

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

Proposal Name	Proposal for setup of 1.2 MTPA Portland Slag Cement (PSC), Portland Pozzolana Cement (PPC) and Ground Granulated Blast Furnace Slag (GGBS) Cement Grinding Unit of M/s JSW Cement Ltd, at Kalinga Nagar Industrial Complex, Danagadi, Dist- Jajpur		
Name of Entity / Corporate Office	JSW Cement Limited		
Village(s)	N/A		
District	JAJAPUR		
Proposal No.	SIA/OR/IND/19604/2015	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	ODISHA	Entity's PAN	NA
MoEF File No.	19604/4-IND/06-2017	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Half Yearly EC Compliance Report from October 2023 to March 2024 for M/s JSW Cement Ltd. at Kalinga Nagar Industrial Complex, Danagadi, Dist- Jajpur
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office JSW Cement Limited

	Project Area as per EC Granted	Annual Project Area in Possession
Private	6.07	6.07
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	6.07	6.07

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Portland Slag Cement(PSC), Portland Pozzolana Cement (PPC), GGBS & Composite Cement	Million Tons per Annum (MTPA)	31/03/2027	1.2	0.683 Million Ton	1.2

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Environmental Clearance is granted as recommended by SEAC considering that they are standalone grinding units.
PPs Submission: Complied Unit is Standalone grinding unit at Kalinga Nagar Industrial Complex, Danagadi, Dist- Jajpur		Date: 31/05/2024
2	MISCELLANEOUS	The Environmental Clearance is granted for cement grinding unit of following production capacity. Product Capacity Portland Slag Cement (PSC) Portland Pozzolana Cement (PPC) Ground Granulated Blast Furnace Slag (GGBS) 1.2 MTPA Portland Composite Cement (PCC)
PPs Submission: Complied Production of cement (PSC/PPC/GGBS/ Composite Cement) has not exceeded the maximum permissible quantity, i.e. 1.2 MTPA. During the year 2020-21 2021-22, 2022-23 & 2023-24 the production remained 0.62 MTPA 0.51 MTPA, 0.55 MTPA & 6.43 MTPA which is less than the permissible quantity of EC and CTO.		Date: 31/05/2024
3	WATER QUALITY MONITORING AND PRESERVATION	Efforts shall be made to make use of harvested rain water.
PPs Submission: Complied Unit has made effort for construction of Roof Top Rain Water Harvesting System having the catchment area of 2584 sq. mtr.		Date: 31/05/2024
4	WASTE MANAGEMENT	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/ re-processors only.
PPs Submission: Complied All the dust collected from air pollution control devices are being recycled & reused in cement manufacturing process. Used/Spent oil, burst Plastic bags & lead acid batteries are sold to OSPCB authorized recyclers/ re-processors only.		Date: 31/05/2024
5	GREENBELT	Green belt over 33% (5.61 acres as proposed) of the total project area shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area and along road sides etc. by planting native and broad leaved species in consultation with local DFO, local community and as per the CPCB guidelines.

<p>PPs Submission: Complied Green belt development is being carried out in phased manner in 33% of project area by planting native/local species in consultation with local DFO, local community and as per CPCB guidelines. We have planted total 5998 numbers of trees on 6.16 acres of land by the end of September 2023 which is more than 40% of greenbelt of total land area.</p>		<p>Date: 31/05/2024</p>
6	ENERGY PRESERVATION MEASURES	The project proponent shall provide solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly. The proponent shall use Solar/ Renewable energy of 5 % of the expected actual power requirement.
<p>PPs Submission: Complied Solar lighting system has been provided in common areas, street lights of plant premises having its total energy saving contribution of approx. 1% We have also got certificate from IEX for procurement of renewable energy to reduce the actual power requirement of 5% for FY 2023-24. The details are given as under: Total Power used from Grid in FY 2023-24 (KWh) 24000000 Green Energy/ Renewable Energy from IEX (KWh) 12,00,000 Total Percentage for using Renewable Energy 5</p>		<p>Date: 31/05/2024</p>
7	ENERGY PRESERVATION MEASURES	The project proponent shall provide LED lights in their offices and residential areas.
<p>PPs Submission: Complied JSW Jajpur has provided LED lights in offices . Residential colony does not exist in unit</p>		<p>Date: 31/05/2024</p>
8	PUBLIC HEARING	All the commitments made during the Public Hearing / Public Consultation meeting held on 03rd May, 2017 shall be satisfactorily implemented and adequate budget provision should be made accordingly.
<p>PPs Submission: Being Complied We have earmarked INR 8 Crore towards ESC/CER and the same shall be spent towards meeting PH commitments.</p>		<p>Date: 31/05/2024</p>
9	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.
<p>PPs Submission: Complied Unit is ensuring CREP compliance applicable to cement plant and all the recommendations have been implemented.</p>		<p>Date: 31/05/2024</p>
10	Corporate Environmental Responsibility	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the SEIAA, Odisha and Regional Office MoEF&CC Bhubaneswar. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the SEIAA, Odisha as well as to the Regional Office MoEF & CC Bhubaneswar.
<p>PPs Submission: Being Complied The details of CSR plan for five years has been shared and INR 8 Crores has been earmarked for Enterprise Social Commitment (ESC). Expenditure incurred towards Social Commitment (ESC) based on Public Hearing issues FY 2023-24 is 6.6 Crore.</p>		<p>Date: 31/05/2024</p>
11	Corporate Environmental	In addition to the above provision of ESC, the proponent shall

	Responsibility	prepare a detailed CSR Plan for the next 5 years including annual physical and financial targets for the project, which includes village-wise, sector-wise (Health, Education, Sanitation, Skill Development and infrastructure etc.) activities in consultation with the local communities and administration. The plan so prepared shall be based on SMART (Specific, Measurable, Achievable, Relevant and Time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included. The CSR plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the plan shall be submitted as part of the Compliance report to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
PPs Submission: Being Complied Detailed CSR Expenditure for the FY 2023-24 is enclosed as Annexure. The details of CSR plan has been uploaded on website https://www.jswcement.in/csr		Date: 31/05/2024
12	Risk Mitigation and Disaster Management	A risk assessment study and Disaster Preparedness and Management Plan along with the mitigation measures shall be prepared with a focus of Disaster Prevention and a copy submitted to SEIAA Odisha, Regional Office MoEF&CC Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter
PPs Submission: Complied Risk assessment study & Disaster Management Plan along with mitigation measures is enclosed as annexure		Date: 31/05/2024
13	Human Health Environment	To educate the workers, all the work places where dust may cause a hazard shall be clearly indicated as a dust exposure area through use of display signs which identifies the hazard and the associated health effects.
PPs Submission: Complied All the dust prone areas are clearly indicated which identifies the hazard and associated health effects in the prominent areas of factory.		Date: 31/05/2024
14	Human Health Environment	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.
PPs Submission: Complied The condition duly complied with during the implementation phase and presently no such type of temporary infrastructure and facilities		Date: 31/05/2024
15	AIR QUALITY MONITORING AND PRESERVATION	The project proponent should install 24X7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to the SEIAA, Odisha and Regional Office MoEF & CC, Bhubaneswar.
PPs Submission: Complied The unit has installed OCEMS for both the major stacks i.e. cement mill & coal mill and 1 No. of CAAQMS for continuous monitoring of ambient air. Data from the OCEMS & CAAQMS is being continuously transmitted to the CPCB/SPCB server. In addition, the monitoring is conducted by		Date: 31/05/2024

third party and analysis report for the same is being submitted to concerned statutory bodies on regular basis.		
16	AIR QUALITY MONITORING AND PRESERVATION	The Standards issued by the MoEF&CC, Govt. of India vide G.S.R. No. 612 (E) dated 25th August 2014 and subsequent amendment dated 9th May 2016 and 10th May 2016 regarding cement plants with respect to particulate matter, SO ₂ & NO _x shall be followed.
<p>PPs Submission: Complied</p> <p>Since, it is a cement grinding unit, monitoring of SO₂ and NO_x are not applicable for this unit; only particulate matter emission standards are applicable to us and we are complying to the same. Apart from that, reports of environmental monitoring carried by NABL accredited laboratory are submitted to concerned statutory bodies on regular basis. Third Party Monitoring Reports are attached as annexure.</p>		Date: 31/05/2024
17	AIR QUALITY MONITORING AND PRESERVATION	Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. Limit of PM shall be controlled to meet prescribed standards by installing adequate air pollution control.
<p>PPs Submission: Complied</p> <p>OCEMS have been installed for both the major stacks (Cement Mill & Coal Mill). As this is a cement grinding unit, only particulate matter emission standards are applicable to us. We have taken various measures for reducing PM levels by installing bag house, bag filters at all the material transfer points as well as stacks. The bag filters are designed for outlet dust emissions <30 mg/Nm³.</p>		Date: 31/05/2024
18	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Standards issued by the MoEF&CC, Govt. of India vide G.S.R. No. 826(E) dated 16th November 2009 shall be followed.
<p>PPs Submission: Complied</p> <p>The National Ambient Air Quality Standards are duly followed. The unit has engaged an NABL and MoEF & CC recognized laboratory for carrying out Ambient Air Quality Monthly. The results of Ambient Air Quality Monitoring carried out for the period October 2023 to March 2024 are mentioned below:</p>		Date: 31/05/2024
19	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 shall be followed.
<p>PPs Submission: Complied</p> <p>Fugitive emission from secondary sources are controlled, monitored and maintained within the prescribed standards. Unit is following the CPCB guidelines for control of fugitive emission. Fugitive emissions are monitored once in a month at regular intervals at Raw Material Storage Yard, Main Gate, CCR Building & Near Weigh Bridge by an NABL and MOEF recognized laboratory & emission value found within the limit. Fugitive Emission Monitoring Data for the Period of Oct 2023 to March 2024 are mentioned below:</p>		Date: 31/05/2024
20	AIR QUALITY MONITORING AND PRESERVATION	All the raw materials shall be stored under covered shed (as proposed) to control fugitive emission.
<p>PPs Submission: Complied</p> <p>Covered sheds with impervious platform have been provided for storage of Clinker, gypsum and coal. Wherein fly ash is directly discharged to fly ash bin from bulker through pneumatic pressure .</p>		Date: 31/05/2024
21	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 by the use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking

		area. Vehicular emissions shall be regularly monitored.
<p>PPs Submission: Complied Closed conveyor belts have been installed in order to control the fugitive emission. Transportation of raw material is being done through closed conveyor belts. Wherever feasible tarpaulin is covered on truck during transportation of raw materials and end products. We have provided a separate truck parking area and vehicular emissions is monitored regularly at main gate of factory.</p>		<p>Date: 31/05/2024</p>
22	WATER QUALITY MONITORING AND PRESERVATION	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 wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.
<p>PPs Submission: Complied Our factory is zero liquid discharge and no waste water is being generated from the manufacturing process. Domestic waste water is being treated in Sewage Treatment Plant and Treated waste water is used for dust suppression/plantation/ gardening purpose.</p>		<p>Date: 31/05/2024</p>
General Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Odisha.
<p>PPs Submission: Complied We are strictly adhering to the stipulations made by Odisha State Pollution Control Board.</p>		<p>Date: 31/05/2024</p>
2	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
<p>PPs Submission: Agreed to Comply Unit will not carry out further expansion or modification without prior approval of the concerned authority.</p>		<p>Date: 31/05/2024</p>
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, PM2.5, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the SEIAA, Odisha, Regional Office, MoEF&CC, Bhubaneswar and the SPCB/CPCB once in six months.
<p>PPs Submission: Complied Four Ambient Air Quality Monitoring stations (04 AAQM) & 1 CAAQMS (Continuous Ambient Air Quality Monitoring System) have been established in downwind direction in consultation with the SPCB. In addition to the above monthly environment monitoring of the ambient air quality is being carried out through NABL accredited laboratory at the four locations in the downwind directions. Reports of the same are being submitted to the concerned statutory bodies on regular basis.</p>		<p>Date: 31/05/2024</p>
4	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB A) 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 (day time) and 70 dBA (night time)

<p>PPs Submission: Complied We have installed acoustic barriers around high noise generations equipment. Regular preventive maintenance of the equipment is performed to minimize the noise generation. Ambient noise level is being maintained within the prescribed norms. Ambient Noise Monitoring is carried out by NABL accredited laboratory and report for the same is submitted to the concerned authority on regular basis</p>		<p>Date: 31/05/2024</p>
5	Human Health Environment	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
<p>PPs Submission: Complied Occupational health Surveillance of the workers & Employees are being carried on regular basis as per Factory act requirement and records are maintained.</p>		<p>Date: 31/05/2024</p>
6	WATER QUALITY MONITORING AND PRESERVATION	The company should develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
<p>PPs Submission: Complied Unit has made effort for construction of Roof Top Rain Water Harvesting System having the catchment area of 2584 sq. mtr.</p>		<p>Date: 31/05/2024</p>
7	Risk Mitigation and Disaster Management	The project proponent should 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.
<p>PPs Submission: Complied Unit has complied all the Environment Protection Measures recommended in EIA / EMP. We will continuously implement various CSR programs as per the CSR plan</p>		<p>Date: 31/05/2024</p>
8	MISCELLANEOUS	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the SEIAA, Odisha as well as the State Pollution Control Board, Odisha. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office, MoEF&CC, Bhubaneswar. The funds so provided shall not be diverted for any other
<p>PPs Submission: Complied Unit has earmarked INR 16.5 Crore towards capital cost of implementation of EMP and pollution control measures. Actual total capital cost incurred is INR 22.086 Crore. For the same INR 0.63 crore incurred towards recurring Cost from Aprl'23 to March'24 for environment protection and pollution control measures. These funds shall not be diverted for any other purpose.</p>		<p>Date: 31/05/2024</p>
9	PUBLIC HEARING	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 be put on the web site of the company by the proponent.
<p>PPs Submission: Complied Unit has sent the copy of our Environment Clearance to concerned panchayat, zila parishad/municipal corporation. Copy of the Environment clearance letter has been uploaded on our company website and can be viewed at the below link: http://www.jswcement.in/wp-content/uploads/EC-Order-1.2-MTPA-Jajpur-17-10-2017.pdf</p>		<p>Date: 31/05/2024</p>

10	Statutory compliance	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 on the MoEF&CC website. It shall simultaneously be sent to the Regional Office of the MoEF&CC at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10 S02, 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 Unit is uploading and regularly updating the compliance report on the company website. The Pollutants parameters (Ambient level) related to grinding units are being monitored & displayed at Main gate of Company in Public Domain. Unit is submitting compliance report along with monitoring data to MoEF & CC, CPCB, & SPCB on six monthly basis, Last six monthly report for the period of April 2023 to September 2023 was submitted on 01/12/2023.		Date: 31/05/2024
11	Statutory compliance	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 e-mail) to the Regional, Office of MoEF&CC, Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of MoEF&CC at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.
PPs Submission: Complied Six monthly compliance reports are submitted to all the concerned regulatory authorities on regular basis as stipulated.		Date: 31/05/2024
12	Statutory compliance	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 website 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&CC at Bhubaneswar by e-mail.
PPs Submission: Being Complied The Environmental Statement for the FY 2022-23 in form of FORM-V has been submitted on 29th Sep 2023		Date: 31/05/2024
13	PUBLIC HEARING	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, Odisha and copy of the clearance letter is available with the SPCB and may also be available in the Website of the SEIAA, Odisha and the Odisha State Pollution Control Board (OSPCB). This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office, MoEF&CC, Bhubaneswar as well as State Pollution Control Board, Odisha.
PPs Submission: Complied We have advertised about grant of Environment Clearance in 2 local newspapers i.e New Indian Express & Pramay which are widely circulated in the region and copy of the same was submitted to Regional office, MoEF&CC.		Date: 31/05/2024
14	MISCELLANEOUS	Project authorities shall inform the SEIAA, Odisha, as well as

		Regional Office, MoEF&CC, Bhubaneswar, 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 Date of financial closure: December 2015 Date of final approval: Final approval from IPICOL on 02-12-2015. Date of commencement of land development work: 16-11-2017.		Date: 31/05/2024
15	MISCELLANEOUS	The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Agreed to Comply Noted and agreed.		Date: 31/05/2024
16	MISCELLANEOUS	The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: Agreed to Comply Noted and agreed.		Date: 31/05/2024
17	MISCELLANEOUS	The applicant will take statutory clearance/approval/permissions from the concerned authorities in respect of the project as and when required.
PPs Submission: Agreed to Comply Noted and agreed.		Date: 31/05/2024
18	Statutory compliance	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
PPs Submission: Agreed to Comply Noted and agreed.		Date: 31/05/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		