constructed as per IRC guidelines.		Date: 28/05/2025
71	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
PPs Submission: Being Complied Environmental Statement (Form-V) is being submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended.		Date: 28/05/2025

72	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
PPs Submission: Being Complied Noted and being complied.		Date: 28/05/2025
73	MISCELLANEOUS	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
PPs Submission: Being Complied Noted and complied.		Date: 28/05/2025
74	MISCELLANEOUS	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
PPs Submission: Being Complied Six-monthly reports on the status of the compliance of the stipulated environmental conditions is being uploaded on the website of the ministry of Environment, Forest and Climate Change at Parivesh portal on regular basis		Date: 28/05/2025
75	MISCELLANEOUS	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
PPs Submission: Being Complied Noted and agreed.		Date: 28/05/2025

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

Annexure - 1

1. Approx. 16500 plants are planted till now within the boundaries of plant to develop the green belt. Plantation activities continue and more plantation will be done within factory and nearby areas in the rainy season.
   Some photographs are as below.

Annexure 2

As per socio-economic development , Plaster , painting work at schools and other development activities are continuously going on at nearby villages of the plant.

JKC

School front from main gate plaster and paint work

Before

After

JKC

Photographs of the activities for Oct 2024

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

Accredited by
ISO/IEC-17025:2017 (NABL)
TC-14455

TEST REPORT CODE: VGL/FE/25/03/19/001 ULR NO. TC144552500000565F TEST REPORT ISSUE DATE: 24.03.2025

TEST REPORT (FUGITIVE EMISSION)

Name & Address of Customer	:	**M/s. J K CEMENT WORKS, PRAYAGRAJ, (A UNIT OF JK CEMENT LIMITED.) KHASRA No. 441, 448, 450,451, VILLAGE-LEADER, TEHSIL- BARA, BARA KHAS, PRAYAGRAJ, (U.P)-212107**
Sampling Location	:	**NEAR PACKING PLANT**
Duration of Sampling	:	17.03.2025 TO 17.03.2025
Time of Sampling	:	11:20 AM TO 03:20 PM
Sample Done By	:	ASHISH KUMAR
Packing Condition	:	SEALED
Environmental Condition (At Lab)	:	**Temp.(°C)** 26.1 **& RH (%)** 53
Method of Sampling	:	IS:5182
Sample Receiving Date	:	19.03.2025
Sample Processing Date	:	20.03.2025 TO 24.03.2025
Equipment Used	:	HIGH VOLUME SAMPLER

TEST RESULTS

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1	Suspended Particulate Matter (SPM)	IS 5182 (Part-4)	µg/m3	1657.0

Note:
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
Authorised Signatory

Reviewed By
LUCKNOW
Dr. Ashok Kumar
Technical Manager

Authorised Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/FE/25/03/19/002 ULR NO. TC144552500000566F TEST REPORT ISSUE DATE: 24.03.2025

TEST REPORT (FUGITIVE EMISSION)

Name & Address of Customer	:	**M/s. J K CEMENT WORKS, PRAYAGRAJ, (A UNIT OF JK CEMENT LIMITED.) KHASRA No. 441, 448, 450,451, VILLAGE-LEADER, TEHSIL- BARA, BARA KHAS, PRAYAGRAJ, (U.P)-212107**
Sampling Location	:	**NEAR BRU**
Duration of Sampling	:	17.03.2025 TO 17.03.2025
Time of Sampling	:	12:00 PM TO 04:00 PM
Sample Done By	:	ASHISH KUMAR
Packing Condition	:	SEALED
Environmental Condition (At Lab)	:	**Temp.(°C)** 26.1 **& RH (%)** 53
Method of Sampling	:	IS:5182
Sample Receiving Date	:	19.03.2025
Sample Processing Date	:	20.03.2025 TO 24.03.2025
Equipment Used	:	HIGH VOLUME SAMPLER

TEST RESULTS

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1	Suspended Particulate Matter (SPM)	IS 5182 (Part-4)	µg/m3	1723.0

Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Review By:

Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/FE/25/03/19/003 ULR NO. TC144552500000567F TEST REPORT ISSUE DATE: 24.03.2025

TEST REPORT (FUGITIVE EMISSION)

Name & Address of Customer	:	**M/s. J K CEMENT WORKS, PRAYAGRAJ, (A UNIT OF JK CEMENT LIMITED.) KHASRA No. 441, 448, 450,451, VILLAGE-LEADER, TEHSIL- BARA, BARA KHAS, PRAYAGRAJ, (U.P)-212107**
Sampling Location	:	**NEAR CEMENT MILL**
Duration of Sampling	:	18.03.2025 TO 18.03.2025
Time of Sampling	:	11:55 AM TO 03:55 PM
Sample Done By	:	ASHISH KUMAR
Packing Condition	:	SEALED
Environmental Condition (At Lab)	:	**Temp.(°C)** 26.1 **& RH (%)** 53
Method of Sampling	:	IS:5182
Sample Receiving Date	:	19.03.2025
Sample Processing Date	:	20.03.2025 TO 24.03.2025
Equipment Used	:	HIGH VOLUME SAMPLER

TEST RESULTS

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1	Suspended Particulate Matter (SPM)	IS 5182 (Part-4)	µg/m3	1698.0

Note:
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Review By

Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/FE/25/03/19/004 ULR NO. TC144552500000568F TEST REPORT ISSUE DATE: 24.03.2025

TEST REPORT (FUGITIVE EMISSION)

Name & Address of Customer	:	**M/s. J K CEMENT WORKS, PRAYAGRAJ, (A UNIT OF JK CEMENT LIMITED.) KHASRA No. 441, 448, 450,451, VILLAGE-LEADER, TEHSIL- BARA, BARA KHAS, PRAYAGRAJ, (U.P)-212107**
Sampling Location	:	**NEAR HOPPER AREA**
Duration of Sampling	:	18.03.2025 TO 18.03.2025
Time of Sampling	:	12:40 PM TO 04:40 PM
Sample Done By	:	ASHISH KUMAR
Packing Condition	:	SEALED
Environmental Condition (At Lab)	:	**Temp.(°C)** 26.1 **& RH (%)** 53
Method of Sampling	:	IS:5182
Sample Receiving Date	:	19.03.2025
Sample Processing Date	:	20.03.2025 TO 24.03.2025
Equipment Used	:	HIGH VOLUME SAMPLER

TEST RESULTS

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1	Suspended Particulate Matter (SPM)	IS 5182 (Part-4)	µg/m3	1745.0

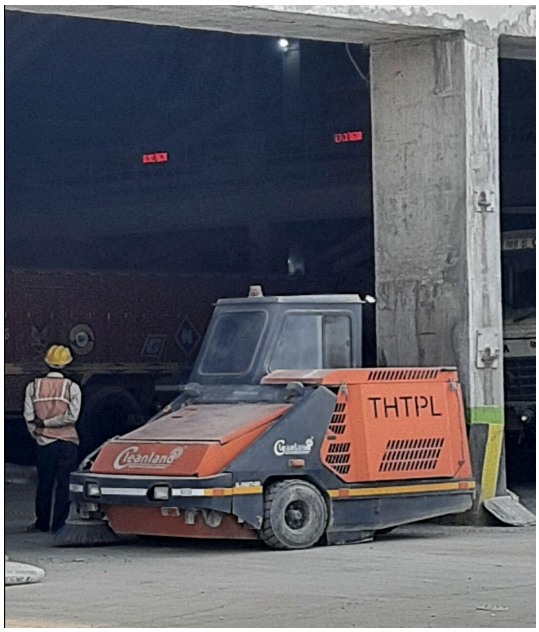
Note:
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.

Review By:
Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
Authorised Signatory
D. K. Yadav
Lab In-charge

Annexure - 4

Vacuum sweeping machine is provided to maintain good housekeeping in plant premises.



Annexure - 5

Raw Material is conveyed through covered conveyor belts.

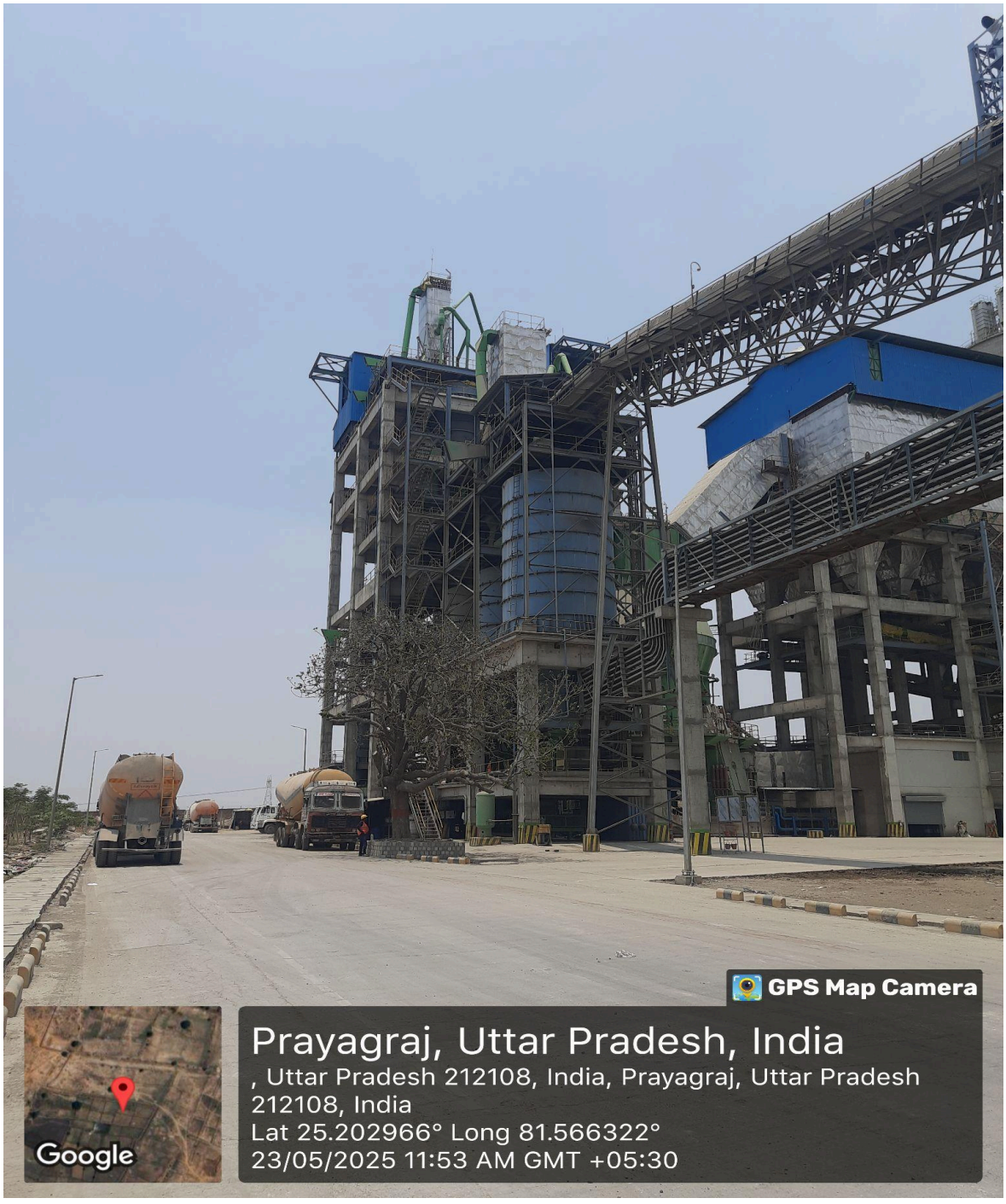
Raw material trucks are covered with tarpauline.

Annexure - 6

Covered raw material Shed

Annexure - 7

Bag house and bag filters at the plant.


GPS Map Camera
Prayagraj, Uttar Pradesh, India
, Uttar Pradesh 212108, India, Prayagraj, Uttar Pradesh 212108, India
Lat 25.202966° Long 81.566322°
23/05/2025 11:53 AM GMT +05:30
Google

Annexure - 8

CEMS
Make: SICK
Location : Bag house Stack

Annexure - 9

Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in

ANNEXTURE-17

Water meters installation at plant for Recirculation water, Fire water, drinking water, process water.


GPS Map Camera
Prayagraj, Uttar Pradesh, India
, Uttar Pradesh 212108, India, Prayagraj, Uttar Pradesh 212108, India
Lat 25.203694° Long 81.565706°
15/05/2025 03:51 PM GMT +05:30
Google


ABB
GPS Map Camera
Prayagraj, Uttar Pradesh, India
, Uttar Pradesh 212108, India, Prayagraj, Uttar Pradesh 212108, India
Lat 25.203694° Long 81.565706°
15/05/2025 03:53 PM GMT +05:30
Google

Annexure - 11

10 KL capacity STP plant installed at plant to treat waste water and reuse for plantation and dust suppression.


ROOTECH
GPS Map Camera
Google
Prayagraj, Uttar Pradesh, India
, Uttar Pradesh 212108, India, Prayagraj, Uttar Pradesh 212108, India
Lat 25.203001° Long 81.566096°
19/04/2025 09:37 AM GMT +05:30


GPS Map Camera
Google
Prayagraj, Uttar Pradesh, India
, Uttar Pradesh 212108, India, Prayagraj, Uttar Pradesh 212108, India
Lat 25.203002° Long 81.565965°
19/04/2025 09:37 AM GMT +05:30

Annexure - 12

Roof top solar plant of 50 KW.

Annexure - 13

LED lights are installed at offices.

ON-SITE EMERGENCY PLAN

REV. 01 (Dt. 08.03.2025)

JK CEMENT WORKS, UNIT: PRAYAGRAJ
(A UNIT OF JK CEMENT LIMITED)

1. Table of Content

2. PREFACE

An "ON-SITE EMERGENCY" may arise on account of dangerous occurrence taking place in the Plant, which could go out of control and threaten the Safety of Personnel, Environment, Plant / Equipment's and their operations. Any such occurrence may develop into a major Emergency with ON Site consequences.

Hence it is absolutely essential that emergency Procedures are planned before hand to clearly specify various line responsibilities at different operation levels so as to act in a systematic manner during Emergency and restore normally within shortest span of time.

With above in view, a set of Guidelines under "ON-SITE EMERGENCY PLAN" has been prepared identifying Emergency areas / Materials along with their preventive and control measures for proper utilization of Internal and External resources.

The Emergency Management Plan aims to focus on the following areas:

- Emergency scope and control Objectives
- Identification of Emergency prone areas / material.
- Emergency Alarm / Communication System and Mechanism.
- Precautionary / Corrective measures for Prevention and Control.
- Organization for Emergency Control.
- Emergency Roles, Duties / Responsibilities of key Personnel.
- Emergency control, Services, Facilities and Utilities.
- Contact Locations / Telephones of key Personnel and Services.

Keeping above in view the Management is fully committed to discharge its activities with deep sense of responsibility and due regards for the wellbeing of Personnel in and around the Plant in term of their Safety, Health and Environment Protection.

SANGEET NEMA

Factory Manager

3. STATUTORY PROVISIONS.

Cement Manufacturing is declared a Hazardous Process under the provisions of Schedule 1 (8) attached to Section 2 (cb) of revised Factory Act, 1987.

As per Section 41 – B (4) of Factory Act, 1948 amended in 1987 with special provisions for Hazardous Processes, it is required that all Hazardous Industries should draw up an "ON – SITE EMERGENCY PLAN".

Every Occupier of the Hazardous Industries shall formulate an "ON – SITE EMERGENCY PLAN" with approval of Chief Inspector of Factories & Boilers, and ensure to take all suitable measures for the Safety of his Employees, as required to be taken in the event of any Emergency taking place.

a. OBJECTIVES

- To overcome any emergency in its initial stage and to handle Disaster in most effective manner.
- To eliminate any chance of loss to Human Life.
- To minimize loss of Property in the Plant and surrounding areas.
- To maintain essential supplies at the time of natural Calamities and / or Public disturbances.

b. SCOPE

- Assessment of the size and nature of events foreseen for causing Emergency and probability of their Occurrence.
- Hazards Identification and control Safety precautions.
- Service Utilities / Facilities and their Locations.
- Organization for Emergency
- Assignment of duties and responsibilities to key Personnel for action on site.

4. ORGANISATION DESCRIPTION

JK Cement Works-Prayagraj (A unit of JK Cement limited) and Head Office is located at the following Places.

Works : **Mr. Sangeet Nema**
Factory Manager,
JK CEMENT WORKS- PRAYAGRAJ
(A UNIT OF JK CEMENT LIMITED)
Village – Ledar, Tehsil- Bara,
Distt. – Prayagraj (Uttar Pradesh)

Head Office : J.K. Cement LTD.
Kamla Tower
Kanpur (U.P.)

4.1 THE PLANT:

J.K. Cement Ltd. installed a cement grinding unit of 2.5 million TPA. at village- Ledar, Tehsil- Bara, District-Prayagraj, UP.

4.2 LAY OUT:

The Layout of Plant is shown as per drawing enclosed.

4.3 EXIT / ENTRY POINTS:

The entry route to the Plant and the Exit Point for coming out from the Plant have been marked in the Drawing.

4.4 APPROACH ROAD:

The Approach to the Plant is through NH35, village Ledar, Tehsil Bara, Prayagraj.

4.5 MAX. WORKERS IN EACH SHIFT:

A Shift	B Shift	C Shift	G. Shift	Total Employees
80	40	60	120	250

TOTAL WORKERS PRESENT IN A DAY: about 250 workers

4.6 Number of Safety Officers:

Number of Safety Officers : One

Name, Designation & Contact :

1. Mr. Vikas Tripathi

Qualification: B.E. , PDIS (RLI, Kanpur), MSW, PGDOM

Asst. Manager (Safety & Env.)

4.7 LOCATION:

The Plant is located at Village -Ledar, Tehsil-Bara, District – Prayagraj, Uttar Pradesh, and is well connected by road link. It is situated near NH 35. It is also connected by Air through Airport, Bamrauli (Prayagraj) at a Distance of about 50 Km from Ledar.

4.8 BRIEF MANUFACTURING PROCESS:

"JK CEMENT WORKS- PRAYAGRAJ (A UNIT OF JK CEMENT LIMITED)" is a clinker grinding unit. The unit is to manufacturing Portland pozolona cement and Ordinary Portland Cement to the tune of 2.5 million TPA. Clinker (65-90%), gypsum (5-10%) and Fly ash (15-35%) are fed into the VRM through belt conveyor. Retention time in VRM will decide fineness of the cement produced. The clinker grinding manufacturing process is as under:

a) Raw material unloading and storage.

b) Grinding of material in Vertical Roller Mill (VRM).

c) Packaging of finished products.

a) RAW MATERIAL UNLOADING AND STORAGE

A. UNLOADING, HANDLING AND STORAGE OF CLINKER

Clinker is unloaded by truck tipper and stored in clinker storage yard. Clinker from this storage area is transported through belt conveyor to hopper building.

B. STORAGE

a) Gypsum

Gypsum is unloaded and stored in the covered yard. The gypsum from yard is transported through conveyor to hopper building.

The pay loader carries the raw materials from stock yards and dump into the dump hopper. The clinker granules and gypsum are fed into the belt conveyor to a weigh feeder which controls feed rate.

b) Cement Mill VRM

The mixed material is fed into the VRM of capacity 280 TPH. A weigh feeder is installed to control the feed rate. Clinker grinding takes place by exposing a bed of material to a pressure sufficiently high by grinding roller to cause fracture of the individual particles in the bed. The product is then lifted by high velocity suction air through a high efficiency separator to ensure homogenized and consistent quality of cement. Cement is collected in Bag House and is transported to the cement silo.

c) PACKING

Final product as a cement is packed in 50kg Bags and transported / may add bulk quantities.

5. EMERGENCY – PREVENTION AND CONTROL.

a. THE EMERGENCY

The Process and Material used in Cement Manufacturing are generally not hazardous in nature. However, an Emergency like situation may take place if any dangerous occurrence goes out of control in the Plant using heavy Equipment's / Machinery and Structures with volumes of Raw & Finished Materials.

As such, an emergency like situation is deemed as one that may be caused by a dangerous occurrence or natural calamity affecting people and plant property at large and which calls for their safe evacuation through mobilization of resources and teamwork.

b. NATURE OF EMERGENCY:

An emergency may crop up on account of any of the following Occurrences.

- Major fire in the plant engulfing large area and People
- Electrocution in Panel room, DG Set, operational transformer,

switchyard etc.

- Fall from height
- Trapped in confined space due to engulfment, suffocation etc.
- Collision of vehicle and pedestrian, toppling of vehicles etc.
- Agitation at plant location (crowd or mob).
- Collapse of any heavy Structural installation or Plant Building.
- Natural calamity like Flood, Earthquake or Thunderous Windstorm.

c. HAZARDOUS AREA IDENTIFICATION:

Following Areas, Materials and Structures are identified as possible Hazards, which may lead to any Emergency like situation.

(A) SENSITIVE AREAS

- HDPE Bag Go down
- Electrical Sub Station
- Oil Unloading Area

(B) FLAMMABLE MATERIALS

- Mixed Hydrocarbon Oil
- HDPE Bags

i. SITE PLAN – HAZARDS IDENTIFICATION:

The Hazard Prone Areas as detailed above are distinctly marked in the Site Plan for proper identification.

5.1 HAZARD ASSESSMENT TECHNIQUE:

All potential risks in the plant areas as borne out of hazardous process activities and materials are regularly assessed for elimination of unsafe situations thereby preventing chances of an Emergency. Following Techniques are adopted for assessment of Hazards.

- Regular Safety Inspections of Plant Areas.
- Periodical Safety Sampling.
- Regular job safety Analyses.
- Test / Examination of Lifting Machines / Pressure Vessels under Factories Act / Rules.
- Permit to Work system.
- Dust Monitoring of Working Zones under Factories Act / Rules.
- Dust Monitoring of Stack emission & Ambient Air under Pollution Control Act / Rules.

- Daily tool box training to the workers related to their work.
- Log out Tag out our practice.
- Monthly safety committee meeting.
- Reporting system of unsafe conditions and unsafe act.
- Emergency drill conducted for the awareness.
- Monthly Safety Gate meeting with all the employees and workers to spread the awareness regarding safety measures.

5.2 Techniques adopted for Assessment of Safety Hazards.

We have scheduled for Inspection of Plant at regular intervals as detailed below.

Joint Safety Inspection by Safety Committee Members:

Periodic Safety Inspections are carried out by Members of Safety Committee to locate / identify causes that may lead to unsafe conditions and practices. This will enable us to find what safeguarding is necessary to protect against these Hazards and prevent Accident. Inspections check list enclosed.

Safety Sampling Technique:

Safety Sampling is done on random basic for inspection of particular Equipment for its safety status for which a particular route is fixed and number of observation counts is made out of existing stocks. Safety status is then assessed for rectifying necessary unsafe observations for safety.

Job Safety Analyses.

Job Safety Analyses is done to ensure safety during execution of the job.

This practice is adopted before starting job, i.e. at the time of job planning.

Basic steps of JSA

- Break the job down into successive components as independent unit.
- Identify the potential hazards associated which may lead to accident
- Work out corrective measures to eliminate probable accident cause.

5.3 **ASSESSMENT FOR PROBABILITY OF OCCURRENCE**;

Normally there is no potential for any Emergent situation to occur in the Plant other than natural Disasters like Earth Quake, Flood etc. Cement Manufacturing Process does not involve any treatment, Storage, Handling, Releasing or Transporting any Toxic / Hazardous Chemicals or

Gases. However, effective measures are planned to control any emergency in time.

6. EMERGENCY SHUTDOWN PROCEDURE

6.1 SHUT DOWN OF GRINDING AND PACKING PLANT

In case of an Emergency, the conditions are such which may force a Shut Down of the Plant. If the situation so warrants then the Shut Down should be affected in a systematic manner without causing any loss to Plant, People and the Auxiliaries / Equipment. Following Procedure should be adopted to shut down the grinding unit.

- Section In charge to ask the incident controller for Shutting off the Plant.
- Stop the Clinker feeding to cement mill.
- Stop the Fan.
- Switch off the drives to stop Cement mill & packing plant.
- Switch off other Auxiliaries related to Grinding Unit.
- Inform the in-charge Power Supply for cutting off Power supply to the Plant.
- Continue alternate Power Supply to general / Road lights and important utilities.

6.2 RECOMMISSIONING

Start-Up the Grinding Unit may resume after long shut down. As such every care should be taken to avoid any untoward happening at the time of restarting of the Plant.

Following Procedure should be adopted during starting of Grinding Unit.

The Section / Area In-charge to ensure for restoring normally after Emergency.

Ensure for removal of left out Materials and safe movement in working area.

Ensure that all Manholes Ducting are closed and moving M/c parts are guarded.

Arrange for switching on Power supply to the Plant through In-charge Power supply.

Switch on Power supply to the Control Panels.

Switch on Power supply for trail run of Auxiliaries relating to the Grinding Unit.

Switch on Power supply to the Drives for rotation of Cement Mill.

Check for smooth functioning of control System during trial run of Auxiliaries.

Check for proper feed of chamber to Cement Mill.

6.3 PREVENTION AND CONTROL

Any dangerous occurrence can be checked with adequate precautionary measures before it may lead to Emergency. Following precautionary measures shall be taken to effectively control the Hazardous Situation.

7. FIRE PREVENTION & CONTROL MEASURES

No hot work or any other Job involving naked flame shall be done in sensitive areas as earlier identified without any valid permission / clearance or authorization from Area / Section In-charge.

- Naked flame if any will not be left unattended.
- Smoking is prohibited inside the Plant especially in the areas where no smoking Board is displayed like Packing, Go down, and Diesel Oil storage.
- Flammable scraps like Packing Material, Waste Rubber and Jute, Oil soaked rags etc. should be dumped away from the working Place and disposed off regularly.
- Areas under Welding should be cleared off flammable Materials to prevent chance of Fires from Welding splatters.
- Fire extinguishers and water availability should be ensured on site where Welding Jobs are carried out near or around flammable Materials area.
- Loose Electrical fittings and exposed joints should be properly insulated to check short-circuiting / sparking.
- All Fire Extinguishers shall be kept ready for operation duly checked / tagged through regular inspection.
- Access to Fire Fighting Equipment’s should not be blocked.

- Ensure proper lubrication and cooling of Machine Parts to avoid friction.
- Does not over load the Electrical circuit by using too much Equipment at one point.
- All Welding Machines and other Electrical Motors should be earthed.

7.1 FIRE CONTROL MEASURES.

Any person who detects the Fire will shout Fire-Fire to gather the attention of other fellow persons and rush to the scene to help extinguishing the Fire.

Simultaneously, the concerned Shift / Area In-charge and Fire Section / Security Department should be informed.

The shift area In-charge should inform his senior officers about the nature and location of the Fire.

In case the Fire aggravates and is likely to cause damage to Plant and property, the Shift Area In-charge should consult his senior Officers for approval to isolate the affected area by cutting off inlet / outlet flow of Material.

Similarly, any decision to cut off the Power supply or shutting down the Plant, should make every effort to put off the Fire with whatever resources those are available with him.

On receipt of Fire call the fireman on duty will rush to the site of Fire with trained persons and Fire Tender & Fire Equipment's. Fight out Fire so as to bring it under control as early as possible.

He will inform the Pump House to arrange and ensure sufficient Water supply for Hydrant Line.

The affected area should be cordoned off.

Chimneys / Structural, towers, Tanks, Silos etc. should be electrically earthed.

All other combustible material should be removed from the place of Fire.

7.2.1 FIRE ON GAS CYLINDER

- Warp/ cover the Cylinder body with wetted cloth or Gunny Bag. Use hand gloves.

- The cylinder regulator / valve should be immediately closed. Use hand

gloves.

- Try to roll down the cylinder and take it away to some safer place.

7.2.2 ELECTRICAL FIRE.

- Switch / Cut off the Power supply immediately.
- Water should not be used on Electric Fires.
- Use only Co2 / ABC type Fire Extinguishers.

7.2.3 OIL ON FIRE.

- Isolate the affected part by cutting off inlet / outlet Control valve.
- Cool down the outer surface by sprinkling water in case of Fire in Oil Drum.
- Do not pour water on the burning Oil.
- For Controlling /Extinguishing the Fire on Oil,
- we use the Mech. Foam.
- Mixed Oil & Foam (Waste Mixture after Fire Extinguishing) Collected in Drums and Send the same to Store.

7.2.4 DON'TS

- Never fiddle with Safety pin valve regulator of the Fire Extinguisher.
- Do not hammer the Nozzle / Plunger with a hard object.
- The Fire Equipment's should not be hit against wall or hand object.
- Don't be panicky during the Fire.
- Don't switch On the Power Supply till the normal conditions are restored.

8. HEAVY STRUCTURES/BUILDING SAFETY

Following measures should be taken to ensure Safety of Structures / Buildings.

- Vibration Monitoring of Plant/Unit should be done where there are operations – causing vibrations.

- Trusses and Purlins and Beams of Sheet Roofing Structures should be thoroughly checked and rectified for aging.

- Supporting Columns should be thoroughly reinforced whenever any crack is detected.

- Any major crack developed in the walls should be informed.

- Chipping, major Dismantling / Modification work of R.C.C. Structure should only be done under Supervision.

- The roof sheeting should be regularly cleaned off dust, especially before Rains.

- Any masonry erosion or civil defects in the Structure should be promptly attended.

- Steel Structures and Fabrication should be ensured for properly wedded joints and strength for uniformly distribution of bearing load.

- Proper alignment of Crane, Rails should be done to avoid jerking, vibrations and derailment.

- Stability certificate of fitness in respect of heavy structures / building should be taken from approved competent person.

8.1 SAFETY AGAINST NATURAL CALAMITIES.

- Drainage System inside the Plant should be perfect.
- Water logging should be checked through effective disposal.
- Lightning arrestors should be mounted on tall Buildings.
- Chimneys / Structural Towers, Tanks, Silos etc. should be electrically earthed.
-

8.2 EVACUATION / RESCUE PROCEDURE

The work of evacuating the Personnel will be done under the Supervision of Rescue coordinator as per following procedure.

- The Section In-charge of the Emergency affected area will call for Rescue Coordinator to arrange for evacuation of Personnel required if any.
- The Rescue Coordinator will immediately summon his Team with necessary Materials / Gadgets and reach to the evacuation site to assess the situation.
- All Employees other than affected Persons shall gather at the Assembly Point.
- The Rescue Coordinator will seek help from Transport / Medical / Welfare Co-coordinators for necessary arrangements as may be required for evacuation.

9. ORGANISATION FOR EMERGENCY

9.1 EMERGENCY ROLE.

Following Executives / Officers of the Plant shall be responsible for providing "ORGANISATIONAL SUPPORT" and services to help controlling the Emergency in any Section of the Plant.
They will form a "Emergency Task Group" and give the desired "LEAD" in Areas of their Operational Control.
The EMERGENCY ROLE" as assigned to each Designated Persons of the task group is defined as under.

Sl. No.	DESINGATED PERSON	EMERGENCY ROLE
01	Head of the Organization	Will act as site controller
02	Head Operation	Will act as Incident Controller
03	Duty In-charge (Security)	Will act as communication Coordinator
04	Dept./ Section Heads	Will act as "Area / Section In-charge"
05	Head (Security)	Will act as "Rescue Coordinator"
06	Head / Section In-charge (Safety)	Will act as Safety and Fire Coordinator
07	HOD (Stores)	Will act as material coordinator
08	Transport In-charge (Security)	Will act as Transport Coordinator
09	Head (HR)	Will act as liaison & public relation coordinator
10	HOD (Electrical)	Will act as In-charge Power supply
11	HOD / Sectional Heads of Mech. Maintenance	Will act as In-charge Water Supply and Pump Operation coordinator.

12	Dept. / Sectional Head of Mech. Maintenance	Will act as coordinator of Mechanical Utility
13	H.O.D (Training)	Will act as Training Coordinator

In the absence of any Member of the Task Group, the 2nd Person in Chain of Command will automatically take charge of the responsibilities for the respective Function and Duties of his senior.

9.2 ORGANISATION STRUCTURE:

The Organization Structure for "ON SITE EMERGENCY ACTION PLAN" is drawn as per Chart enclosed as Annexure 1.

All Personnel as notified above for Emergency work shall report to Emergency Control Officer immediately after an Emergency is declared.

Duties & Responsibilities of all Key Members of the Emergency Task Group are detailed separately.

9.3 EMERGENCY DUTIES / RESPONSIBILITIES OF KEY PERSONNEL:

9.3.1 SITE CONTROLLER:

The Site Controller will be the overall In-charge of Emergency Control activities and his duties during Emergency shall be:

- To make himself available in the Emergency Control Room immediately after receiving the information regarding serious Occurrence.
- To declare the affected Area as Emergency Zones in consultation with Incident Controller and Site In-charge take control of Situation for overall Co-ordination of the Emergency handling operation between different Agencies at Work.
- To Contact if needed the Local / District Administration, Police, Hospital, Fire Brigade etc. for any help required and give instructions to Liaison Officer to this effect.
- To assess the Magnitude of the situation in consultation with Incident Controller and decide if Employees need to be evacuated from the affected Area to the Assembly Point.
- To maintain continuous review of developments in consultation with Incident Controller as to whether shutting down of the Plant or any Unit
  / Equipment is required.

- To issue authorized statement to News Media if required and ensure that material evidence is preserved for any Enquiry to be conducted by Statutory Authorities.

9.3.2 INCIDENT CONTROLLER

Incident Controller will function as Site Controller in his absence with duties as under:

- To control Plant Operations and take Emergency shutdown in consultation with Area Section In-charge.
- To ensure evacuation of Employees to the Assembly Point.
- To direct Fire Fighting Operations till the Fire Fighting Squad reaches the site.
- To identify urgent Material requirement and advise the “Material coordinator “
- To direct all Emergency handling operation on priority for Safety of Personnel & Minimum losses to Machine and Material.
- To keep in touch with Site Controller and inform all developments to the Communication Officer with specific information.

9.3.3 COMMUNICATION CO-ORDINATOR:

- He will ensure that all Communication System under him are maintained to work with.
- To operate from Emergency Control center and inform the Site Controller / Incident Controller about the Emergency situation immediately after he receives the information from Area / Section In-charge.
- He will arrange to blow the Siren / Hooter for declaring or clearing emergency under instruction from Site Controller.
- He will inform all the Members of Emergency Task Force on receiving the information in this regard.
- Telephone lines, Mobile phones etc. shall be kept clear on priority during Emergency to ensure speedy transmission of urgent message.
- In case of Power / Telephone failure he will arrange to use Runners / Messengers.
- He will use Public address system / Mike to convey any specific information to the Persons gathered at Assembly point as per instruction of Site Controller.

9.3.4 AREA / SECTION IN-CHARGE

The Area / Section In-charge in whose jurisdiction the Emergency has occurred will reach the Site and take stock of its Magnitude and implication.

- He will lead the Rescue Team and direct all Control Operations.
- He will inform the Communication Officer about the Emergency Occurrence.
- He will inform the Incident Controller / Site Controller and ask for Shutting down the Plant Operation or any additional help as may be required.
- He will ask the In-charge Power Supply to Cut Off in the affected area as required in consultation with Incident Controller.
- He will arrange to cordon off the Area around Emergency Zone to prevent entry of unauthorized Personnel.
- He will also arrange for the Evacuation of affected personnel to the Safe Zone.

9.3.5 RESCUE CO- ORDINATOR:

- Shall take charge of all Rescue & Relief Operations at the Emergency Site: like Firefighting and evacuation of affected Personnel etc. and work under the direction of Incident Controller.
- To immediately arrange to call all Members of Rescue / Relief Operations, and rush them to the Site for fighting out the Emergency.
- To arrange / co-ordinate for calling Fire Brigade from outside as may be required.
- To cordon off the affected Area in consultation with Area / Section In charge.

9.3.6 MEDICAL CO-ORDINATOR:

- To immediately call all the Members of First Aid Team and establish First Aid care.
- To ensure availability of Ambulance Equipped with essential Items ready for use.
- Assign specific Job / Instructions to First Aid team.
- To arrange & ensure to First Aid Emergency Center from Plant security room or from outside in consultation with Material Co-ordinate.
- To shift Injured Personnel to outside Hospital for Treatment as the case may be.
- To summon outside Medical Aid if required.

9.3.7 SAFETY AND FIRE CO-ORDINATOR:

- He will rush to the site of Emergency and identify all Safety requirements keeping Safety of Persons on priority.
- To arrange suitable Safety Appliances for Personnel Protection like Safety Helmet, Hand Gloves, Safety Belt, face Shield, dust Filters etc. from Stores, Plant / Department and Emergency stock etc. in consultation with Material Coordinator.
- To take all possible Safety Measures and Safeguards to arrest further spread of hazards, in co-ordination with Area / Section In-charge and Incident Controller.
- To conduct investigations into causes of Emergency occurrences and suggest remedial measures for prevention of its reoccurrence.
- To evaluate the adequacy of Emergency Control Plans for Disaster Prevention and preparedness and suggest measures for rectification of Shortcoming.

9.3.8 MATERIAL CO-ORDINATOR:

- To maintain reasonable stocks of Materials like Safety, Fire, First Aid Items, Mechanical, Material Handling fighting's etc. and earmark "Emergency Stock "of above Items.
- To maintain Emergency Stocks separately at Emergency Control Center and review / replenish them.
- To arrange prompt supply of essential goods from local market as and when required during Emergency.
- To remain in constant touch with Incident Controller and Area / Section In-charge for identification and supply of Material and Equipment's / Accessories.

9.3.9 TRANSPORT CO-ORDINATOR.

- To mobilize sufficient Vehicles and Transport Equipment's for shifting Man / Material and Evacuation of Employees.
- To arrange strict Security at the Gate to prevent entry of unauthorized Personnel and Vehicles.
- To control Traffic movement and ensure that no crowding of vehicle is there Around emergency zone.
- To ensure that alternate Transport is also available as and when required.

9.3.10 LIAISONING AND PUBLIC RELATION CO-ORDINATOR:

To assist Site Controller in seeking help from outside agencies like Police, Administration, Hospital, Fire Brigade for Emergency Work.

- To keep himself informed on the status of casualties or other Emergency losses and arrange to provide any additional help for prompt Treatment of the Injured.
- To handle all enquiries from relatives and provide appropriate Information.

9.3.11 IN-CHARGE POWER SUPPLY:

- To cut off the source of Power Supply to the affected Emergency Zone and related operational Units as and when required authentically by Area Section In-charge.
- Restore Power Supply after Emergency clearance is obtained from authorized Person.
- To provide alternate source of Power Supply to Electrical Equipment / Auxiliary from D.G. House in case of Power failure.

9.3.12 IN-CHARGE WATER SUPPLY:

- To ensure sufficient Reserves of Water Storage.
- To maintain Pump operation and Valve control for proper supply of water.
- To give top priority for Water supply to affected Zone as may be required for Emergency use.

9.3.13 CO-ORDINATOR MECHANICAL EQUIPMENT / UTILITIES

To arrange supply and installation of all Mechanical / Material Handling Equipment's and their fittings like Mobil Crane, Chain Pulley Block, Slings, Ropes, Ladders, Winch Crab, Trolley etc. as may be required for use during Emergency.

9.3.14 TRAINING CO-ORDINATOR:

- To prepare and earmark a Rescue Team of trained Personnel capable of handling Emergency control / relief Operation.
- To arrange Training of Rescue Team Personnel in all Rescue Operations like Evacuation, Fire Fighting etc. through demonstration / drills of Fire Equipment's.
- To form a First Aid Team and provide Training in First Aid so as to make them capable of rendering all First Aid Services and care.

- To provide the list of all trained Members of the Rescue Team and First Aid Team in the Emergency Control Center intimating them to operate under Rescue Co-coordinator respectively during Emergency.

9.4 FOR EMERGENCY DURING NIGHT DUTY HOURS:

- During Night Duty Working hours, the Security Supervisor on duty will be the Emergency night duty In-charge for Emergency Control Works. He will be responsible for Coordinating all necessary action to help control the Emergency Situations.
- To assess the scale and magnitude of the Emergency implications and accordingly inform the Incident controller of Area Section In-charge as the case may be.
- If required inform all members of Emergency Task Group & Rescue First Aid Teams.
- To use Runners / Messengers in case of Telephone failure.
- To blow the Siren / hooter for declaring state of Emergency under instructions of incident controller.
- To arrange the Transport / Vehicle for Emergency and Rescue Operations.
- To act under instructions of incident Controller and carry out other jobs as are attributed to communication Co-Ordinate.

9.5 EMERGENCY SERVICES & UTILITIES

9.5.1 EMERGENCY CONTROL CENTRE.

Security office at main Gate will be the Emergency Centre during emergency and all emergency operations would be directed from there.

The emergency control Centre shall have the following facilities. :-

- Internal and external telephone facilities.
- List of key persons notified for Emergency work with their contact Telephone numbers and addresses.
- List of all employees as engaged in different shifts in the plant.
- List of control locations / contact Telephone numbers for service and liaising.
- List of outside Agencies for help like local / Distt. Administration, Hospital, Police, and Fire brigade etc., along with their addresses and phone numbers.
- Emergency Siren / hooter control a public address system.
- Emergency stock of essential items for Firefighting, safety, First Aid, Rescue / valuation, Transport etc.

9.6 CONTROL ROOM / COMMUNICATIONS CENTRE:

- Location & Access: The Security office at the main Gate is the control Room and communication Centre during emergency as identified in the lay out plan. The control Room has a clear access.
- Vehicles / Transport: the control room has ready availability of sufficient Vehicles to meet any emergency as detailed under.
- Plan: A lay out plant of the factory is displayed in the control room.
- The plant has following vehicles, which can exclusively be put in service for evacuating and shifting of personnel and Material during Emergency.

  Cars : 01 Nos.
- These vehicles shall be available near the Emergency control center under the charge of security office.
- Besides, on call to ambulance facilities are also available round the clock.
- Important Telephones: A list of all-important Telephones is also displayed in the emergency control Room.
- Communication Facilities: The control Room is provided with Internal & External phone to make use of the same during Emergency.
- Also the runner's persons designated as Runner is available in each shift.
- The details are also exhaustively covered under communication System Mechanism with all concerned Persons / Agencies for arranging necessary help to effectively handle emergency control operations.

9.7 ASSEMBLY POINT: -

- The area behind CCR & near Weigh Bridge are two designated Assembly Points.
- Display of Board: A Board has been displayed to mark and identify the location as assembly point.
- Roll Call System: The assembly point is adjacent to the Time office of personnel Dept. Where Employees records are available and the roll call can be taken.
- Visitor's record: There is a system to maintain a Visitor register in which all entries of visitors are recorded.
- All personnel shall assemble at the assembly point during emergency to ensure that emergency related instructions could be given to them and a roll call is maintained.
- In case any affected personnel is likely to be evacuated, the site controller shall advice the incident controller & section in charge for arranging the same.

9.8 COMMUNICATION FACILITIES & PROCEDURES

The plant has following systems of communication widely spread over to every Department and outside contacts.

- Internal Telephone
- External telephones and mobile phones facilities
- Electrical Siren Hooter
- Public Address Mike / Horn
- Runner System
- Cars.

The alarms/ PA system are provided at strategic points whereas telephone systems are provided in each and every section.

- The communication officer will use the alarm siren for emergency as and when required.
- In addition, the communication officer shall also inform all concerned persons telephonically as notified for Emergency work.
- In case of telephone failure, the communication officer shall arrange to rush the runner with a conveyance to convey the message to all concerned.
- If needed, he should also use public address / Mike system at the assembly point for conveying any information as may be required to the persons who have assembled there after being evacuated from the affected area.
- Telephone / Mobile Phones: facilities shall be used for conveying messages to Head Office or area Marketing / Liaison office.
- The E-mail shall be used for onward communication to statutory authorities informing them about the occurrence / declaration of an Emergency.
- The communication officer in consultation with incident & site controllers shall municipal / District Administration etc. on Telephones to summon any urgent help as may be required to bring the situation under control without loss of time.

9.9 ON DETECTION OF FIRE:

In case a fire is detected by any person, he will.

- Raise the alarm by shouting Fire, Fire, and Fire to draw attention of his other colleagues.
- Immediately inform the section In-charge, Departmental Head, Fire Section, Security officer on duty etc. and also inform his colleagues to make possible arrangements for firefighting by using portable fire extinguishers as are placed nearby.

- On receiving the information, the section in charge will immediately rush to the site of fire occurrence and make all possible arrangements to control the situation.
- He will also assess the magnitude and gravity of the situation and if required shall inform the occurrence to incident controller and communication officer.
- If required, the section in charge will inform Electrical Department to arrange shutting off" the power supply.

9.10 ALARM MECHANISM FOR EMERGENCY:

Following system will be adopted for blowing the alarm /Siren for Emergency.

- In case of Emergency the Communication Officer will arrange to blow the Siren
- First at high pitch and then gradually at low pitch for 15 seconds.
- He should repeat the blowing of Siren 03 times at a stretch intermittently.
- The alarm will signify that an Emergency has occurred and Emergency services should accordingly be put in operation.

9.11 ALL CLEAR SIGNAL:

The Communication Officer shall arrange to blow a long-pitched siren continuously for some time without break to indicate that Emergency is over and normally being restored after the emergency has been controlled.

9.12 MEDICAL AID:

The Plant has first aid facility in security room Works Complex operating round the Clock under Supervision of security first aid trained person. It has facilities for basic First Aid Along with Beds, Stretchers etc. to meet First Aid requirements of the Employees for Medical Treatment.

Hospital for emergency case

Satguru Hospital and Critical Care, Shivrajpur (Shankargarh)

9.13 MUTUAL AID:

In case of emergency Mutual Aid is available from nearby industries.

10. EMERGENCY EQUIPMENT

Following Equipment's are readily available in the dispensary.

First Aid Box-05 Eye shower portable type – 2

10.1 EMERGENCY MEDICINES / FACILITIES

A stock of necessary first aid Equipment's is available in Plant Premises.

10.2 FIRE EQUIPMENT'S

Various types of Fire Fighting Equipment's are available in the Plant in sufficient numbers to meet any Emergency. These are fixed at prominent locations in the Plant and reserve stock is also maintained in Fire Station and Stores. These are available in various sizes as detailed below.

ITEM	QUANTITY
CO2 Type (all size)	25 Nos.
Foam Type (All Sizes)	10 Nos.
ABC Type (Multi Purposes)	25 Nos.

10.3 ADEQUACY OF FIRE EQUIPMENT:

Fire Equipment's are sufficiently available.

10.4 WATER SUPPLY

The plant has a system of storing water in number of ways like surface water tanks & Return water Tanks. Also Three number of underground Bore wells is there to supply water on regular basis for use in plant and machinery. Separate Pumps and water hydrants are there for fire Emergency.

10.5 SAFETY EQUIPMENT (PERSONNEL PROTECTIVE APPLIANCES)

Sufficient quantities of personnel protective appliances like safety helmets face shield, Safety Goggles, Masks, safety Belts, Hand Gloves, Apron, Gum Boots and Safety Shoes etc. are available in stores and plant department.

● Safety helmet	40	Hand Gloves	50
● Ear Plug	15	Goggles	100
● Mask	50	Safety Shoe	30
● Safety Belt	15		

- Apron / Overall 02

10.6 POWER SUPPLY

Total requirement of Power supply for Plant is about 13.0 M.W. which is met through following sources:
From: UPPCL (PVVNL) – 13.0 MW

From: DG 1250kVA.

In case of PVVNL Power Failure, alternate supply from D.G. are available to ensure that Power to critical Equipment and Auxiliaries is always maintained and compensated for Emergency use.

10.7 MECHANICAL EQUIPMENT / ACCESSORIES

Ropes, ladders, chain Pulley Blocks etc. are available in stores and Mechanical Departments for use during Emergency.

10.8 LIAISONING & CO-ORDINATION

All liasioning & Co-ordination work with concerned Authorities like Police, Hospital, Local/ District Administration, Fire Brigade etc. shall be done from the Emergency Control Centre. Various other enquiries shall also be entertained from there.

10.9 TRAINING OF PERSONNEL:

- All Employees of the Plant shall be regularly Trained and retained to meet effectively the Emergency requirements.

- Special emphasis will be given on Fire Fighting Demonstration and First Aid as being a regular part of such Training.

- It shall be always ensured that sufficient numbers of Trained Personnel are available at all times to meet any Emergency.

10.10 TRAINING OFFERED FOR:

- First Aiders: Training is arranged annually.

- Fire Fighter: Prevention Regular Training is done on Fire & Control

- Essential / Key Personnel: Training regularly done.

- General Public: Health Knowledge is imparted through

11. TYPE OF TRAINING: Camps, Educational Functions and Community Welfare Activities.

Details of Training for desired Emergency personnel

Training of First Aiders: Type of Training

In House training

Demonstration by Training Dept. with faculty support from medical Dept.

 External Training of First Aiders through Red Cross Society or any other related agency.

Contents of Training: first aid procedures & Treatment of Fractured Limbs.

 Knowledge of type and use of splints.

 First aid treatment against Electric Shock.

 Use of Resuscitator /Artificial Respiration

 First aid treatment against Burn Injuries

(a) Training of fire Fighter:

Type of Training: In-house Training

 External Training on Effective Fire Fighting system

Contents of Training: Fire Chemistry & Classification of Fire

 Types of Fire Extinguishers and their use.

 Checking / Maintenance of Fire Eqpt. & Hydrants.

(b) Training of Essential Persons:

Type of Training:	☐ In-house Training for handling Emergency and Management of Utilities /

Auxiliaries.

(c) Training of Key persons:

- External Training of Disaster Management
- Contents of Training: Team Building & Leadership Qualities to lead their people during Emergency
- Assessment of Emergency and managing ready stock of Emergency utilities like water, Air, Emergency power & Mech Fittings at site.
- Inter departmental liasioning and Co-ordination.

Type of Training: In-house Training /

- Review Meetings
- External Training on Disaster Control management

Contents of Training: About their Role / Duties

- Assessment of Emergency situation for deciding possible shutdown / startup of plant & its utilities.
- Liaoning and Co-ordination without side agencies.

(d) Training of General Public:

Type of Training: through Company organized

. Exhibitions and Health and welfare comps.

Contents of Training: Environment Protection.

Cement Manufacturing does not involve release / leakage of any Toxic gas or vapor during production and transportation as such public Safety at

large is not at all endangered.

Training Manual for Emergency personnel
Objectives:
To provide procedural guidelines for assessment of training needs imparting Training for Emergency personnel and authorize them to effectively handle emergency situation in area of their control.

Responsibilities:

The Unit head of works shall be responsible for identifying suitable personnel who are directly or indirectly engaged for controlling emergency.

All such personnel will be apprised with their emergency roles and functions clearly as defined in "ON-SITE EMERGENCY PLAN"

All such emergency personnel / Co-ordinates shall be members of Emergency Taskforce.

Identification of Emergency personnel

Concerned Dept. Head shall be responsible to identify and spare Emergency personnel's and coordinators from their department like First Aiders Fire.

Fighters, Utility Co-ordinates whom they deemed to be as essential persons to help controlling the Emergencies emergency.

Roles & Responsibilities of such personnel's during Emergency shall be well identified and apprised to them.

Assessment of Training Needs.

Head of Training Dept. Shall identify Training needs of all emergency personnel with a view to impart Training for enhancing their functional skills so that emergency situations could be handled effectively.

The assessment of training Needs shall be done in consultation with concerned dept. Heads and Head of safety dept.

Scope of Training

The Training of Emergency personnel should preferably cover following

areas

1. Nature of emergency and disasters
2. On site Emergency plan
3. Disaster control Management
4. Emergency preparedness
5. Management of emergency utilities
6. Team Building amongst cross functional Groups
7. Leadership Development
8. First aid Measures
9. Fire control Measures
10. Rehearsal drills & Demonstration.

Training of Emergency Personnel

- Head of Training Dept. In consultation with Head of Safety shall be responsible to arrange suitable Training of Emergency Personnel as per their Training Needs identified under Role and functions as laid down in "ON-SITE EMERGENCY PLAN"
- Training Head as per advice of head of Safety shall design suitable Training Program aiming to develop necessary functional skills required for controlling emergency effectively.
- The training will be need based focusing mainly in the emergency control areas as required for safe handling of emergencies.
- Head of training shall conduct in-house training Program with faculty support from experts for all categories of emergency personnel.
- Head of training Dept. in constitution with head of safety shall also arrange external / Advanced Training in areas of disaster control Management and Emergency Preparedness for such persons as deemed fit.
- Head of Safety will review their skills and take timely action for necessary up gradation.
- Firefighting demonstrations & rehearsal Drills shall be done periodically to take stock of emergency preparedness and efficiency of emergency of control systems by safety Dept.

11.1 DEMONSTRATION / DRILLS:

Fire Demonstration / Drill shall be regularly done for Fire Fighters / Security Staff and Plant personnel to check the Efficiency and reliability of Fire Control System.

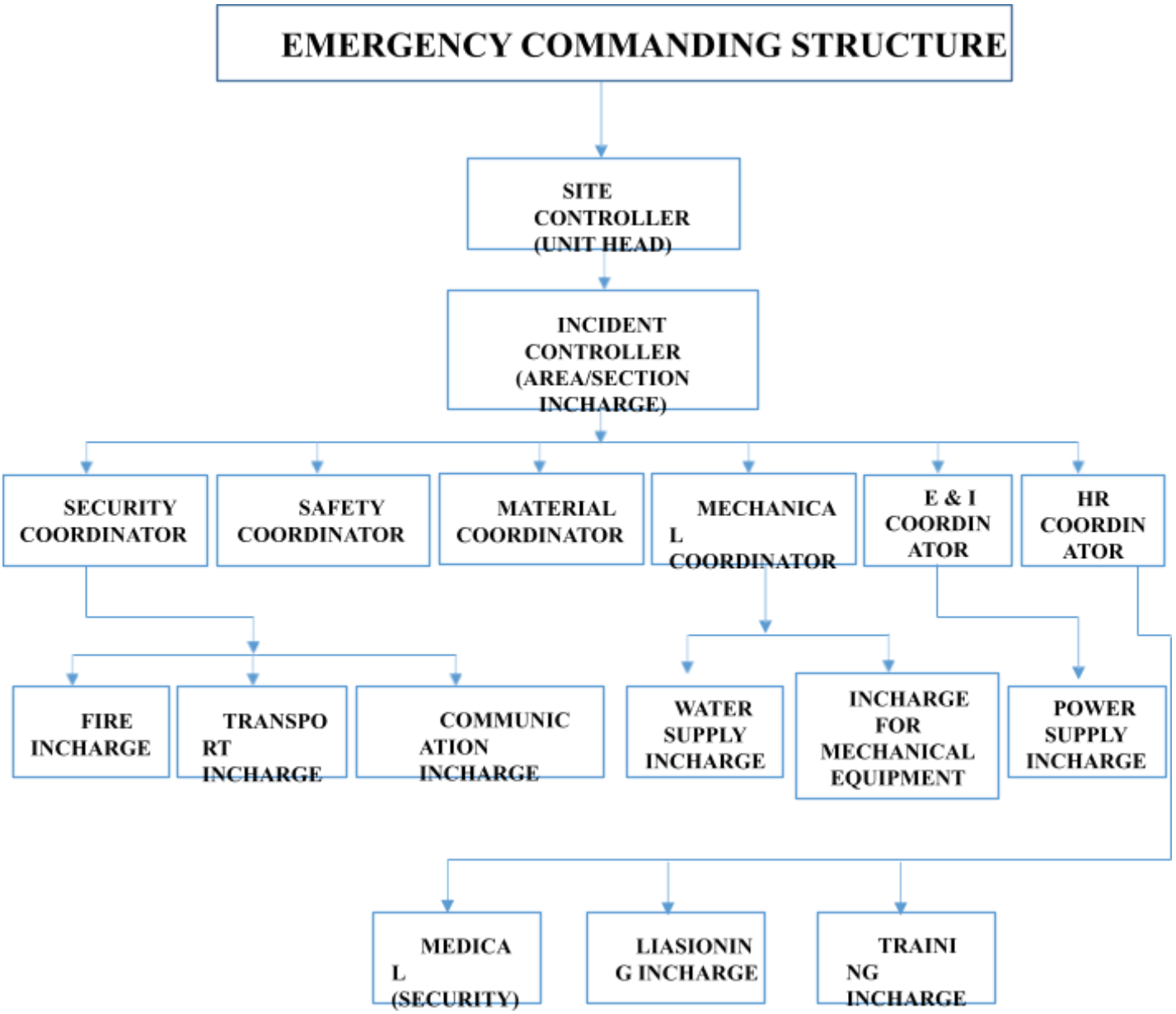
11.2 REHEARSAL of EMERGENCY:

Rehearsal of Emergency shall be conducted quarterly.

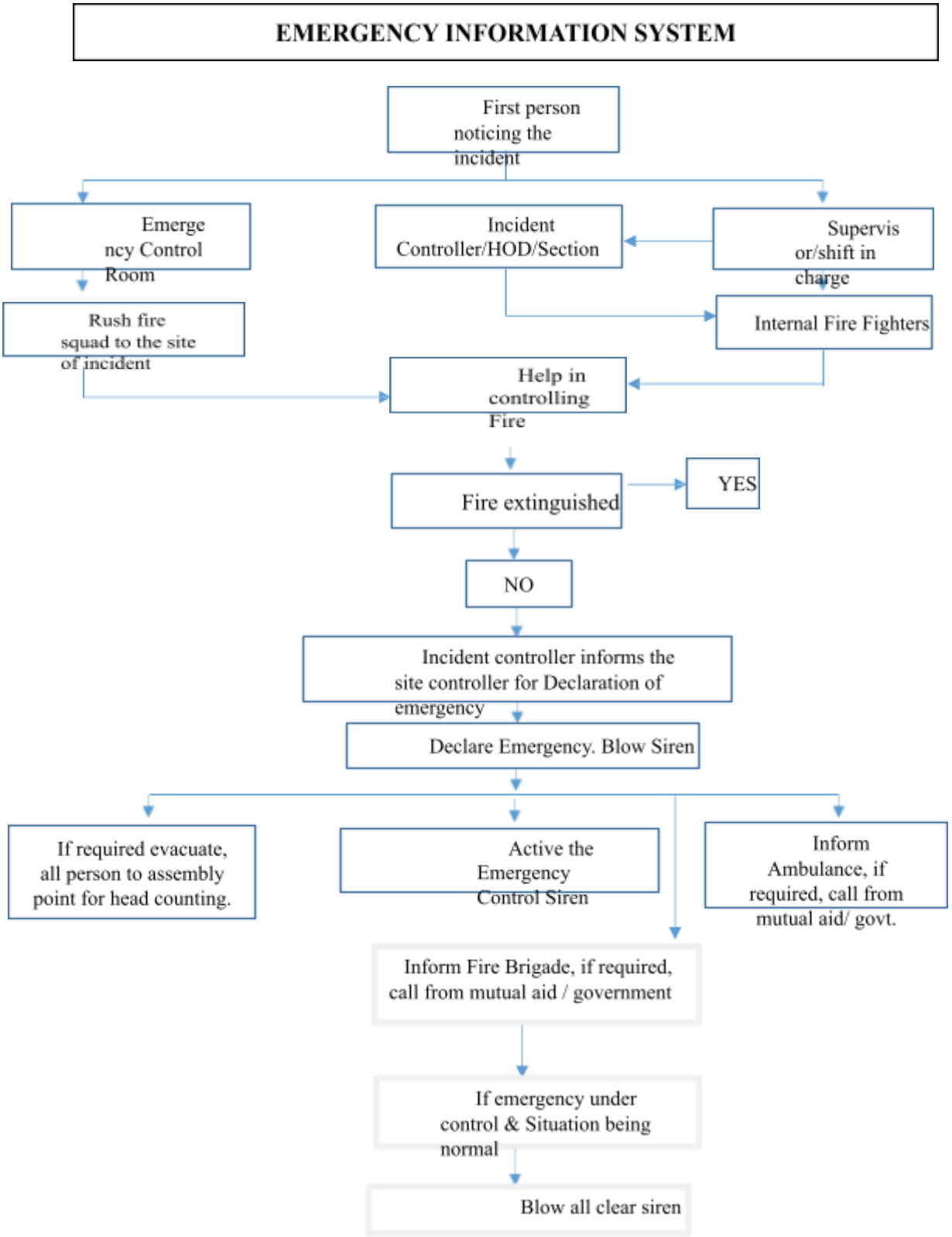
EXPLOSION & TOXIC GAS RELEASE:

Not applicable as Cement Processing and Transporting do not involve any Explosion / Toxic Gases etc.

12. Annexure 1



13. Annexure 2



14. CONTACT NUMBER

Emergency Key Person

Contact Resources	Location	Contact Number
Site Controller	Unit Head	7880198806
Incident Controller	Process Office	
Communication coordinator	Security Office Main Gate	9151009204
Area / Section In charge	Plant / Dept.	
Rescue Coordinator	Security Office	9151009204
Medical Coordinator	Security Office Main Gate	9151009204
Safety Coordinator	Safety Dept.	9460005942
Material Coordinator	Gen. Store	9438291230
Liaising & Public Relations Coordinator	HR Department	9880557188
In charge Power Supply	Electrical Department	9799529888
In charge Water Supply	Project Office	
Coordinator Mech. Eqpt. Utilities	Mech. Maintenance Mills	9889151891
Security Officer (Night Emergency)	Security Supervisor	9151009204

14.1 Contacts for External Help

The contact Telephones for External support are given as below:

Contact Resources	Location	Contact Number
Prayagraj		**STD CODE –**
Commissioner Prayagraj	D.C. Office	
District Magistrate	D.M. Office	
SDM – Bara	D.M. Office	
S Superintendent of Police	S.P. Office	
SP Rural	S.P. Office – Prayagraj	
Govt. Hospital	Chief Medical Officer	
Fire Brigade	Prayagraj	
Fire Brigade	Nearby Factory	
Circle Officer	-	
OUT SIDE Prayagraj		
Chief Inspector of Factories	Prayagraj	

15. EMERGENCY EVACUATION PLAN

Attached in Annexure 2

JKCement	Climate Change Policy	Policy No: FY25/CESD/03 Supersedes: 00 Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Climate Change Policy

JK Cement Ltd (JKCL) recognizes the profound impact of climate change on the environment, society, and the economy. Aligning with national and global frameworks, such as Paris Agreement, United Nations Sustainable Development Goals (SDGs), Ten Principles of United Nation Global Compact (UNGC) and India's Nationally Determined Contributions (NDC), JKCL is committed to:

- Ensure that all company activities comply with relevant laws, regulations, and applicable codes of standards and practices, while adopting additional measures deemed necessary to go beyond regulatory expectations.
- Establish quantified emission reduction targets for greenhouse gas (GHG) emissions, aiming to decarbonize operations and reduce the overall carbon footprint, in alignment with national and international commitments.
- Review all active goals and targets at a minimum every 05 years to ensure consistency in our progress. Targets shall be recalculated and revalidated as necessary to align with evolving regulations and requirements.
- Evaluate climate-related risks and opportunities across our operations, and develop strategies to address challenges.
- Minimize fossil-based energy use and promote transition towards cleaner, renewable energy sources by upgrading equipment and adopting low-carbon technologies in a phased manner.
- Support research and development of sustainable and low-carbon products, promoting innovation and circular economy in the industry.
- Promote climate responsibility throughout our value chain by collaborating with suppliers and partners to encourage climate-friendly practices. Support local projects and communities in reducing carbon footprint and enhancing climate resilience.
- Monitor progress and disclose our climate-related performance to stakeholders, ensuring compliance with all regulatory obligations.
- Refrain from funding climate denial or engaging in lobbying against climate regulations.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	Biodiversity Policy	Policy No: FY25/CESD/01 Supersedes: Biodiversity policy (01) Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Biodiversity Policy

JK Cement Ltd (JKCL) believes in a business model that is sustainable and nature-positive oriented, ensuring that its group's activities promote the conservation of biodiversity. JKCL is committed to:

- Ensure full compliance with all relevant laws and regulations, industry standards, and best practices, while adopting any additional measures necessary to go beyond regulatory expectations.
- Identify, quantify and assess the risk and impact on biodiversity and associated ecosystem services from existing or planned operations. Apply mitigation hierarchy (avoid, minimize, restore and offset) to effectively manage associated risks.
- No operational activities in close proximity to World Heritage areas and International Union for Conservation of Nature (IUCN) Category I-IV protected areas.
- Strictly prohibit any involvement in the trade of CITES-listed species.
- Implement nature-based solutions that support landscape restoration and long-term protection of natural ecosystems.
- Minimize adverse impacts on biodiversity by adopting best industry practices and state-of-the-art technologies.
- Achieve no net loss of biodiversity at our operating sites with biodiversity-related risks, aim to create a net positive impact (NPI) on biodiversity.
- Develop and implement Wildlife Management Plans (WMPs) / Biodiversity Management Plans (BMPs), as appropriate, with clear targets and action plans, to support the conservation of flora and fauna.
- Reduce deforestation associated with the group's activities by ensuring no net deforestation, with significantly more trees planted for every tree impacted.
- Monitor, review and assess biodiversity performance against measurable targets to drive continuous improvement, and communicate the results to all our stakeholders.
- Promote biodiversity awareness and provide training to all stakeholders across our operations.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	Circular Economy Policy	Policy No: FY25/CESD/02 Supersedes: 00 Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Circular Economy Policy

JK Cement Ltd (JKCL) maintains its operations that are aligned with sustainable practices and enhance resilience across our value chain. In order to promote sustainable waste management practices and circular economy, JKCL is committed to:

- Ensure full compliance with all relevant laws and regulations, industry standards, and best practices, while adopting any additional measures deemed necessary to go beyond regulatory expectations.
- Conduct thorough assessments of waste generated across all our sites, identifying the sources and current disposal methods to minimise waste generation through process improvements, resource efficiency, and the adoption of new technologies.
- Develop and execute programs to effectively reuse and recycle waste materials, aiming to close the loop in our operations. For waste that cannot be prevented, reused, or recycled, ensure it is disposed of in the most responsible and efficient manner.
- Increase the use of Alternative Fuels and Raw Materials (AFR) to reduce reliance on conventional resources and minimize environmental impact.
- Establish clear, measurable targets for waste reduction, recycling rates, and Total Substitution Rate (TSR).
- Monitor and report on waste production and management practices regularly, tracking our progress and communicating results to stakeholders.
- Support research and development of innovative technologies to further reduce solid waste and advance circular economy practices.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	Environment Policy	Policy No: FY25/CESD/04 Supersedes: Environment Policy (01) Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Environment Policy

JK Cement Limited (JKCL) promotes environmental protection as a core value in its operations. The company is dedicated to maintain a clean, green, and healthy environment by adhering to responsible practices and continuously improving its efforts in sustainability and resource conservation. JKCL is committed to:

- Ensure full compliance with all relevant laws, regulations, industry standards, and best practices, while adopting any additional measures necessary to go beyond regulatory expectations.
- Make environmental due diligence a core requirement for all upcoming Greenfield and Brownfield projects ensuring the protection of human health and the environment.
- Ensure clearly defined roles and responsibilities for all personnel involved in managing, performing, and verifying activities related to environmental and occupational health & safety (OH&S).
- Optimize resource utilization to enhance environmental management and ensure effective operation of pollution control equipment.
- Implement advanced technologies and robust practices to minimize emissions from our operations, ensuring compliance with regulatory standards & go beyond compliances.
- Set clear, measurable objectives and targets aimed at reducing environmental impacts, such as greenhouse gas (GHG) emissions, air pollutants, and other critical parameters, promoting a culture of continuous improvement.
- Review all active goals and targets at a minimum every 05 years to ensure consistency in our progress. Targets shall be recalculated and revalidated as necessary to align with evolving regulations and requirements.
- Continuously monitor and enhance environmental performance across all units in the areas of air, water, and waste through regular reviews, inspections, and audits.
- Build awareness among all stakeholders on environmental issues and compliance with relevant regulations through training and regular capability building sessions.
- Continuously enhance the effectiveness of our environmental management through a systematic approach for preventing, mitigating, and controlling environmental impacts, across our operations.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	ESG policy for Value Chain	Policy No: FY25/CESD/07 Supersedes: ESG policy for Value Chain (01) Pages: 2 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Environmental, Social and Governance (ESG) Policy for Value Chain

As JK Cement Limited implements Environmental, Social, and Governance (ESG) factors into our operations, it is mandatory for all our value chain partners to adopt and promote the following ESG practices, where applicable. Value chain partners should:

Environmental Parameters

- Ensure that all its activities comply with relevant laws, regulations, and applicable codes of standards and practices, while adopting additional measures deemed necessary to go beyond regulatory expectations.
- Maintain a formal environmental policy with commitments to legal compliance, continuous improvement, and the promotion of a clean, green, and safe work environment.
- Take measures to minimize their environmental impact and document, review, and track their efforts to ensure their effectiveness. If there are any significant environmental impacts, value chain partners are required to share the details with the company.
- Ensure the optimum use of natural resources, including energy, water, and raw materials, while striving for conservation.
- No operational activities in close proximity to World Heritage areas and International Union for Conservation of Nature (IUCN) Category I-IV protected areas.
- Recognize climate change risks and develop strategies to manage and mitigate physical (e.g., natural disasters, extreme weather) and transitional risks (policy, technology, market, reputational risks).

Social Parameters

- Ensure safe and healthy working practices, including accident prevention, emergency procedures, use of PPE, and training to prevent exposure to harmful substances or dangerous situations.
- Ensure prohibitions against smoking, alcohol and other intoxicants in factory premises.
- Prioritize the safety of personnel, machinery, and materials, ensuring drivers adhere to road safety norms and remain free from intoxicants while transporting goods.
- Ensure they comply with all applicable labour laws, including those governing work hours, minimum wages, and fair treatment of employees.
- Respect and protect human rights, ensuring no engagement in child labour or forced labour, and refrain from mental, physical punishment and use of abusive language.
- Promote equality and non-discrimination in the workplace, providing fair and equitable treatment to all employees.

- Adopt cost-effective technologies and practices to improve productivity, profitability, and sustainability.

Governance and Ethics

- Adopt anti-bribery and anti-corruption practices in business dealings.
- Act with integrity, ensuring transparency, accountability, and fairness in all interactions.
- Encourage the recognition and protection of intellectual property rights, including traditional knowledge, and ensure adherence to ethical business conduct at all levels of the value chain.

Monitoring and Continuous Improvement

- Set measurable short- and long-term targets for environmental, social, and governance performance, and maintain transparency in reporting to all stakeholders.
- Implement robust monitoring mechanisms to evaluate the effectiveness of sustainability efforts and conduct regular assessments, audits, and inspections to ensure adherence to ESG standards.
- Regularly review and update ESG goals to reflect evolving best practices, laws, and organizational priorities, ensuring that any significant changes are promptly communicated to all stakeholders.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	**Occupational Health and Safety (OHS) Policy**	Policy No: FY25/CSD/01 Supersedes: 00 Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Occupational Health and Safety (OHS) Policy

JK Cement Ltd (JKCL) integrates occupational health and safety with its operations and processes in harmony with nature, society, and the economy. In alignment with our commitment to sustainable practices and enhancing resilience across our value chain, JKCL is dedicated to:

- Ensure compliance with all relevant laws and regulations, industry standards, and best practices, while adopting any additional measures deemed necessary to go beyond regulatory expectations for occupational health and safety.
- Implement and sustain ISO standards (e.g., ISO 45001:2018) to maintain a safe, hazard-free environment across all operations. Maintain and implement standard operating procedures (SOP) on safety at sites.
- Assess occupational risks and hazards, and implement preventive and corrective measures to minimize injuries.
- Implement advanced technologies and systems to mitigate risks and hazards, minimizing its exposure and vulnerability.
- Ensure a safe workplace through continuous monitoring and improvement measures to prevent accidents and health risks, including providing adequate PPEs, First Aid kits at site, and WASH (water, sanitation, and hygiene) facilities.
- Conduct regular OHS training for employees, contractors, and stakeholders to raise awareness and reduce safety incidents. Conduct induction program on safety for new employees, worker and visitors, before entering the plant premises.
- Set measurable short-term and long-term OHS targets, with transparent reporting and disclosures on progress.
- Develop and execute emergency response plans for plant-related incidents such as fires, natural disasters, and other emergencies. Regularly conduct mock drills to evaluate and enhance the effectiveness of these plans.
- Engage with all stakeholders (internal and external) to ensure participation in OHS decisions, risk identification, and safety measures.
- Integrate OHS criteria into procurement and contracts to ensure partners and suppliers meet safety standards.
- Monitor OHS performance with regular audits, inspections, and independent evaluations for compliance.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

JKCement	Sustainability Policy	Policy No: FY25/CESD/05 Supersedes: Sustainability Policy (01) Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Sustainability Policy

JK Cement Ltd (JKCL), maintains its operations and processes in harmony with nature, society, and the economy. In order to promote sustainable practices and enhance resilience across its operations, JKCL is committed to:

- Ensure that all company activities comply with relevant laws and regulations, and applicable standards and practices, while adopting additional measures deemed necessary to go beyond regulatory expectations.
- Adopt resource-efficient technologies and identify processes, equipment, and systems to reduce the consumption of fuel, raw materials, energy, and water.
- Identify and assess risks and opportunities related to climate change and take proactive steps to mitigate these risks.
- Work towards effective climate change monitoring and mitigating our emissions through innovation and scientific approach.
- Ensure a safe workplace by minimising hazards and risks through the implementation of applicable ISO standards and best practices across industries.
- Implement a Sustainable Supply Chain Management system through innovative mechanisms and logistics.
- Set short-term and long-term measurable targets on different Sustainability related KPIs by maintaining transparency and integrity in reporting disclosures and communications with stakeholders.
- Conduct rigorous audits and evaluations to ensure the effective implementation of sustainability practices.
- Enhance capacity building and increase awareness among stakeholders to drive continuous improvement in product quality, productivity, and profitability.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI

Deputy Managing Director & CFO

JKCement	Water Management Policy	Policy No: FY25/CESD/06 Supersedes: Water Management Policy- 01 Pages: 1 of 1 Date of Issue: 23/01/2025 Effective Date: 23/01/2025

Water Management Policy

JK Cement Ltd (JKCL), recognizes the critical role of water as a key resource for its operations. For effective water management and conservation approach, JKCL is committed to:

- Ensure full compliance with all legal and relevant rules, laws, regulations, and other requirements related to water.
- Ensure periodic due diligence to identify, assess, and manage potential risks and impacts of water scarcity.
- Minimize the impact on water resources by measuring and optimizing water use and management.
- Reduce water consumption and withdrawal (freshwater, groundwater) by reusing & recycling water and implementing more sustainable use of water sources.
- Implement rainwater harvesting measures to recharge the water table and ensure its periodic maintenance.
- Implement water monitoring system to track, measure, and report water-related KPIs, such as withdrawal and consumption, to achieve short-term and long-term goals.
- Engage with stakeholders and communities to raise awareness and capacity building for responsible water use and involve them in protecting water resources.
- Maintain Zero-Effluent discharge status in our cement plants.
- Communicate progress and performance to stakeholders regarding water management and enhancing water positivity.

The policy shall be reviewed and updated as necessary to align with evolving regulations and best practices. Any amendments will be communicated to all stakeholders in a timely manner.

Approved By:

A.K. SARAOGI
Deputy Managing Director & CFO

Online Pollution Monitoring Portal

Site Name: JK CEMENT LIMITED Unit JK cement works Prayagraj
From Date: 2025/03/01 To Date: 2025/03/31
Report Name: Custom Report
Report Created by JKCL on 2025-05-15 14:26:42

Sl No.	Time	AAQMS_1-SO2 - (ug/m3) Raw	AAQMS_1-NOx - (ug/m3) Raw	AAQMS_1-NO - (ug/m3) Raw	AAQMS_1-NO2 - (ug/m3) Raw	AAQMS_1-CO - (mg/m3) Raw	AAQMS_1-PM2.5 - (ug/m3) Raw	AAQMS_1-PM10 - (ug/m3) Raw	AAQMS_1-Wind_Speed - (m/s) Raw	QMS_1-Wind_Direction - (Degree)	RS_1-Ambient Temperature - (Celsius	AQMS_1-Relative humidity - (%) Ra	AAQMS_1-Rain_tall - (mm/hr) Raw	QMS_1-Solar Radiation - (W/m2) Ra	AAQMS_1-Ambient Pressure - (hpa) Raw
1	2025-03-01	3.3	63.8	40.1	23.7	1.1	35	53.9	1.1	121.6	24.8	70.5	0.2	152.7	993.4
2	2025-03-02	3.3	64.2	40.5	23.7	0.8	22.6	41.3	1.2	262.6	24.7	68.4	0.7	191.4	992.6
3	2025-03-03	3.3	61.7	37.9	23.7	0.7	11.9	24.7	1.5	259.6	24.1	52.7	0	208.9	994
4	2025-03-04	3.3	60.4	36.7	23.8	0.6	11.1	33.2	1.7	263.4	24.9	48.6	0	193.1	993.5
5	2025-03-05	3.5	59	35.2	23.8	0.6	8	27.1	3	256.8	21	45.2	0	228.2	994.4
6	2025-03-06	3.6	59	35.2	23.8	0.6	6	18.4	2	251.5	17.1	44.4	0	106	994.4
7	2025-03-07	3.5	63.3	39.5	23.8	0.6	8.4	21.6	1.3	247.9	26.9	32	0	339.5	991.9
8	2025-03-08	3.6	62.3	38.5	23.8	0.6	9.3	23.1	1	222.4	24.5	40.1	0	221.4	991.2
9	2025-03-09	4.5	62.2	38.4	23.8	0.7	11.1	32.9	0.8	133.4	24.7	42.6	0	216.1	994.9
10	2025-03-10	4.1	62.6	38.7	23.9	0.8	17.8	38.9	0.9	148.2	25.5	46.6	0.3	208.1	997.6
11	2025-03-11	3.7	62.2	38.4	23.8	0.7	15.3	44.9	1	214.4	27.1	45.8	0.3	213.3	995.5
12	2025-03-12	3.7	61.9	38.1	23.8	0.6	9.8	25.3	1.5	256	28.8	44.9	0.3	216.9	990.7
13	2025-03-13	3.5	62.6	38.8	23.8	0.7	12.5	30.1	0.9	206.4	28.7	48.3	1.9	199.5	989.8
14	2025-03-14	3.9	63.1	39.3	23.8	0.8	14.2	29.6	0.9	168.3	29.4	46.7	2.4	207.5	990.9
15	2025-03-15	3.7	62.1	38.3	23.8	0.7	11.2	27.3	1.1	178.2	30.5	42.9	2	214.1	992.1
16	2025-03-16	3.7	62	38.2	23.8	0.7	10.9	30.2	1.4	205.2	29.9	43.4	0	95.8	991.9
17	2025-03-17	3.4	61.8	37.9	23.8	0.6	8.1	22.3	1.2	273.3	28	43.8	7.6	205.2	993.1
18	2025-03-18	3.9	61	37.2	23.8	0.6	7.6	21.8	1.5	260.9	25.7	43.1	3.3	228	994.3
19	2025-03-19	3.9	61	37.2	23.8	0.6	7.6	21.2	1	233.5	26.5	40.3	2.7	215.7	995.4
20	2025-03-20	3.9	63	39.1	23.8	0.7	7.7	36.8	0.8	149.7	26.1	48.3	4.6	95.9	996
21	2025-03-21	3.8	63.3	39.5	23.8	0.7	9.8	28.7	1	236.6	27.8	47.6	0	208.9	995
22	2025-03-22	3.7	60.8	37	23.8	0.6	9.4	24.7	1.3	216.4	27.6	34.1	0	234.8	995.2
23	2025-03-23	3.7	61.2	37.4	23.8	0.6	NA	19.8	1	190.7	27.4	36.8	0	236.7	996.3
24	2025-03-24	3.9	61.2	37.3	23.8	0.7	NA	31.5	0.8	186.6	27.8	36.6	0	244.5	996
25	2025-03-25	4.1	60.9	37.2	23.7	0.7	11.6	33.4	1	236.4	28.7	36.1	0	245	992.1
26	2025-03-26	3.9	60.1	36.4	23.7	0.7	17	41.9	1.4	254.4	30.9	29.7	0	252.5	989.2
27	2025-03-27	4.1	60.2	36.5	23.7	0.7	14.1	30.1	1.6	254.1	32	28	0	247.7	987.9
28	2025-03-28	4.1	59.8	36	23.7	0.7	16.8	36.8	1.9	271.3	31.7	30.9	0	232.3	988.7
29	2025-03-29	4.2	59.2	35.5	23.7	0.6	12.5	31.7	2.3	257.2	26.9	27.9	0	272.8	990.7
30	2025-03-30	4.3	59.1	35.4	23.7	0.7	13	26.9	1.5	259.8	27.2	25.6	0	270.7	992.1
31	2025-03-31	4.4	59.4	35.7	23.7	0.7	12.8	23.9	1.2	261.6	29.1	24.7	0	278.3	992.1
32	Prescribed Standards	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -
33	Maximum Value	4.5	64.2	40.5	23.9	1.1	35	53.9	3	273.3	32	70.5	7.6	339.5	997.6
34	Maximum Value At Time	2025-03-09	2025-03-02	2025-03-02	2025-03-10	2025-03-01	2025-03-01	2025-03-01	2025-03-05	2025-03-17	2025-03-27	2025-03-01	2025-03-17	2025-03-07	2025-03-10
35	Minimum Value	3.3	59	35.2	23.7	0.6	6	18.4	0.8	121.6	17.1	24.7	0	95.8	987.9
36	Minimum Value At Time	2025-03-01	2025-03-05	2025-03-05	2025-03-01	2025-03-04	2025-03-06	2025-03-06	2025-03-09	2025-03-01	2025-03-06	2025-03-31	2025-03-03	2025-03-16	2025-03-27
37	Geometric Mean	3.79	61.43	37.65	23.77	0.68	12.52	30.13	1.32	223.82	26.97	41.83	0.85	215.53	993
38	Median	3.7	61.7	37.9	23.8	0.7	11.2	29.6	1.2	236.6	27.2	43.1	0	216.1	993.1
39	Standard Deviation	0.33	1.48	1.46	0.05	0.1	5.68	8.11	0.48	44.08	3.05	10.59	1.72	50.81	2.41
40	Valid Data Points	31	31	31	31	31	29	31	31	31	31	31	31	31	31
41	Total Data Points	31	31	31	31	31	31	31	31	31	31	31	31	31	31
42	Data Availability %	100	100	100	100	100	93.55	100	100	100	100	100	100	100	100

J.K. Cement Limited
Prayagraj

पर्यावरण अनुमति के सन्दर्भ में आम सूचना

पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत सरकार नई दिल्ली की ई.आई.ए. अधिसूचना- 2006 के अधीन मेसर्स जे.के. सेम (सेंट्रल) लिमिटेड की स्टैंड अलोन क्लिंकर ग्राइंडिंग यूनिट ग्राम- लेदर, तहसील- बारा, जिला- प्रयागराज (उत्तर प्रदेश) में 2.5 मिलियन टन प्रतिवर्ष की सीमेंट उत्पादन क्षमता, डी.जी. सेट 1750 केवीए (1250/500/250/125) एवं एच.ए.जी. (20 एम. कैलोरी प्रतिघंटा) की [illegible] परियोजना के लिए पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत सरकार नई दिल्ली के द्वारा पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण अनुमति क्रमांक/A-J-11011/300/2022-IA-II (IND-1), दिनांक 19.07.2023 पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत की वेबसाइट (https://parivesh.nic.in/) पर भी उपलब्ध है।

[illegible]
जे.के. सेम (सेंट्रल) [illegible]
स्थान- [illegible] दिनांक- [illegible] 2023

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पर्यावरण अनुमति के सन्दर्भ में सूचना

पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत सरकार नई दिल्ली की ई. आई. ए. अधिसूचना-2006 के अधीन मेसर्स जे. के. सेम (सेंट्रल) लिमिटेड की स्टैंड – अलोन क्लिंकर ग्राइंडिंग यूनिट ग्राम: लेदर, तहसील: बारा, जिला: प्रयागराज (उत्तर प्रदेश) मे 2.5 मिलियन टन प्रतिवर्ष की सीमेंट उत्पादन क्षमता, डी. जी. सेट 1750 केवीए (1250/500/250/125) एवं एच. ए.जी (20 एम. कैलोरी प्रतिघंटा) की प्रस्ताव परियोजना के लिए पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत सरकार नई दिल्ली के द्वारा पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण अनुमति पत्र क्रमांक A-J11011/300/2022-IA-II(IND-1), दिनांक 19.07.2023 पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एमओईएफसीसी) भारत सरकार नई दिल्ली की वेबसाइट (https://parivesh.nic.in/) पर भी उपलब्ध है।

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