

JCCL/JSCP/MoEF/KSPCB/ 2023-24/

8th May, 2023

The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate Change
4th Floor, E&F Wing,
Kendriya Sadan
Koramangala,
Bangalore -560 034

Sub : Submission of Six months Compliance Status Report – 2nd Half as on 31.03.2023

Ref : 1. EC MoEF letter No.J-11011/541/2010-1A-II(i) dated 16.12.2011

2. Combined Consent order No.AW 334464/PCB ID 10456 dated 19.11.2022

Dear Sir,

With reference to the above, we are submitting herewith the six months Compliance Status Report – 2nd Half as on 31st March,2023 of Integrated Cement Plant of 6.0 MTPA in two phases (each of 3 MTPA) & Captive Power Plant of capacity 60 MW & 30 MW at village Bankur, Tehsil Chittapur, Dist. Kalaburagi (Karnataka) for your kind perusal.

Please acknowledge receipt of the same.

Thanking you,

Yours faithfully,

For Jaypee Cement Corporation Limited



(Rajiv Goel)
Authorised Signatory

Encl : 2 Nos. Annexures (total 14 pages)

Copy to : The Scientist E & Incharge, Zonal Office, CPCB, Bangalore
: The Chairman, KSPCB, Bangalore
: The Regional Officer, KSPCB, Gulbarga

JCCL/JSCP/MoEF/KSPCB/ 2023-24/

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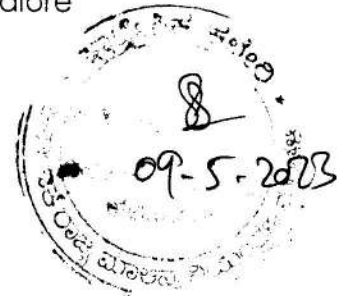


(Rajiv Goel)
Authorised Signatory



Encl : 2 Nos. Annexures (total 4 pages)

Copy to : The Scientist E & Incharge, Zonal Office, CPCB, Bangalore
: The Chairman, KSPCB, Bangalore
: The Regional Officer, KSPCB, Gulbarga



Name of Project: Jaypee Cement Corporation Limited - Integrated Cement Plant of 6 MTPA
in two phases (3 MTPA each) with 30 MW CPP-Phase-I, and 60 MW CPP Phase-II
at Village Bankur, Tehsil Chittapur, Dist. Gulbarga, Karnataka
Clearance letter No. : J-11011/541/2010-IA. II (I) DATED 16.12.2011 Period of Compliance Report: October 2022 To March 2023

Proposal No:IA/KA/IND/5553/2011
Category: Industrial Projects-1

PARA – 11A

Sl.No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
i	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. The limit of PM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. ESP to Clinker Cooler, captive power plant; Bag house to raw mill/kiln and bag filters to coal mill etc. shall be installed to control the particulate emissions.	Complied. Continuous stack monitoring systems are installed. ESP installed in CPP & Bag house to Cement mill to control limit of PM within 30 mg/Nm ³ . <i>Cement Grinding unit is not in operation since Nov 2015 and CPP is under shutdown from June 2016</i>
ii	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler and a feasibility report shall be prepared and submitted to the ministry and it's Regional Office at Bangalore within 3 months from the date of issue of the letter.	Complied. Letter reg. utilization of gases generated from the kiln and waste heat recovery boiler submitted to Scientist- F, MoEF & copy to Bangalore office vide Let. No 06 dtd 14-02-2014
iii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 November, 2009 shall be followed.	Complied. Ambient air quality monitoring of PM 10, PM 2.5 and SO ₂ , NO _x carried out on monthly basis and reports are submitted to RO KSPCB, Gulbarga. Note – The Ambient Air Quality monitoring was not carried out for reporting period As our plant is shut down from 2016.
iv	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/Code of Practice issued by the CPCB in this regard should be followed.	Secondary fugitive emissions is maintained within the prescribed limits, as per guideline/code of practice of CPCB. Water sprinkling is carried out & Concrete roads are being made.
v	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. Company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	All the vehicles involved in transportation of raw materials and end product are transported in bulkers & covered vehicles and regularly being monitored for emissions. Separate truck parking area is available.
vi	Fly ash shall be utilized as per Fly Ash Notification 1999 subsequently amended in 2009. Fly ash shall be stored in ash silo & 100% used in the cement manufacturing.	Maximum quantity is used in manufacturing Cement (PPC). Surplus flyash is given to nearby cement plants, flyash brick manufacturers through closed containers.
vii	Water requirement shall not exceed 6000 M ³ /Day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be	Water requirement is well within the sanctioned limit, water consumption report is being sent to RO, KSPCB on monthly basis the treated waste water is recycled and reused. Plant operates on

Name of Project: Jaypee Cement Corporation Limited - Integrated Cement Plant of 6 MTPA in two phases (3 MTPA each) with 30 MW CPP-Phase-I, and 60 MW CPP Phase-II at Village Bankur, Tehsil Chittapur, Dist. Gulbarga, Karnataka

Proposal No:IA/KA/IND/5553/2011
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Clearance letter No. : J-11011/541/2010-IA. II (I) DATED 16.12.2011 Period of Compliance Report: October 2022 To March 2023

	discharged outside the factory premises and "zero" discharge should be adopted.	zero discharge philosophy.
viii	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Being complied by Rain water harvesting pits. Old mine pits are used as water reservoir for storage of rain water.
ix	Regular monitoring of influent and effluent surface water, sub surface water and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Board or described under the environment (protection) act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the ministry's regional office at Bangalore, SPCB & CPCB.	Water test reports of the surface water are submitted monthly to RO KSPCB. The plant operates on zero discharge philosophy.
x	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/reprocessors.	Necessary provisions are made in the design of the plant to recycle and re-use the dust in the process. Spent oil generation is very less and being consumed in the boiler of power plant. Batteries shall be sold to authorized re-cyclers/re-processors.
xi	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	Fly ash shall be used to manufacture PPC. Based on availability of high grade limestone, low grade lime stone shall be used for blending to manufacture clinker.
xii	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly.	Feasibility of using high calorific hazardous waste shall be explored after installing & commissioning cement kiln.
xiii	As proposed Green belt shall be developed in at 33% area in and around the cement plant as per CPCB guidelines to mitigate the efforts of air emissions in consultation with local DFO.	Green belt is being developed in phased manner. . Total area of plantation is more than 33%.
xiv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement Plants shall be implemented.	Accepted. The applicable CREP recommendations shall be implemented.
xv	Occupational safety & health hazard management plan so that such exposure can be kept within permissible exposure level so as to protect health of workers shall be submitted to the Ministry's Regional Office at Bangalore within three months.	Medical checkups are arranged periodically.
xvi	All the commitments made to the public during the Public Hearing/Public consultation meeting held on 25 th May, 2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bangalore.	The commitments made during public hearing will be satisfactorily implemented and a separate budget shall be allocated. The same has been submitted to the Regional Office vide letter No JCCL/JCCP/ KSPCB/ 2013/ dtd 20-11-2013.
xvii	At least 5% of the Total Cost of the Project shall be earmarked towards the Enterprise	An action plan for proposed social commitment based on public

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Proposal No:IA/KA/IND/5553/2011
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	Social Commitment based on Public hearing issues and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner.	hearing has been prepared and submitted to the Regional Office vide letter No JCCL/ JCCP/ KSPCB/ 2013/ dtd 20-11-2013.
xviii	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. Presently no construction work is progressing
xix	The company shall submit within three months their policy towards Corporate Social Responsibility which should inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or administrative order of the company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of noncompliance/violation of environmental norms to the board of Directors of the Company and/or stakeholders.	CSR policy, Hierarchical System and system of ensuring compliances and reporting of non-compliance/violence of Environmental Norms is attached as-(Annexure 1)

PARA - 11B

Sl.No.	GENERAL CONDITIONS	STATUS
i	The Project authority shall adhere to the stipulations made by Karnataka State Pollution Control Board (KSPCB) and State Government.	Shall be complied.
ii	No further expansion or modification of the Plant shall be carried out without prior approval of this Ministry	Agreed.
iii	At least four Ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of PM10, SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB/CPCB once in six months.	Being complied. Ambient air quality monitoring work assigned to NABL approved Laboratory for carrying out measurements as desired on regular basis. Reports are being submitted to RO Gulbarga.
iv	Industrial wastewater shall be properly collected and treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Complied. Waste water after treatment is used for plantation



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v	The overall noise levels in and around the plant area shall be kept well within the standards 85 dBA by providing noise control measures including acoustic hoods, silencers , enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dB A day time and 70 dB A night time.	Noted- Plant is not operational since 2016,
vi	Proper housekeeping and adequate occupational health programs shall be taken up. Occupational Health Surveillance program shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and septum analysis test once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Shall be complied
vii	The company shall undertake eco-development measures including community welfare measures in the project area.	Conceptual note on eco-development measures including community welfare is attached - (Annexure 2)
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP	Shall be complied
ix	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executives.	Shall be complied.
x	Adequate fund shall be allocated to implement the conditions stipulated by the ministry of environment & Forest as well as the state government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Shall be complied
xi	The regional office of this ministry/ CPCB/KSPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the Officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Agreed
xii	The project proponent shall also submit six monthly reports on status of the compliance to stipulated environmental conditions including results of monitored data (hard & soft copy) to regional office of MoEF, the respective zonal office of CPCB and the KSPCB. The Regional Office of this ministry at Bangalore/CPCB/SPCB shall monitor the stipulated conditions.	Six monthly reports on status of the compliance have been submitted regularly to R.O. MoEF&CC including results of monitored data (hard & soft copy). Compliance status reports have been submitted regularly to zonal office of CPCB and KSPCB.
xiii	Project authorities shall inform the regional office at Bangalore as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Dates- Financial closure is 05-08-2011, Final approval 26-05-2012 and date of start of land development work 30-05-2012

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Clearance letter No. : J-11011/541/2010-IA. II (I) DATED 16.12.2011 Period of Compliance Report: October 2022 To March 2023

Sl.No.	GENERAL CONDITIONS	STATUS
xiv	No change in mining technology and scope of working shall be made without prior approval of the ministry of Environment and forests. No change in calendar plan including excavation, quantum of limestone and waste shall be made.	There will be no change in mining technology other than described in Mining Plan approved by IBM and its copy submitted to MoEF&CC, New Delhi and RO MoEF&CC, Bangalore.
xv	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear plug/muffs.	Shall be complied.
xvi	Industrial Waste water (Workshop and waste water from the mine) shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422(E) dated 19 th May 1993 and 31 st December, 1993 or as amended from time to time. Oil & grease trap shall be installed before discharge of workshop effluents.	Shall be complied
xvii	Personnel working in dusty areas shall wear protective devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Shall be complied
xviii	The project authorities shall inform to the regional office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Dates- Financial closure is 05-08-2011, Final approval 26-05-2012 and date of start of land development work 30-05-2012
xix	A copy of clearance letter shall be marked to concerned panchayat / local NGO, if any from whom suggestion / representation, if any was received while processing the proposal	Already complied. Submitted to Shahabad Municipality along with necessary fees.
xx	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the Local NGO if any from whom suggestions representations if any were received while processing the proposal. The clearance letter shall also put up on the website of the company by the proponent.	Already complied
xxi	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned within seven days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Karnataka State Pollution Control Board and also at website of the Ministry of	Already complied (Two News paper advertisements in English Daily "Deccan Herald" and Kannada Daily "Vijay Karnataka" dtd 22-11-2011)

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	Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional office of this Ministry.	
xxii	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned state Pollution Control board as prescribed under Environment (Protection) rules 1986 as amended subsequently shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional office of the MoEF by email	The Environmental Statement for the financial year 2022-23 sent to SPCB vide letter no JCCL/JSCP/MoEF/KSPCB/2023 Dated 06/04/2023 submitted on 10.04.2023.Copy attached. (Form -V).
12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted & Agreed
13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in time bound manner shall implement these conditions	Noted & Agreed
14	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 Waste (Management, Handling and transboundary movement) Rules, 2008 and the Public (Insurance) Liability act 1991 along with their amendment and the rules	Noted & Agreed



**JAYPEE CEMENT CORPORATION LIMITED
SHAHABAD**

Annexure-I

**SYSTEM OF ENSURING COMPLIANCES AND REPORTING OF NON-
COMPLIANCE/ VIOLATION OF ENVIRONMENTAL NORMS**

At all units of Jaypee Cement, the **Environment Management Cell (EMC)**, headed by Vice President/General Manager and supported by a well equipped Environmental Monitoring Laboratory is having qualified & well experienced team of Environmental Engineers/ Scientists. EMC is responsible for the day to day activities related to the monitoring of environmental parameters, compliances of general and specific conditions of Environmental Clearance, maintaining records, data compilation and analysis, obtaining consents, authorization and other statutory permissions of Hazardous Wastes, ground water withdrawal etc. Any non-compliance/ violation of the environment norms are immediately reported to the unit Head, who is directly responsible to the compliances as per the law.

For the internal surveillance of the compliances and to provide technical support in resolving the environmental issues, the company adopts two tier approach, one at Zonal Level and other at the Corporate level to ensure that the units conform to the environmental standards and all other compliances, prescribed by the SPCB/ MoEF/ CPCB.

In case, any minor violation of advisory nature is observed during inspection by the SPCB/CPCB/ MoEF official(s) and communicated in writing to the plant, it will immediately be reported to the Unit Head and will be rectified through concerned departmental head. In case of major non compliance/ violation of the environmental norms or any Notice/ Direction under Section 31 A of the Air (Prevention and Control of Pollution) Act 1981 under Section 33 A of the Water (Prevention and Control of Pollution) Act 1974 under Section 5 of the Environment (Protection) Act 1986 received, is immediately reported by the Head, EMC to the Unit Head, Zonal Environmental Head, President/ Head Corporate Environment group. President / Head Corporate Environment group reports this matter to the Managing Director, Executive Chairman and to the Board of Directors of the Company. He is fully responsible for the implementation of all the decisions of the Board, related to the statutory compliances to the environmental regulation and overall improvement of the green image of corporate environment.



Jaypee Cement
Corporation Ltd.
Shahabad Karnataka

Unit Head
Naveen Kr Singh

Environment
Management
Cell

Joint President
Manjunath
Prabhu

Dy. General Manager
Amarendra Kamat

HOD CPP
Suneel Bhagat

HOD Cement Mill
A Kamat

I/C Civil
Rajiv Goel

I/C Mechanical
Sagar Subedar

I/C Electrical
Munna Sah

I/C Instrumentn
Mohan Chavan

I/C Civil
Rajiv Goel

I/C Mechanical
B Vishwakarma

I/C Electrical
Sandipan Poste

I/C Instrumentation
Mohan Chavan

I/C Environment Lab
G G Dixit

I/C pollution
Control Facility
G G Dixit

I/C Stores
R Sure

I/C Utility & Green
Belt
Rajiv Goel



ECO DEVELOPMENT MEASURES TAKEN BY JAYPEE SHAHABAD CEMENT PLANT

Jaypee group believes that harmony between the man and his environment is the prime essence of healthy life and living. The sustenance of our ecological balance is therefore of paramount importance. The Group recognizes its joint responsibility with the Government and the Citizens to protect and preserve the environment.

Practicing the principle of "Inclusive Growth", following eco-development measures are being implemented at various stages of implementation

1. SOIL CONSERVATION

Entire cement plant has been constructed on infertile land outside the reserved forest. For construction of plant and facilities in no case top fertile soil has been scarified. Rocky terrain had been leveled off for foundations for P& M, Offices & Buildings without any extraneous matter, with the help of excavator /grader only.

2. GREEN BELT DEVELOPMENT.

The Company is raising plantation in an area of 45 acre in plant boundary area in a phased manner which is 34% of the total land belonging to the project. Plantation is being developed in following manner:

Sl.No.	Form of Plantation	Description
i	Strip plantation	All around the project boundary 3 rows of saplings planted to form a greenbelt, Preference is given to fast growing species including locally dominant species such as Teak, Dubai, Neem, Shirsh, Chiddi, Amla, Sitafal, Jamun, Badam, etc.
ii	Avenue plantation	Parks of township, admin. Building, temple area, either side of internal roads
iii	Block plantation	Waste lands around facilities being developed

Greenbelt development in the form of above described manner will serve following purposes:

- Increase in fresh Oxygen supply and
- Acting as carbon sink thereby combating global warming through reduction in CO₂ emissions.
- Improving microclimate, contributing to cooling effect and improve green cover in the surrounding areas improving QOL (Quality of Life) with increase in lung space and promoting healthy lifestyle.

Additionally these tree groves will reduce soil erosion, help in enhancing groundwater recharge and create a sound barrier between plant and surrounding areas.

3. WATER CONSERVATION

To put least thrust on natural sources of Water, Company is adopting best possible approaches to conserve water, which can be witnessed as:

**Jaypee Cement Corporation Limited
Shahabad**

Annexure - 2

- i. Construction of STP to maintain **Zero Waste Water Discharge**- all type of treated water will be utilized for specific purposes like plantation, dust suppression etc.
- ii. Installation of air cooled condenser for CPP, in place of conventional large size Cooling towers.
- iii. Implementation of Rain water harvesting proposed for Township & Plant area.

4. SOLID WASTE MANAGEMENT

Following strategy is being implemented to handle solid waste of all kinds either it may be hazardous or non-hazardous:

- Practicing principle of 2 'R's i.e. Reduce & Reuse
- All the waste will be segregated on the basis on degradability/recyclability, than accordingly they will be disposed. Bio degradable waste from township & plant area will be composted and the manure will be used for horticulture purpose.
- All the hazardous waste will be disposed through the authorized recyclers.
- Maximum possible utilization of Fly ash in production of PPC.

5. USE OF ALTERNATIVE FUEL

- Provision is made for use of PET Coke in the Cement Production, which is otherwise waste end product for refineries
- Provision of combustion of hazardous waste in the kiln design

6. ENERGY CONSERVATION

- Use of CFL in all building and offices
- Installation energy star rated ACs for offices and load centers
- Use of VFD in place of conventional one
- 6-stage pre heater itself is energy saving effort
- Utilization of hot air gases released from kiln
- Installation of VRMs for cement grinding, raw mill & coal mill

7. SOCIO-ECONOMIC BENEFITS

A Development of any kind is said to be biased, if its benefits doesn't passes to rock bottom strata of the society. In this regard JCCL has contributed in following manner:

- Indirect employment to entrepreneurs
- Direct employment to local residents
- Growth of local market in terms of consumables(Domestic & Industrial)
- Fulfilling CSR& commitment made during public hearing.
- Preference to local people for employment.
- Rise in living standards



6th April, 2023

JCCL/JSCP/MoEF/KSPCB/ 2023/

The Regional Officer
Karnataka State Pollution Control Board,
Gulbarga

**Sub : Submission of Environmental statement (Form -V) for the financial year ended on
31st March,2023**

**Ref : 1. EC MoEF letter No.J-11011/541/2010-1A-II(i) dated 16.12.2011
2. Combined consent order No. aw 334464/PCB ID 10456 dated 19.11.2022**

Dear Sir,

With reference to the above, please find enclosed herewith Environmental statement
(Form -V) for the financial year ended on 31st March,2023 for your information
and records please.

Thanking you,

Yours faithfully,

For Jaypee Cement Corporation Limited



(Rajiv Goel)
Authorised Signatory

Encl : As above.



ENVIRONMENTAL STATEMENT FORM-V**(SEE RULE 14)**Environmental Statement for the financial year ending with 31st March, 2023**PART – A**

- i. Name and address of the owner/ : **Shri Naveen Kumar Singh**
Occupier of the industry **Director Incharge**
Operation or Process **Jaypee Cement Corporation Ltd.**
Shahabad

- ii. Industry category Primary-(STC code) Secondary – (STC code)

- iii. Production category :

Sl.No.	Product	Unit of measurement	Quantity
1.	Cement	Millions tons per Annum	2.4 (installed capacity)
2.	Ele power	MW	60 (installed capacity)

- iv. Year of establishment : May 2012

- v. Date of the last environmental statement : 09.05.2022
Submitted.

PART – B

Water and Raw Material Consumption: (Permitted by KSPCB)

- i. Water consumption in M³/d
Process : 5710
Cooling : 700
Domestic : 290

Name of products	Process water consumption per unit of products	
	During the previous financial year 2021-22	During the current financial year 2022-23
Cement	0	0
Ele power	0	0

- ii. Raw material consumption:

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During previous f.y 2021-22	During the current f.y 2022-23
Clinker	Cement	0	0
Flyash		0	0
Gypsum		0	0
Coal	Ele power	0	0

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output
(parameter as specified in the consent issued)

(a) Water

Pollutants	Qty of pollutants discharged (mass/day)	Quantity of pollutants discharged (mass/volume)	Tolerance limit specified by KSPCB (mass/Vol)	Percentage of variation from prescribed standards with reasons.
pH	0	0	5.5 to 9	Plant under shut down since June 2016.
Suspended solids max.	0	0	100mg/l	
Oil & Grease	0	0	10	
Temp	0	0	Max 5°C higher than intake temp	
Dissolved solids (inorganic)	0	0	2100 mg / l max.	
Chlorides (As Cl)	0	0	1000mg/l max	
Dissolved phosphates (As P)	0	0	5 mg/ l max	
Sulphate (As SO ₄)	0	0	1000 mg/l max.	

(b) Air

Pollutants	Qty of pollutants discharged (mass/day)	Quantity of pollutants discharged (mass/volume)	Tolerance limit specified by KSPCB (mass/Vol)	Percentage of variation from prescribed standards with reasons.
PM	0	0	30	Plant under shut down since June 2016.
SO ₂	0	0	100	
NO _x	0	0	600	

PART D

Hazardous wastes

(As specified under Hazardous Wastes (Management & Handling Rules, 1989))

Hazardous wastes	Total quantity (Kg)	
	During the previous financial year 2021-22	During the current F.Y 2022-23
From process		
Used oil	0	0
From pollution control facilities	0	0

PART-E

SOLID WASTES

Solid wastes	Total quantity (Kg)	
	During the previous financial year 2021-22	During the current F.Y 2022-23
From process		
Bottom Ash	0	0
Fly Ash	0	0
Sludge	0	0
From Pollution control facilities	0	0

PART-F

Please specify the characteristics (in terms of concentration and quantum of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Following **hazardous waste** from the plant are disposed in safe manner, according recommended practices without any nuisance to environment.

SI No	Name	Quantity per year	Storage & transport	Disposal method
1	Used Oil	0		
2	Used lead acid batteries	0		

2. Other **solid wastes** are disposed in scientific manner to maintain clean and hygienic environment inside the plant and colony area.

SI No	Name	Quantity per year	Storage & transport	Disposal method
1	Bottom Ash	0		
2	Fly ash	0		
3	Sludge	0		
4	Metal/ Wood/paper	0		
5	Garbage	8 T	Dust bins in colony area	Garbage is collected by Notified area Committee.

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

One of the important technology installed in the Captive Power plant is "Air Cooled Condensers" in place of the conventional water cooled condensers. Due to this there is saving in water consumption to the tune of 5000 m³/day.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution.

PART-I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

Date : 06.04.2023
Place: Shahabad


Rajiv Goel
DGM (P&A)

