

Ref: OCL/ENV/2025-26/1099

Date: 22.05.2025

To
Director-IA Division,
Ministry of Environment, Forests & Climate Change,
Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003.

Respected Sir,

Sub: All EC compliance report of **M/S. Orient Cement Ltd, Green field Cement Plant (Clinker 2.1125 MTPA & Cement 3.0 MTPA)** at Chittapur, Kalaburagi District-Reg.

Ref no 1: F. No. J-11011/342/2011-IA-II (I) Dated on 11.03.2013.

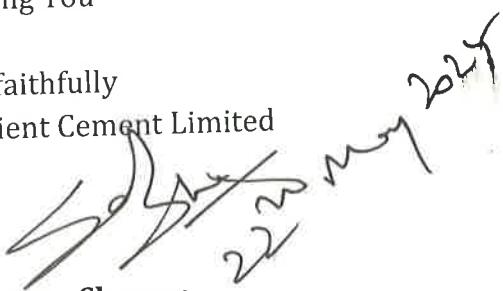
2. Consent order no. AW-339129 Dated on 23.08.2023

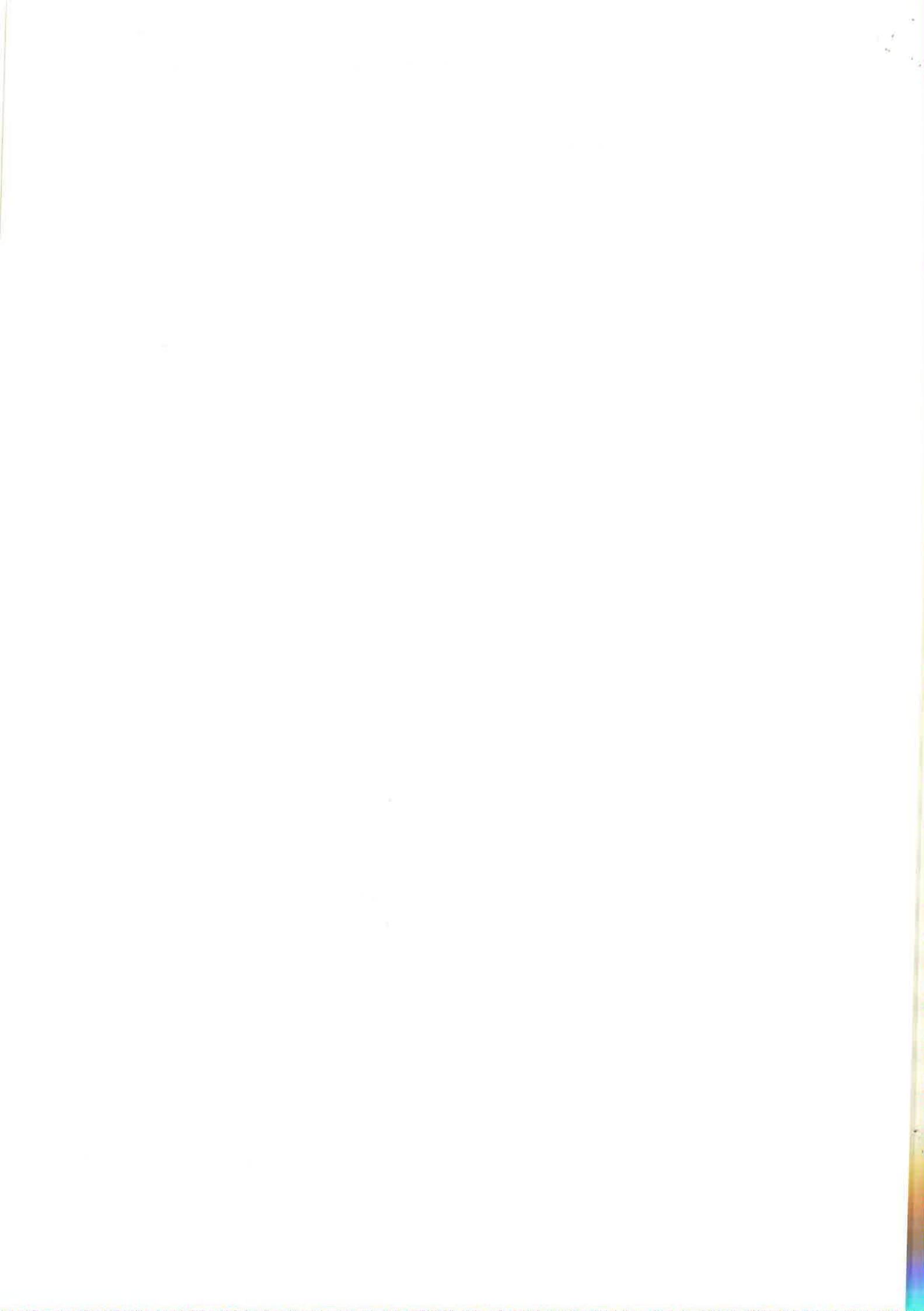
As mentioned in the above cited subject & vide Ref-(1) of our EC condition, M/s Orient Cement Ltd, is hereby submitting your good self the point wise half yearly EC **compliance of Plant** uploaded & submitted online in Parviesh portal of MoEF for the period **October-2024 to March-2025**.

Kindly consider the compliance report & oblige.

Thanking You

Yours faithfully
For Orient Cement Limited


Satyabrata Sharma
President-Manufacturing & Unit Head



Cc:

1. The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate change,
4th Floor, E & F Wing, Kendriya Sedan
Koramangala, Bangalore-560 034
2. Secretary to Government
Department of Ecology & Environment
Government of Karnataka
7th floor, Multistoried Building,
Bangalore 560001
3. Chairman,
Central Pollution Control Board,
Parivesh Bhawan, CBD-cum-Office Complex,
East Arjun Nagar,
New Delhi – 110 032
4. The Member Secretary,
Karnataka State Pollution Control Board,
49, 4th & 5th floor,
Parisara Bhavana,
Church Street,
Bangalore – 560 001
5. Environmental officer,
Karnataka State Pollution Control Board
Regional office, Kalaburgi,
Plot No. 12/2, Sy. No:19/P,
Mansafdar Layout, M.G Road,
Santraswadi, Kalaburgi-585 101



**Half Yearly Compliance Report
2024
01 Jun(01 Oct - 31 Mar)**

Acknowledgement

Proposal Name	Proposed Cement Plant (Clinker-2MTPA, Cement-3MTPA) and Captive Power plant (50 MW) at villages Itgi and Digaon in taluk Chittapur, District Gulbarga in Karnataka		
Name of Entity / Corporate Office	Orient Cement Ltd, Chittapur, Karnataka		
Village(s)	N/A		
District	KALABURAGI		
Proposal No.	IA/KA/IND/4371/2012	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	KARNATAKA	Entity's PAN	*****5420A
MoEF File No.	J-11011/342/2011-IA-II (I)	Entity name as per PAN	ORIENT CEMENT LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Orient Cement Ltd, Chittapur, Karnataka
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	Project Area as per EC Granted	Actual Project Area in Possession
Private	266	266
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	266	266

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Captive Power	MW	30/06/2026	50	121727	50
2	Cement	Million Tons per Annum (MTPA)	30/06/2026	3.0	2.682	3.0
3	Clinker	Million Tons per Annum (MTPA)	30/06/2026	2.0	2.11209	2.1125
4	Waste Heat Recovery System	MW	30/06/2026	-	26106.4	14

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Date:
1	AIR QUALITY MONITORING AND PRESERVATION	Continuous Stack Monitoring facilities to monitor gaseous emission from the process stacks shall be provided. After expansion, limit of PM shall be controlled within 50mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO _x burners should be provided to control NO _x emissions.	21/05/2025
2	ENERGY PRESERVATION MEASURES	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and submitted to the Ministry and its Regional Office at Bangalore within 3 months from the date of issue of the letter.	
3	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R No. 826(E) dated 16th November, 2009 shall be followed.	21/05/2025

<p>PPs Submission: Complied</p> <p>A Feasibility study report has been done; report has been submitted to the Ministry. Obtained CFO for Power generation from WHRB vide KSPCB authorization number AW-339622 dated 14/09/2023 and valid till 30/06/2026. After obtaining CFO, Power generation from WHRB has been started and running successfully. The Avg measured AAQ levels at 4 locations for the period are attached in Annexure-I</p>		
4	AIR QUALITY MONITORING AND PRESERVATION	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
5	AIR QUALITY MONITORING AND PRESERVATION	As and Hg shall be monitored in emissions, ambient air and water.
6	AIR QUALITY MONITORING AND PRESERVATION	The Coal yard shall be lined and covered
7	AIR QUALITY MONITORING AND PRESERVATION	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. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.
8	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement for cement and captive power plant shall not exceed 3500m ³ /day. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated waste water shall be recycled and reused in the process and/or for dust suppression and greenbelt development and other plant related activities etc., No process wastewater shall be discharged outside the

		factory premises and 'zero' discharge should be adopted	
9	WATER QUALITY MONITORING AND PRESERVATION	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	Date: 21/05/2025
10	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the state Pollution Control Board or described under the Environment (protection) act, 1986 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 and CPCB	Date: 21/05/2025
11	WASTE MANAGEMENT	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 only.	Date: 21/05/2025
12	WASTE MANAGEMENT	All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended in 2003 and 2009. Efforts should be made to use fly ash maximum in making Pozzolana Portland Cement (PPC).	Date: 21/05/2025

being used in manufacturing Portland Pozzolana cement (PPC).

13 WASTE MANAGEMENT

Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.

PPs Submission: Complied

All efforts are being put to use low-grade lime, more fly ash, and solid waste in the production of cement. 100 percent of the fly ash/bottom Ash generated from the captive power plants is being used in manufacturing Portland Pozzolana cement (PPC).

Date:
21/05/2025

14

GREENBELT

As proposed, green belt shall be developed in at least 33 percent area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.

PPs Submission: Complied

M/s OCL is constantly working in the development of green belt, A plantation plan has been prepared and saplings are planted accordingly in a phase wise manner, till now OCL has planted 3,47,115 nos of sapling till the end of March-2025 to mitigate the effects of air emissions.

Date:
21/05/2025

15

Corporate Environmental Responsibility

All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.

PPs Submission: Complied

Orient Cement is strictly following the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).

Date:
21/05/2025

16

PUBLIC HEARING

All the commitments made to the public during the Public Hearing /Public Consultation meeting held on 18th July, 2012 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.

PPs Submission: Complied

The commitments made to the public during the Public Hearing /Public Consultation meeting held on 18th July, 2012 are being implemented and a separate budget for implementing the same has been allocated. M/s Orient Cement Limited is carrying out the R and R activities in and around the villages of Cement plant on priority basis depending upon the requirement of villages in discussion with local administration, total commitment towards Corporate Social Responsibility is Rs. 7397.17 Lakhs. Out of the total commitment, we have spent Rs. Rs. 6223.25229Lakh as on March-2025 and out of which, Rs. 815.13619 Lakhs for the period October-2024 to March-2025 and we will spend the balance amount by September-2028. The commitments made and being fulfilled by M/s Orient Cement Ltd are as in Attachment-III.

Date:
22/05/2025

17

Corporate Environmental Responsibility

At least 5 percent of the total cost of the project shall be earmarked towards the Enterprise 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.

PPs Submission: Complied

5 percent of the total cost of the project is already earmarked towards the Enterprise Social Commitment and time bound action plan has already been prepared. M/s Orient Cement Limited is carrying out the R and R activities in and around the villages of Cement plant on priority basis depending upon the requirement of villages in discussion with local administration, total commitment towards Corporate Social Responsibility is Rs. 7397.17 Lakhs. Out of the total commitment, we have spent Rs. Rs. 6223.25229 Lakh as on March-2025 and out of which, Rs. 815.13619 Lakhs for the period October-2024 to March-2025 and we will spend the balance amount

Date:
22/05/2025

by September-2028.

18

PUBLIC HEARING

The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet 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: Complied

The company is providing housing for construction labour within the site with all necessary infrastructure and facilities.

Date:
22/05/2025

19

WASTE MANAGEMENT

An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.

PPs Submission: Complied

An effort is being made to use high calorific hazardous waste in the cement kiln. OCL has attained the authorisation for co-processing of high calorific Hazardous and Other waste in cement kiln vide Authorization number 332388: PCB ID-28067 dated 20.07.2022 valid till 30/06/2026. All necessary provisions or infrastructure facilities is being made accordingly. The hazardous waste is being co-processed in the cement kiln and the detail of the co-processed waste is being submitted to KSPCB office on monthly basis and annual basis. Annual returns of Hazardous waste in Form-IV has been submitted to KSPCB regional office and Bangalore office vide our letter no Ref: OCL/ENV/2025-26/1093 dated 14/05/2025. Monthly Returns in Form-3 submitted vide our letter no: - OCL/ENV/2025-26/1066 dated 04/04/2025.

Date:
22/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details	
1	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board and the State Government.	
		PPs Submission: Complied Agreed. All the stipulation made by KSPCB and the State Government are being strictly adhered.	Date: 22/05/2025
2	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the MOEF	
		PPs Submission: Complied Agreed. No further expansion or modifications in the plant will be carried out without prior, approval of the MOEF.	Date: 22/05/2025
3	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB / CPCB once in six months.	

PPs Submission: Complied

Ambient air quality monitoring stations have been established in the specified directions and monitoring is being carried out regularly. Data reports of the same are being submitted to SPCB/CPCB as per the consent condition. Data reports of stack emission and ambient air monitoring report are being regularly submitted to KSPCB. The recently submitted report is vide our letter no: OCL/ENV /2025-26/1076 dated 12/04/2025. Ambient Air Quality Monitoring Levels for

Date:
22/05/2025

the period October-2024 to March-2025 attached as Annexure-I

4	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	
5	PPs Submission: Complied Condition is being followed. Effluent generated from the power plant is properly treated in ETP. Treated wastewater is used for dust suppression on haulage roads. The Avg effluent monitoring data from ETP outlet for the period October-2024 to March-2025 is pH 8.0, BOD 61.30 mg/L, TSS 34.70 mg/L, Oil and Grease 7.30 mg/L, Ammonia-0.20 mg/L, Cyanide as CN-ND.	Date: 22/05/2025	
6	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time).	
7	PPs Submission: Complied All necessary noise control measures including acoustic hoods, silencers, enclosures etc. on all the sources of noise generation are in place and properly maintained. Workplace noise level survey is conducted on regular basis to identify areas with high noise levels. Corrective/preventive actions are taken if the noise levels exceed the permissible limits as stipulated in the EP/Factories act. Workers employed in high noise area are provided with proper PPEs and their exposure to noise is controlled within the permissible limits. Average Ambient Noise Level Monitoring Report- Plant for the period October-2024 to March-2025 in Day Time is Near Power Plant- 66.70 Leq dB(A), Near Coal Yard- 65.80 Leq dB(A), Near Water Reservoir- 63.50 Leq dB(A), Near Main Gate- 67.80 Leq dB(A). Average Ambient Noise Level Monitoring Report- Plant for the period October-2024 to March-2025 in Night Time is Near Power Plant- 60.50 Leq dB(A), Near Coal Yard- 61.20 Leq dB(A), Near Water Reservoir- 59.90 Leq dB(A), Near Main Gate- 64.20 Leq dB(A).	Date: 22/05/2025	
8	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	
7	PPs Submission: Complied Condition is noted and complied. Occupational health check-up is carried out once in a year for the employees working in high dust and high noise area. Health monitoring and measurement records of individual employee are maintained. 1. Around 103 no.s of Eye Examination for the Drivers, Locomotive operators completed. 2. Medical examination for Food Handlers of canteen workers carried out in the month of April 2024 to September 2024. Total 41- employees check-up has been carried out. 3. Preplacement medical Examination for employees, workmen has carried out for 196 no.s. 4. Around 1778 no.s of Pre-Medical examination has been carried out for workmen,contract workmen-163members.	Date: 22/05/2025	
7	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	
8	PPs Submission: Complied A water reservoir of capacity 5, 60, 000 Cubic meters has been developed to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	Date: 22/05/2025	
8	MISCELLANEOUS	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	

PPs Submission: Complied

The company has undertaken various schemes aimed at community development and village upliftment in the project area. The environmental protection measures and safeguard as enhanced in the EIA/EMP such as green belt development, monitoring of AAQ, installation of pollution control Equipment, Rainwater harvesting conservation of Flora and Fauna, GHG mitigation (like using fly ash, hazardous waste) etc. are being complied. M/s. OCL is contributing to the socio-Economic development of the nearby villages in the following means. 1. Promoting Sports activities in Schools by providing quality sports material. 2. Providing water Facility to surrounding villages during summer season by hiring tankers. 3. Support to Physically Challenged persons by providing need based equipments. 4. Agricultural Activities like Drip and Sprinkle Irrigation equipments are being provided, so that the dependency on monsoons which are irregular be reduced. 5. Distribution of Sewing machines to needy participants.

Environmental Expenditure towards Environment protection made as on 31st March 2025 and the CSR-R and R Expenses for the period October-2024 to March-2025 is attached as Annexure-VI

Date:
22/05/2025

9

Corporate Environmental Responsibility

Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bangalore. The funds so provided shall not be diverted for any other purpose.

PPs Submission: Complied

Statement of expenditure on Environment Management is being submitted at the end of financial year in Form-V. The funds so provided will not be diverted for any other purpose. Environment Expenditure made as on 31st March 2025 is attached as Annexure-V

Date:
22/05/2025

10

MISCELLANEOUS

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 suggestion / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.

PPs Submission: Complied

The copy of Environment Clearance has been sent to concern as desired. Environment Clearance letter also updated in company website.

Date:
22/05/2025

11

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 shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bangalore. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

PPs Submission: Complied

Condition is noted and will be complied. Six monthly compliance reports in respect of post Environment Clearance are being submitted timely in hard copies and Soft Copy to the concerned regulatory authorities. Soft Copy of all EC compliance report of Plant for the period April-2024 to September-2024 was uploaded in PARIVESH portal dated 31-11-2024 was sent via mail dated 03-12-2024 12:34 PM and hard copy was submitted vide our letter no OCL/ENV/2024-25/1005 dated 03/12/2024. Copies of these reports as well as the annual environment statement as submitted to the KSPCB, are being uploaded in our company website for public viewing in compliance to the Ministry circular dated 30.06.2009

Date:
22/05/2025

12	MISCELLANEOUS	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by email) to the regional office of the MOEF, the respective zonal office of CPCB and the SPCB. The regional office of this Ministry at Bangalore /CPCB / SPCB shall monitor the stipulated conditions.	
	PPs Submission: Complied	Six monthly compliance reports in respect of post Environment Clearance are being submitted timely in hard copies and Soft Copy to the concerned regulatory authorities. Soft Copy of all EC compliance report of Plant for the period April-2024 to September-2024 was uploaded in PARIVESH portal dated 31-11-2024 was sent via mail dated 03-12-2024 12:34 PM and hard copy was submitted vide our letter no OCL/ENV/2024-25/1005 dated 03/12/2024.	Date: 22/05/2025
13	MISCELLANEOUS	The environmental statement for each financial year ending 31st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the web site of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bangalore by E-mail.	
	PPs Submission: Complied	The environmental statement for each financial year ending 31st March in Form V is being submitted to the concerned State Pollution Control Board. Recent Environment statement for financial year 2023 - 2024 has been submitted to the concerned authorities Vide our letter no Ref: OCL/ENV/2024-25/971 dated 25/09/2024	Date: 22/05/2025
14	MISCELLANEOUS	The project proponent shall also Inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, atleast in two local news papers that are widely circulated in the region of which one shall be in the Vernacular language of the locality concerned and copy of the same should be forwarded to the Regional office at Bangalore.	
	PPs Submission: Complied	Complied. The public was informed about the grant of environment clearance through and advertisement in the local newspaper on 17.03.2013 in Prajavani and Sanyukta Karnataka and in English newspaper on 18.03.2013 in Deccan Herald and clippings have been submitted to the regional office of the MoEF immediately after the grant of Environment Clearance.	Date: 22/05/2025
15	MISCELLANEOUS	Project authorities shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	
	PPs Submission: Complied	The date of financial closure and date of commencing land development work were already informed to the regional office Bangalore and ministry.	Date: 22/05/2025

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 - I

Specific condition no. 2

The Avg measured AAQ levels at 4 locations for the period **October 2024 – March 2025** are:

2024-25	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NOx µg/m ³	CO mg/m ³
Near Main Gate	73.5	23.2	12.0	12.2	0.8
Near Coal Yard	69.4	21.1	11.6	11.9	69.4
Near Dispatch Gate	74.2	22.0	11.6	11.7	74.2
Near CPP Plant	68.2	20.7	11.4	12.2	68.9

ANNEXURE – II

Sl. No.	Corporate Responsibility for Environmental Protection (CREP)	Compliance to CREP
1	Cement plants which are not complying* with notified standards shall do the following to meet the standards. Augmentation of existing Air pollution control devices- by July 2003. Replacement of existing air pollution control devices- by July 2004. (* Noncomplying units shall give bank guarantee to respective SPCBs)	Current status: In order to meet the new emission norms Orient Cement has already Installed Bag House for Cement Kiln and efficient ESP's for Cooler & CPP stack to meet the Stipulated standards.
2	Cement plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December, 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Current status: Orient cement is maintaining the emission level of particulate matter less than 30 mg/Nm ³ and is not exceeding the limit prescribed by KSPCB.
3	The new cement kilns to be accorded NOC / Environmental clearance w. e. f. 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	Current status: As per the CFO issued by KSPCB the limits for particulate matter emissions is 30 mg/Nm ³ but Orient cement is maintaining the emission levels less than 30 mg/Nm ³ .
4	CPCB will evolve load-based standards by Dec. 2003.	Current status: Recently MoEF & CC has released a new notification on load-based standards on 10 th May 2016, for cement plants with co-processing, as per this notification Orient Cement is taking all the necessary measures to maintain the particulate matter emission less than 0.125 Kg/ton of Clinker.
5	CPCB & NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	Current status: As per the new notification for SO ₂ and NO _x standards in Power plant & Cement plant issued by MoEF & CC Vide S.O 3305 E dated 7 th Dec 2015 & Vide GSR 612 (E) dated 25 th August 2014. NO _x standards in power plant issued by MOEF & CC vide GSR.662(E) dated 19th October 2020 Orient Cement has taken necessary measures for reduction of SO ₂ in power plant by installing a limestone dosing system with Coal. Whereas SO ₂ in Cement plant has no issues and we are maintaining it well within the specified limit. NO_x emission: -Power plant is already complying to the stipulated standards of 450mg/Nm ³ , whereas Cement plant has installed SNCR System with an approximate cost of Rs.5

		Crores, by which the reduction in NOx levels are achieved and the values are within the specified limit of 600 mg/Nm ³
6	The Cement industries will Control fugitive emissions from all the raw material and products storage and transfer points by Dec. 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	<p>Current status: To control fugitive emissions from limestone and coal storage yards, Orient cement will abide by the decision of NTF. However closed sheds are provided for limestone & coal stockpiles in order to Control fugitive emissions.</p> <ul style="list-style-type: none"> • Additional 99 small bag filters are installed at various transfer points for controlling fugitive emissions. • Water sprinkling arrangements have been carried out to reduce fugitive emission. • Concrete roads are developed inside the plant premises to reduce fugitive dust emissions during plying of vehicles.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	<p>Orient Cement will abide by the policy on usage of petroleum coke as fuel in cement kiln, jointly prepared by CPCB, NCBM, BIS and Oil refineries.</p> <p>M/s OCL has attained the permission for usage of Pet coke in cement kiln vide no PCE /277/HPI/2018/2023/1121 dated 03rd June 2023 & Valid till 30/06/2026.</p> <p>Authorization number 332386: PCB ID-28067 dated 20.07.2022 valid till 30/06/2026.</p>
8	After performance evaluation of various types of continuous monitoring equipment and feedback from industries and equipment manufacturers, NTF will decide feasible unit-operations / sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	<p>Current status: M/s. Orient Cement has already installed five numbers of online continuous Monitoring systems at all major stacks and the data is connected to CPCB Server, New Delhi and KSPCB server, Bengaluru.</p>
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	<p>Current status: Orient Cement has installed 04 Bag House in order to eradicate tripping. If required Orient Cement will take all the necessary measures further as recommended by NTF.</p>
10	Industries will submit the target date to enhance the utilization of waste material by April 2003.	<p>Current status: Orient Cement is utilizing 100 % of its Fly ash generated from Captive Power Plant during the period October-2024 to March-2025 for Manufacturing of Pozzolana Portland Cement.</p> <p>In addition to this Orient cement is utilizing fly ash from other industries like RTPS, ADANI, NTPC, PARLI, JSW, STPP, KTPP, KHAMAM TPP etc.,</p>

		<p>The report of the same is being submitted to KSPCB on quarterly basis. The recent report submitted is vide letter no Ref: OCL/ENV /2025-26/1075 Date: 12/04/2025</p>
11	NCBM will carry out feasibility study on hazardous waste utilization in cement kiln by December 2003.	<p>Current status: In order to utilize hazardous waste in Cement Kiln, M/s.OCL has attained the authorisation for co-processing of high calorific Hazardous & Other waste in cement kiln vide Authorization number 332386: PCB ID 28067 dated 20.07.2022 valid till 30/06/2026.</p> <p>The hazardous waste is being co-processed in the cement kiln and the detail of the co-processed waste is being submitted to KSPCB office on monthly basis.</p>
12	Cement industry will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	<p>Current status: Captive Power Plant of consented capacity 45 MW for co-generation of power is installed in Orient cement from which the generated power is utilized in Cement plant for manufacturing of cement. In case of any Excess generation of Power, the power is exported to KPTCL.</p>

ANNEXURE - III

The following commitments were made & are being fulfilled by M/s Orient Cement Ltd:-

S.N	Commitments	Remarks/Status																																																						
1	We purchase highly advanced and sophisticated machinery for establishing cement plant and pollution control equipment to comply with the world standards	OCL has adhered to its commitment & has Purchased highly advanced and sophisticated machinery for establishing cement plant and pollution control equipment (ESP, Bag Houses & Bag Filters) to comply with the world standards.																																																						
2	We also maintain & comply with the corporate social responsibility activities in and around the areas of the cement plant	M/s Orient Cement Limited is carrying out the R & R activities in and around the villages of Cement plant on priority basis depending upon the requirement of villages in discussion with local administration, total commitment towards Corporate Social Responsibility is Rs. 7397.17 Lakhs. Out of the total commitment, we have spent Rs. 6223.25229 Lakh as on March -2025 and out of which, Rs. 815.13619 Lakhs for the period October -2024 to March -2025 and we will spend balance amount by September-2028.																																																						
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3	<p>We give preference to local residents for the employment and other relevant jobs. About 70 % of job will be reserved for the local people.</p>	<p>As committed OCL has given preference to local residents for the employment and other relevant jobs, the detail of employment is as follows:-</p> <table border="1" data-bbox="722 377 1246 758"> <thead> <tr> <th rowspan="2">Particulars</th><th colspan="4">Group</th></tr> <tr> <th>A</th><th>B</th><th>C</th><th>D</th></tr> </thead> <tbody> <tr> <td>Total No. of Employees</td><td>32</td><td>153</td><td>664</td><td>514</td></tr> <tr> <td>No of Kannadigas</td><td>20</td><td>124</td><td>664</td><td>514</td></tr> <tr> <td>Non-Kannadigas</td><td>12</td><td>29</td><td>0</td><td>0</td></tr> <tr> <td>Percentage of Kannadigas</td><td>63%</td><td>81%</td><td>100%</td><td>100%</td></tr> </tbody> </table>	Particulars	Group				A	B	C	D	Total No. of Employees	32	153	664	514	No of Kannadigas	20	124	664	514	Non-Kannadigas	12	29	0	0	Percentage of Kannadigas	63%	81%	100%	100%
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4	<p>We will provide quality education both kannada & English medium to the children of the nearby villages so that they can be deployed in various jobs of the Company directly or indirectly.</p>	<p>Quality education to the children of the nearby villages & staff is being provided. The school at our campus is one of the best CBSE School in the region with competent teaching staff, best infrastructure and latest teaching aids including smart classes.</p> <p>Initially, the School has been started with classes from LKG to Class VI and every year one class were increased respectively. At present academic year 2024-25 up to class X is there.</p> <p>The school is being managed by a highly reputed Institution DAV Public School in the name of DAV Orient Gyan Mandir. In total 329 students admitted to school out of which 110 students are from nearby villages.</p>																													
5	<p>We will provide good roads, hospitals for the inhabitants of the village. We will send vehicles/ambulances to the villages and villagers who cannot come to the hospitals, will be brought and given medical aid facilities</p>	<p>As Committed M/s OCL has provided CC Road & Drains with Approach Main Road at Several villages (Itaga village, Diggoan, Mogla & Maragol village).</p> <p>Presently OCL is operating with 10 Bedded HCF for staff, workers & Inhabitants of the surrounding villages.</p> <p>Company owned Ambulance facility is already provided as and when required for the inhabitants of the villages, who cannot come to the hospitals on their own for getting medical aid facilities.</p>																													
6	<p>We will contribute to the socio-Economic development of the nearby villages.</p>	<p>OCL is contributing to the socio-Economic development of the nearby villages in the following means.</p> <ol style="list-style-type: none"> Promoting Sports activities in Schools by providing quality sports material. Providing water Facility to surrounding villages during summer season by hiring tankers. Support to Physically Challenged persons by providing need based equipments. 																													

		<p>4. Agricultural Activities Drip and Sprinkle Irrigation equipments are being provided so that the dependency on monsoons which are irregular be reduced.</p> <p>Distribution of Sewing machines to needy participants.</p>																					
7	We will also extend all cooperation/assistance to the social organizations/NGOs for the development of the society	<p>M/s. OCL is extending its full support / cooperation/assistance to the social organizations/NGO's for the development of the society.</p>																					
8	Controlled blasting to be done for minimizing vibrations and tremors	<p>Blasting operations are carried out only during the daytime.</p> <p>For ground vibration control we have adopted and implemented a method of Conventional blasting using high explosives and ANFO with use of millisecond delay/NONEL to prevent the fly rocks, noise and to reduce ground vibration. Rock breaker is used instead of secondary blasting.</p>																					
9	A detailed CSR activities were drawn including Education, infrastructure welfare schemes and other activities and accordingly CSR activity will be taken up	<p>M/s Orient Cement Limited is carrying out the R & R activities in and around the villages of Cement plant on priority basis depending upon the requirement of villages in discussion with local administration, total commitment towards Corporate Social Responsibility is Rs. 7397.17 Lakhs. Out of the total commitment, we have spent Rs. 6223.25229 Lakh as on March-2025 and out of which, Rs. 815.13619 Lakhs for the period October-2024 to March-2025 and we will spend the balance amount by September-2028.</p>																					
10	Plantation of trees in factory & nearby areas to maintain adequate green belt	<p>OCL has taken up green belt development plan by planting approximately 3,43,208 saplings as on September- 2024. The following species are being used for plantation: Pongemia, Badam, thaspesia, Sisha Piniya ,Acacia, Neem, Tamarind, Honge trees, Eucalyptus, Ashok, Peeple tree, Hercules fermc, Gilmore tree, Subabul tree, Hatti tree, Concorpus(Dubai Tree) Feltoform, Bamboo, matti, alstonia, keshiaseema, keshiya-java, mango, kaaljamun, alma, gauva, cesalpinnia, and Others.</p>																					
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2013-14	25000	-	-	25000	50%	12500																	
2014-15	25000	-	-	25000	50%	12500																	

		2015-16	30000	1220	-	31220	70%	21854
		2016-17	49000	4780	-	53780	66%	35700
		2017-18	21266	3159		24425	75%	18476
		2018-19	13631	3963	15233	32827	80%	26261
		2019-20	10799	4279	24446	39524	80%	31620
		2020-21	4862	6726	13280	24868	72%	17905
		2021-22	3258	3871	6875	14004	48%	6722
		2022-23	774	2490	13436	16547	60%	9928
		2023-24	16182	17480	3671	37333	42%	15680
		2024-25	2190	11099	9298	22587	85%	19199
		Total:	201962	58914	86239	347115	67%	227486

ANNEXURE - IV

CSR-R&R Expenses for the period October-2024 to March-2025

S no	Expenses Booked	Amount
Q3		
1	Infrastructure development in the villages.	777,476
2	Education	24536,214
3	Hygiene and sanitation	123,074
4	Health	1,334,702
5	Livelihood Promotion and Capability building	-
6	Heritage, Culture etc. (Local folk art promotions etc.)	20,584,100
7	Programme administration monitoring and Evaluation	1,539,166
	Q3 Total	48,894,732
Q4		
1	Infrastructure development in the villages.	--
2	Education	29,226,594
3	Hygiene and sanitation	-
4	Health	1,761,815
5	Programme administration monitoring and Evaluation	1,630,478
	Q4 Total	32,618,887
	Q3 & Q4 Total	8,15,13,619



ANNEXURE - V

Environmental Expenditure as on 31.03.2025

ASSET DESCRIPTION	Amount	Amount in Lakhs
DUST SUPPRESSION SYSTEM	43,58,474	43.58
BAG FILTER & ESP FOR STACKS	33,54,39,089	3,354.39
CPP - RCC CHIMEY	2,87,14,293	287.14
WATER RESERVOIR	25,87,57,199	2,587.57
WATER TREATMENT PLANT	12,85,41,299	1,285.41
SEWAGE TREATMENT PLANT	7,28,00,825	728.01
ROAD & DRAIN	50,14,63,605	5,014.64
GREEN BELT DEVELOPMENT	53,48,720	53.49
FLY ASH SILO & HANDLING SYSTEM	12,89,16,613	1,289.17
EFFLUENT TREATMENT PLANT & DM PLANT	3,60,66,506	360.67
CPP - ELECTROSTATIC PRECIPITATOR	10,77,18,110	1,077.18
CPP ASH HANDLING SYSTEM	3,98,25,799	398.26
COMPLETE BURNER ASSEMBLY	1,17,15,390	117.15
AMBIENT AIR QUALITY MONITORING	2,20,13,783	220.14
SNCR FOR NOX REDUCTION	3,03,21,259	303.21
AMMONIA SLIP SENSOR STACK APPLICATION	17,80,000	17.80
MEDIA CONVERT - LIQUID AFR SYSTEM	2,54,471	2.54
NEUTRON SURVEY METER	4,25,000	4.25
UT PUMP	13,03,410	13.03
WASTE SEGREGATION YARD	4,55,406	4.55
SHREDDER FOR AGRO WASTE AFR	3,47,913	3.48
BUCKET ELEV.FEEDING ARRG & SHED FOR AFR	18,89,931	18.90
RAIN WATER HARVESTING	12,03,438	12.03
COLONY LADIES TOILETS	2,12,400	2.12
TRUCK PARKING YARD	5,60,08,531	560.09
SUBMERSIBLE PUMP 100HP/750KV	17,52,250	17.52
HERO ECO FRIENDLY ELECTRIC BIKE	89,890	0.90
CHEMICAL STORAGE ROOM - CPP	894521.4	8.95
LADIES TOILETS STORES	249034	2.49
LADIES TOILETS CPP	249035	2.49
BUND OF 5MTR HIGHT MINES BOUNDARY	666580	6.67
ELECTRIC BIKE-KA32 HB1976 (IT DEPT)	83,190	0.83
Covering Shed Rice Husk- Plastic Waste Phas	1,64,42,266.59	164.42
Toilets Construction @ Worker Colong	18,10,434.59	18.10
Hero Electric Bike KA32 HC3758 (QC)	95,470.00	0.95
Hero Electric Bike KA32 HC3755 (Dispatch)	95,470.00	0.95
Hero Electric Bike KA32 (CPP)	95,470.00	0.95
Hero Electric Bike KA32 (Electrical)	95,470.00	0.95
AFR-RDF Feeding System For PH Calciner	2,26,66,349.11	226.66
Fly Ash Rake Unloading System	21,58,14,297.24	2,158.14
Load Centre Fly Ash Rake Unloading System	3,61,52,813.43	361.53
Fly Ash Rake Unloading System Silo	5,20,80,198.82	520.80
Yane Anemometer -Da400	73,990.00	0.74
Weather Monitoring Station	1,52,400.00	1.52
Water Can Cleaning Machine	1,35,000.00	1.35
Spraying Machine Battery Operated Agri Mart	4,375.00	0.04
Piaggio Apee - FX Electric 3 Wheeler	3,87,450.00	3.87
Retrofit Emission Control Device For 500 Kva	26,52,575.00	26.53
Retrofit Emission Control Device For 600 Kva	13,39,000.00	13.39
Hero Electric Bike - Ka33 Ed8656	1,20,000.00	1.20
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Dell Pc'S For Aaqms Stations And Cems	7,36,451.00	7.36
Hero Electrical Bike (Mechanical)	1,23,007.98	1.23
Hero Electrical Bike (Mechanical)	1,23,007.98	1.23
Hero Electrical Bike (Instrumentation)	1,23,007.98	1.23
Hero Electrical Bike (Hospital)	1,23,007.98	1.23
Cems Windows 11 System - Dell Optiplex - 7020	74,688.00	0.75
Chetak Blue 2903 (Dav School)	1,20,928.00	1.21
Chetak Blue 2903 (Laisonng Dept)	1,20,928.00	1.21
Total	2,13,18,64,022.11	21,318.64

ANNEXURE - VI

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ASSET DESCRIPTION	Amount	Amount in Lakhs
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CSR-R&R Expenses for the period October-2024 to March-2025

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4	Health	1,334,702
5	Livelihood Promotion and Capability building	-
6	Heritage, Culture etc. (Local folk art promotions etc.)	20,584,100
7	Programme administration monitoring and Evaluation	1,539,166
	Q3 Total	48,894,732
Q4		
1	Infrastructure development in the villages.	--
2	Education	29,226,594
3	Hygiene and sanitation	-
4	Health	1,761,815
5	Programme administration monitoring and Evaluation	1,630,478
	Q4 Total	32,618,887
	Q3 & Q4 Total	8,15,13,619