

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	ORCEM/9,17.03.2007
Compliance ID	114557446
Compliance Number(For Tracking)	EC/M/COMPLIANCE/114557446/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	15-05-2025
RO/SRO Name	V Geroge Jenner
RO/SRO Email	tr025@ifs.nic.in
State	TELANGANA
RO/SRO Office Address	Integrated Regional Offices, Hyderabad
Note:- SMS and E-Mail has been sent to V Geroge Jenner, TELANGANA with Notification to Project Proponent.	

ORCEM/DVP/ENV/
10th May 2025

To,
Inspector General of Forests (Central),
Ministry of Environment, Forest and Climate Change,
Sub - Office, Hyderabad
6th Floor, Aranya Bhawan, Opp. RBI,
Saifabad – 500004, Hyderabad, Telangana.
lro.hyderabad-mefcc@gov.in

Sub: Half-Yearly Compliance Report for Environmental Clearance of Expansion of Cement Plant (Cement 3,600 to 8,900 TPD and Clinker 5,550 to 10,600 TPD) and installation of Captive Power Plant (50 MW) by M/s Orient Cement Limited at Devapur (V), Kasipet (M), Mancherial (Dist.,) Telangana for the period of October 2024 to March 2025 - Reg.

Ref: Environment Clearance F. No. J-11011/266/2007-IA.II(I) Dated 06th September 2007.

Dear Sir,

Reference with the Environmental Clearance cited above, we are herewith uploaded half yearly compliance report for the period of October 2024 to March 2025 in PARIVESH 2.0 for our Expansion of Cement Plant (Cement 3,600 to 8,900 TPD and Clinker 5,550 to 10,600 TPD) and installation of Captive Power Plant (50 MW) at Devapur (V), Mancherial (Dist.,) Telangana.

This is for your information & records please.

Thanking you,

Yours faithfully

For Orient Cement Limited


Bala Giridhar
Sr. Vice President (Works) & Unit Head

Encl: A/a

Copy:

1. The Regional Director, Central Pollution Control Board, Regional Directorate (South), Nisarga Bhawan, 1st Floor, 7th D Cross, Thimmaiah Road, Shivanagar, Bengaluru - 560079, Karnataka.
2. Environmental Engineer, Telangana Pollution Control Board, Regional Office, H. No. 6-2-166/A, 1st Floor, Subhash Nagar, Nizamabad – 503002, Telangana.

Orient Cement Limited

Devapur Plant : PO Devapur Cement Works, Adilabad (District), Telangana 504218, India.

+91 8736 240709 Fax : +91 8736 240522

Registered Office : Unit VIII, Plot No.7, Bhoingar, Bhubaneshwar, Odisha 751012, India www.orientcement.com

CIN No : L26940OR2011PLC013933

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

Acknowledgement

Proposal Name	Expansion of Cement Plant (Cement 3600 to 8900 TPD and Clinker 5550 to 10600 TPD) and Installation of Captive Power Plant (50 MW) at Devapur Village, Kasipet Mandal, Mancherial District.		
Name of Entity / Corporate Office	Orient Cement Limited		
Village(s)	N/A		
District	MANCHERIAL		
Proposal No.	ORCEM/9,17.03.2007	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	TELANGANA	Entity's PAN	*****5420A
MoEF File No.	J-11011/266/2007-IA II (I)	Entity name as per PAN	ORIENT CEMENT LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Existing Industry. Status of the industry is operational.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Orient Cement Limited	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	425.89	425.89
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	425.89	425.89

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Clinker	Million Tons per Annum (MTPA)	30/06/2027	3.5	2.002	3.5
2	Cement	Million Tons per Annum (MTPA)	30/06/2027	3.07	1.701	3.07
3	Electricity	MW	30/06/2027	50	169077	50

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	On-line continuous stack monitoring facilities for all the stacks and adequate air pollution control systems shall be provided to keep emission levels below 50 mg/Nm ³ and data submitted to the APPCB and CPCB regularly. ESP to kiln / raw mill, clinker and CPP shall be provided to control air emissions.
PPs Submission: Complied On-line Continuous Stack Monitoring facilities (CEMS) were provided for all stacks attached to Raw Mills and Kilns, Coolers, Coal Mills, Cement Mills and Captive Power Plant. All the CEMS are connected to TGPCB and CPCB servers. Particulate Matter emissions from all the stacks of Cement Plant and CPP are well within the prescribed standards of 30 and 50 mg/Nm ³ respectively. Air Pollution Control Devices were provided to all the process stacks to control PM emissions well below the standards.		Date: 09/05/2025
2	WATER QUALITY MONITORING AND PRESERVATION	Total Water requirement from the reservoir of abandoned mine pit shall not exceed 1,895 m ³ /day. No water from other surface or ground water sources shall be used. All the treated wastewaters shall be recycled and reused in the process and/or for ash quenching, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and ZERO discharge shall be adopted. Treated domestic effluent shall be used for green belt development within the plant premises.
PPs Submission: Complied This EC is for capacity expansion of Clinker from 5500 TPD to 10600 TPD and Cement from 3600 TPD to 8900 TPD. Thus, the water requirement indicated in the condition is for the expansion part of the project. The same was explicitly mentioned in the EIA report. As advised in the condition, we are meeting this additional water requirement through the mine pit only. Water consumed from Mines pit for the CPP and Plant operations is within the 1895 m ³ /day. The plant is a modern dry process unit and CPP with air cooled condensers (ACC). Zero liquid discharge is adopted. Domestic wastewater from colony is being treated in STP and utilized completely for greenbelt development. Effluents generated from captive power plants are treated and used for dust suppression within the premises.		Date: 09/05/2025
3	WASTE MANAGEMENT	The fly ash from the power plant shall be stored in silos and pneumatically transferred to the cement plant and used in the process itself for manufacturing Pozollona Portland Cement (PPC). Bottom ash shall be disposed off in abandoned mines or utilized in road making or given to brick kiln manufacturers. All the cement dust collected from pollution control devices shall be recycled and reused

		in the process and used for cement manufacturing. Sludge from domestic sources shall be used as manure for green belt development. Waste oil shall be sold to authorized recyclers/re-processors only.
PPs Submission: Complied Fly ash from the Power Plant is being conveyed pneumatically to cement plant and utilized for manufacturing of PPC grade cement. Bottom ash is being utilized in filling of low laying areas and internal road making. Dust collected from Air Pollution Control Equipment viz. RABH, Bag House, ESPs, Bag Filter etc., are being recycled back into the process. Sludge from STP is used as manure for plantation in colony. Used oil is disposed to authorized recyclers.		Date: 09/05/2025
4	WASTE MANAGEMENT	High calorific value hazardous waste shall be utilized in the cement kiln from Ranga Reddy, Medak and Patancheru Districts.
PPs Submission: Complied High calorific value hazardous waste and non-hazardous wastes (Rice husk, Cotton stalk, Black carbon, etc.) sourced from Telangana and other states are being co-processed in our cement kilns. Hazardous waste about 212.17 MT was co-processed for the period FY25.		Date: 09/05/2025
5	GREENBELT	Out of total 425.89 acre, green belt shall be developed in 216.09 acres (51 percentage) as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
PPs Submission: Complied Greenbelt developed about 57.7 percentage of the total area. Local and native species are being planted for better growth. The Local Plant Species are: Kanuga (Pongamia pinnata), Nidra Ganneru, Dirisena (Samanea saman), Neem, Vepa (Azadirachta indica), Gulmohar (Delonix regia), Subabul (Leucaena leucocephala), Mango (Mangifera indica), Burugu (Bombax ceiba), Chinduga (Albizia chinensis), Neeruddi (Dolichandrone atrovirens), Devakanchanam (Bauhinia variegata).		Date: 09/05/2025
6	Human Health Environment	Regular annual medical examination of all the employees shall be carried out from the occupational health point of view and records should be maintained.
PPs Submission: Complied Periodical Medical Examination is being carried out for all the employees as well as contract workmen at our OHC. Medical examinations were conducted from 03/02/2025 to 13/02/2025. Records of the medical examinations are being maintained at our Occupational Health Centre.		Date: 09/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authority shall adhere to the stipulations made by A.P. Pollution Control Board (APPCB) and State Government.
PPs Submission: Complied Obtained Consent for Establishment (CFE) in 2007 from Telangana Pollution Control Board (SPCB) erstwhile APPCB. Obtained Consent for Operation and Hazardous Waste Authorization (CFO and HWA) from TGPCB and valid up to 30.06.2027. Conditions stipulated in the above orders are complied with and followed.		Date: 09/05/2025
2	Statutory compliance	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
PPs Submission: Complied Further expansion or modification of the plant will be carried out only after obtaining the approval from the MOEFCC.		Date: 09/05/2025

3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the A.P. Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed APPCB limit. Interlocking facility shall be provided in the pollution control equipment, so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.
PPs Submission: Complied Installed adequate Air Pollution Control equipment like RABH, High Efficiency Bag filters and ESP to control and achieve the particulate matter emission standards prescribed by TGPCB. Gaseous emissions (SO ₂ and NO _x) are well below the prescribed standards by TGPCB. Interlocking facility was provided to Pollution Control Equipment so that in the event of failure of Pollution Control Equipment, the respective equipment (s) will be shutdown/feed cut automatically.		Date: 09/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	One Ambient Air Quality Monitoring Station shall be installed in a downwind direction. Ambient air quality, including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of Ambient Air Quality and Stack Emissions shall be carried out regularly in consultation with APPCB and report submitted to the TSPCB quarterly and to the Ministry Regional Office at Bangalore half-yearly.
PPs Submission: Complied Manual or fixed ambient air quality monitoring is being carried out at 4 nos of locations on a monthly basis through third party M/s Lawn Enviro Associates, Hyderabad. Continuous ambient air quality monitoring stations (CAAQMS) installed and connected to TGPCB server. Reports of the AAQ are submitted regularly to TGPCB and half yearly to MOEF IRO Hyderabad along with compliance report.		Date: 09/05/2025
5	AIR QUALITY MONITORING AND PRESERVATION	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas, etc. Asphaltting/concreting of road and water spray all around the stockyard and loading / unloading areas shall be carried out to control fugitive emissions. Covered sheds for storage of raw materials and pneumatic conveying system for fly ash and bed ash for conveying ash from boiler shall be provided. Coal, cement, fly ash and clinker shall be stored in silos.
PPs Submission: Complied Installed adequate dust collection and extraction systems to control fugitive emissions. About 115 plus nos of bag filters were installed at various material transfer points, silo tops, raw material unloading area and packing plant area. Cement Concrete roads are laid and regular water sprinkling and Road sweeping machine with in-built vacuum cleaner is being engaged to control fugitive emissions. All the raw materials are being stored and handled under covered sheds. Fly ash handling through pneumatic system. All material transfer conveyors are covered with GI sheets. Cement and fly ash is being stored in Silos and Clinker is stored in CSP and Silos to avoid the fugitive dust generation. A dedicated water tanker has been deployed for spraying water on roads to control fugitive dust. Fugitive emission monitoring data is being submitted to MOEFCC IRO at Hyderabad on a half yearly basis along with compliance report.		Date: 09/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	Secondary fugitive emissions shall be controlled and regularly monitored as per guidelines issued by the CPCB.
PPs Submission: Complied Secondary fugitive emissions are being controlled and monitored as per the CPCB guidelines. The following are fugitive control measures adopted. All transfer points and storage silos are provided		Date: 09/05/2025

		with dust collection and extraction systems for effective control of fugitive emissions. Closed Sheds are constructed for all the raw materials storage and handling. Fly ash is being handled through a pneumatic system. Road sweeping machines are deployed and ensure good housekeeping for controlling secondary fugitive dust emissions. Regular water spray is being carried out. Fugitive emission monitoring data is being submitted to MOEFCC IRO at Hyderabad on a half yearly basis along with compliance report.	
7	WATER QUALITY MONITORING AND PRESERVATION	The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	
PPs Submission: Complied Rainwater is stored in mine abandoned reservoir, and it is utilized for various activities in the plant thus reducing the consumption of fresh water. The rooftop rainwater harvesting system developed in the colony, small bunds have been constructed to harvest the rainwater to improve the ground water levels.			Date: 09/05/2025
8	Corporate Environmental Responsibility	The company shall undertake eco-development measures including community welfare measures in the project area.	
PPs Submission: Complied Various eco development and community welfare schemes are being adopted for the development of the surrounding village people and area under CSR. Education: Running DAV school and providing quality education to local people. Health: Providing free healthcare facilities for the surrounding people at our OHC with qualified doctors. Ambulance and medicine facilities are also provided. Infrastructure Development such as Roads, bus shelters and drinking water supply.			Date: 09/05/2025
9	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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) 70 dBA (night time).	
PPs Submission: Complied Overall noise levels in and around the plant area are maintained well below the prescribed standards by providing acoustic enclosures and hoods to various noise generating areas such as compressors, mills, and fans. Ambient noise levels are being monitored and the noise levels are below 75 dB (A) daytime and 70 dB(A) nighttime. Work zone and ambient noise levels are being monitored through third party on monthly basis.			Date: 09/05/2025
10	Corporate Environmental Responsibility	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	
PPs Submission: Complied Recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plant are being implemented.			Date: 09/05/2025
11	MISCELLANEOUS	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	
PPs Submission: Complied Environmental management cell is in place with qualified personnel to carry out various environmental management and monitoring activities under the control of senior executive. 1. Mr. Satyabrata Sharma, (President Manufacturing), Head Office 2. Mr. Bala Giridhar, (Sr. VP and Unit Head) 3. Mr. Srinivasa Raju, (VP Sustainability and EHS), Head Office 4. Mr. T Shekar Reddy, (Manager, Environment) 5. Mr. MVN Chary, (Officer, Environment).			Date: 09/05/2025

12	Human Health Environment	As proposed in EIA/EMP, Rs. 24.50 Crores and Rs.1.86 Crores earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures shall be suitably used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
PPs Submission: Complied Funds earmarked towards environmental pollution control measures and implementation of the conditions stipulated by the MOEFCC are incurred without being transferred to any other purposes. Recurring expenditure of an amount of Rs. 960.84 Lakhs and Capita expenditure of 169.22 Lakhs incurred towards Environmental Protection Measures for the reporting period of FY2024-25.		Date: 15/05/2025
13	Statutory compliance	The Regional Office of this Ministry at Bangalore / CPCB / APPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
PPs Submission: Complied Six monthly compliance reports and the monitored data are being uploaded to PARIVESH portal and are being submitted to MOEFCC IRO at Hyderabad, CPCB RD at Bangalore and TSPCB RO at Nizamabad. The latest half yearly compliance report for the period October 2023 to March 2024 was submitted/uploaded in the month of May 2024. Director from IRO Hyderabad (SRO) monitored the compliance status of the conditions on 27th and 28th of March 2024. Full cooperation was extended to the inspection officers.		Date: 15/05/2025
14	Statutory compliance	The 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 project work was completed in the month of August 2010 and the plant has been under operation since 2010. Details of the same are being submitted in EC compliance report.		Date: 09/05/2025
15	MISCELLANEOUS	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the A.P. Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.
PPs Submission: Complied An advertisement has been published in the following two local newspapers on 11.09.2007. Deccan Chronical - English, Eenadu - Telugu		Date: 09/05/2025
16	MISCELLANEOUS	Proper housekeeping and adequate occupational health programmes shall be taken up.
PPs Submission: Complied Good Housekeeping is being maintained at all areas of the plant. Dust bins provided at all the areas for source segregation of waste. Adequate road sweeping machines are being used for cleaning roads. Dedicated water tankers have been deployed for water sprinkling on the road to control fugitive dust. The Occupational Health Surveillance Programme is conducted on a regular basis and records are maintained. The Programme includes a lung function and sputum analysis test once a year.		Date: 09/05/2025

Visit Remarks

Last Site Visit Report Date:

27/03/2024

Additional Remarks:

It is an existing and operational industry. All the conditions are complied and fulfilled. EC was monitored by Director, MOEFCC IRO Hyderabad (SRO) on 27th and 28th March 2024.

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.