


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

Proposal Name	Environment Clearance for the proposed expansion of cement grinding unit from 2.4 to 3.6 MTPA & 2*18 MW CPP at Village - Salboni, District - Paschim Medinipur, West Bengal by M/s. - JSW Cement Limited		
Name of Entity / Corporate Office	M/s. JSW Cement Limited		
Village(s)	N/A		
District	MEDINIPUR  WEST		
Proposal No.	2015/EN/T-II-1/002/2017	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	WEST BENGAL	Entity's PAN	NA
MoEF File No.	2015/EN/T-II-1/002/2017	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Submission of Half Yearly EC Compliance for the period of October 2023 to March 2024 of M/s JSW Cement Limited at Village- Salboni, Dist. -Paschim Medinipur, West Bengal
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	M/s. JSW Cement Limited	
	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cement & GGBS	Million Tons per Annum (MTPA)	28/02/2027	3.6	1,550,551.681	3.6
2	Thermal Energy	MW	28/02/2027	36	2366	18

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The implementation and monitoring of Environment Management Plan should be carried out, as proposed.

<p>PPs Submission: Complied Environment Management Plan, has been implemented as proposed in the EIA report, and the monitoring of EMP is carried out at regular interval.</p>	<p>Date: 01/06/2024</p>
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2	AIR QUALITY MONITORING AND PRESERVATION	Cement grinding shall be carried out in closed cement mill. Provision of dust extraction and pollution control systems along with minimum stack height of 50 M from G.L. should be provided for control of emission from slag mill and hot gas generator Highly Efficient Cyclone Separators, Pulse Jet Bag Filters & ID fans should be provided for Raw Material Handling Section, Ball Mill, Silo, Packing Section. Stack emission shall be monitored at regular intervals and records maintained. The stack emission should not exceed 30 mg/Nm ³ . For CPP boiler ESP of adequate design and capacity and along with minimum stack height of 30 m from G.L. should be provided. The stack emission should not exceed 30 mg/nm ³ .
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<p>PPs Submission: Complied Cement/ slag grinding is being done in closed circuit Roller Press mills. Each grinding unit have connected with pollution control devices and all the PCD connected with the stack which have the height more than 50 meter from G.L. Pulse Jet Bag Filters were installed at material transfer points in Raw Material handling section, Ball Mill, Silo, Packing sections. Stack monitoring is being done regularly by NABL accredited laboratory and records of the results being maintained. Bag House attached with the grinding unit and high efficiency ESP was installed in CPP having adequate stack Height. Stack emission is within prescribed limit.</p>	<p>Date: 01/06/2024</p>
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3	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained. All care to be taken to maintain the ambient air quality standards as per GSR 826 (E) dated 16.11. 2009. 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, SO ₂ and NO ₂ -are anticipated in consultation with the SPCB. Data on ambient air quality and stack Emission shall be regularly submitted to the SEIAA and the SPCB once in six months.
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<p>PPs Submission: Complied Regular monitoring of the ambient air quality is being carried out every month in six locations in and around the plant by NABL accredited laboratory and records are being maintained. Ambient air quality results are within prescribed limit. Good housekeeping and water sprinkling done on the regular basis to comply the notification GSR 826(E) published on dated November 16, 2009. We</p>	<p>Date: 01/06/2024</p>
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<p>have established six number of air quality monitoring station in and outside the plant in consultation with SPCB. We have also installed one continuous ambient air quality monitoring station in consultation with SPCB. Monitoring reports of stack and ambient air quality are being submitted to SEIAA and SPCB every month.</p>		
4	AIR QUALITY MONITORING AND PRESERVATION	The unit shall install CAAQMS for the project.
<p>PPs Submission: Complied The unit has installed one CAAQMS.</p>		<p>Date: 01/06/2024</p>
5	AIR QUALITY MONITORING AND PRESERVATION	Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.
<p>PPs Submission: Complied The unit has constructed dedicated Silo for collecting intermediate & finished products, and packaging is done through pneumatically controlled system. Suction system have installed at packing plant to minimize fugitive emission.</p>		<p>Date: 01/06/2024</p>
6	AIR QUALITY MONITORING AND PRESERVATION	All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided. Suction head should be provided at all transfer points.
<p>PPs Submission: Complied The unit has covered all the vibrating screens and storage bins. All the raw materials store under the covered shed. The unit has automated closed wagon tippler for unloading the raw materials, suction hood also provided at unloading point to control the fugitive emission. Closed conveyor belt is used to transport the material from yard to grinding unit. Bag filter with suction hoods provided at all the transfer points.</p>		<p>Date: 01/06/2024</p>
7	AIR QUALITY MONITORING AND PRESERVATION	Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage area shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yard and other high dust potential areas.
<p>PPs Submission: Complied Adequate dust suppression and extraction systems have been provided in the material storage yard, loading and unloading and also at the transfer points to controlling the fugitive emissions. Dust collected in bag filters of ball mill automatically recycled back to the process. Water sprinkling arrangement were made in the raw material stock yard to control fugitive dust emissions.</p>		<p>Date: 01/06/2024</p>
8	WATER QUALITY MONITORING AND PRESERVATION	Water required for proposed expansion shall be met from ground water supply as proposed. Groundwater shall be abstracted as per permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
<p>PPs Submission: Complied Water requirement is met from ground water extraction. We have taken the permission for ground water withdrawal from State Water Investigation Department. NOC for GW withdrawal are as follows: vide permit No. P1428445003490000001TSE, P1428445003490000002TSE, P1428445003490000003TSE dated 16.10.2015 and P1428446000040000001TSE,</p>		<p>Date: 01/06/2024</p>

P1428445003490000001TSE, P1428456001940000001TSE, dated 03.11.2017 respectively.		
9	WATER QUALITY MONITORING AND PRESERVATION	Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
PPs Submission: Complied The Cement Grinding is based on dry grinding process technology and as such there are no discharge of process effluent. Two STPs of 60 & 100 KLD have been installed for treatment of domestic waste water, the treated water used for greenbelt/plantation and dust suppression purpose. CPP- Waste water from CPP is neutralized in a neutralization pit and then treated water is used for dust suppression.		Date: 01/06/2024
10	AIR QUALITY MONITORING AND PRESERVATION	Clinker manufacturing/heating is not permitted under this Environment Clearance. Clinker and Fly Ash shall be stored in the closed silos and Gypsum and slag in covered shed.
PPs Submission: Complied Clinker is not manufactured in our plant. Fly ash and Clinker is stored in closed silo. Gypsum is stored under covered shed.		Date: 01/06/2024
11	WASTE MANAGEMENT	All the bag filter dust, raw material dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers/re-processors only. Hazardous waste generated to be disposed of as per provisions of Hazardous Wastes (Management and Transboundary Movement) Rules, 2016.
PPs Submission: Complied The dust collected in air pollution control devices/bag filters and raw material dust is being reused in the cement manufacturing process. Fly Ash generated from ESP is used in the cement manufacturing process. The hazardous waste generated from site is stored under the covered shed and same sold to Authorized recycler/co-processor.		Date: 01/06/2024
12	WATER QUALITY MONITORING AND PRESERVATION	Adequate provisions should be made for harvesting rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.
PPs Submission: Partially Complied Rainwater harvesting pit is under construction it will be constructed till the end of this FY. The harvested rainwater will be utilized for plantation, firefighting, washing and cleaning purpose only. The ground water is not recharged within the plant premises.		Date: 01/06/2024
13	GREENBELT	Greenbelt shall be developed within the plant premises. At least 33% of the area should be kept for greenbelt development. At least 12500 (as stated in previous environmental clearance vide no. 89/EN/T-II-I/037/2015 dated 14.1.2016) to be planted and maintained in the greenbelt area of 44 acres. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
PPs Submission: Complied Greenbelt is being developed and as prescribed, more than 33% of the area has been covered with greenbelt/plantation. No vegetative cover was destroyed/ removed during the establishment and operation phases. 44 Acres of Land has been developed as Greenbelt/plantation of recommended species. As per terms given for plantation in Environment Clearance vide no.89/EN/T-II-I/037/2015 dated 14.01.2016 we have planted 57435 plants against target given of 12500		Date: 01/06/2024

14	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards 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).
<p>PPs Submission: Complied The overall noise levels in and around the plant area is maintained within the prescribed limit by adopting various noise control measures such as acoustic hoods, silencers, enclosures etc. on the noise generating equipment. The ambient noise levels conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time). Noise monitoring is being done by the NABL Accredited laboratory on regular basis.</p>		Date: 01/06/2024
15	AIR QUALITY MONITORING AND PRESERVATION	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
<p>PPs Submission: Being Complied All the roads inside the plant made of bituminous/ concrete. Mechanized road sweeping machine and water spray on the roads is carried out on regular basis by the movable water tanker to control the fugitive emission. Good housekeeping is maintained within the premises. Regular water sprinkling is done in critical areas prone to air pollution to maintain the ambient air quality parameters within the norms prescribed by CPCB. Ambient Air quality monitoring is done on regularly basis by an NABL Accredited laboratory.</p>		Date: 01/06/2024
16	Human Health Environment	Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to Pollution under Control (PUC) norms. Proper housekeeping shall be maintained within the premises.
<p>PPs Submission: Being Complied Health and safety of workers is ensured. Required PPEs and sanitation facilities provided to the workers at site. All necessary safety trainings are also provided to the workers. Occupational Health Surveillance done on regular basis and records being maintain as per requirements of the Factories Act. In last financial year 100 percent JSW staffs have done periodic health checkup whereas associates workers have done 100% periodic health checkup.</p>		Date: 01/06/2024
17	Human Health Environment	Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as the Factories Act.
<p>PPs Submission: Being Complied Health and safety of workers is ensured. Required PPEs and sanitation facilities provided to the workers at site. All necessary safety trainings are also provided to the workers. Occupational Health Surveillance done on regular basis and records being maintain as per requirements of the Factories Act. In last financial year 100 percent JSW staffs have done periodic health checkup whereas associates workers have done 100% periodic health checkup</p>		Date: 01/06/2024
18	Human Health Environment	Adequate measures to be adopted to ensure industrial safety. Proper fire detection and protection systems to be provided to control fire

		and explosion hazards.
<p>PPs Submission: Complied</p> <p>Adequate measures are being taken to ensure industrial safety. Fire detection and protection devices are installed in different locations to control fire and explosion hazards. A fire fighting vehicle is also available 24*7 within the premises.</p>		<p>Date: 01/06/2024</p>
19	Corporate Environmental Responsibility	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.
<p>PPs Submission: Complied</p> <p>All the applicable recommendations of CREP guidelines for cement plant is being followed and complied.</p>		<p>Date: 01/06/2024</p>
20	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from various units should conform to the load/ mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
<p>PPs Submission: Complied</p> <p>Emissions from all the stacks are within the given permissible limits. The gaseous emission from all the units conform to the load/mass based standards prescribed by the MoEF & CC. Continuous emission monitoring system (CEMS) is installed in Cement Mill-I, II & CPP. The above mentioned units were attached with CEMS system and continuously data of emission level transferred to the CPCB server. Appropriate mitigation measures were taken to keep the emission level within the prescribed standard.</p>		<p>Date: 01/06/2024</p>
21	Corporate Environmental Responsibility	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on local need and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.
<p>PPs Submission: Being Complied</p> <p>An amount of Rs. 10.00 Crore earmarked for Enterprise Social Commitment (ESC) based on local needs. The amount expenditure on yearly basis. The amount spent towards the Enterprise Social Commitment (ESC) in the reporting period is 114.25 Lakh.</p>		<p>Date: 01/06/2024</p>
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The environment clearance accorded shall be valid for a period of 7 years for the proposed project.
<p>PPs Submission: Complied</p> <p>Noted and Agreed.</p>		<p>Date: 01/06/2024</p>
2	Statutory compliance	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by the project proponent from the competent authorities.
<p>PPs Submission: Complied</p> <p>The unit has obtained consent to Establish from the WBPCB vide letter NOC No. 153376, Memo No. 654-2N-45/2015 (E), dated 15.12.2017. All other statutory clearances have also been obtained</p>		<p>Date: 01/06/2024</p>

from the concern departments.		
3	Statutory compliance	The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA/EMP. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply, sanitation programme for local school and health care etc.
PPs Submission: Complied The unit is complying to all the environmental safeguards recommended in the EIA, EMP. Socio-economic development activities like community development programs, educational programs, drinking water supply, sanitation programs for local school and health care have been under taken in the surrounding villages. The plantation done in the nearby schools and sapling also distributed to the students under environment awareness program.		Date: 01/06/2024
4	Statutory compliance	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other party.
PPs Submission: Complied Noted and Agreed.		Date: 01/06/2024
5	Human Health Environment	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
PPs Submission: Complied Good housekeeping and sanitation is maintained for the workers.		Date: 01/06/2024
6	Statutory compliance	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
PPs Submission: Complied The unit has accrued Rs. 70.99 Crores towards implementing the Environment Management Plan (EMP). Environmental safeguards have been implementation schedule for all the conditions stipulated in this EC is submitted to SEIAA, West Bengal. The fund allocated for EMP will not be diverted for any other purpose.		Date: 01/06/2024
7	Statutory compliance	No further expansion or modifications in the plant should be carried out without prior approval of the state level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
PPs Submission: Complied Noted and Agreed.		Date: 01/06/2024
8	Statutory compliance	The West Bengal Pollution Control Board, who would be

		monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponent during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.
<p>PPs Submission: Complied</p> <p>Full co-operation, facilities and documents/data has given to the officials of the SPCB during their inspection. Six monthly compliance reports with monitored data & the status of the implementation of the stipulated environmental safeguards shall be submitted to State Environment Impact Assessment Authority, Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board & State Pollution Control Board and also posted on the website of the Company. Copies of six monthly compliance report, monitored data and statistical interpretation of the monitored data will be submitted to SEIAA.</p>		Date: 01/06/2024
9	Statutory compliance	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure implementation of the suggested safeguard measures in a time bound and satisfactory manner.
<p>PPs Submission: Complied</p> <p>Noted and Agreed.</p>		Date: 01/06/2024
10	Statutory compliance	The project proponent should inform public that the project has been accorded environment clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the SEIAA, West Bengal (http://environmentweb.gov.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.
<p>PPs Submission: Complied</p> <p>The information was advertised through publication in The Telegraph Calcutta (English) and Anand Bazar Patrika (Bangla) dated 15th September 2017.</p>		Date: 01/06/2024
11	Statutory compliance	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely: SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
<p>PPs Submission: Complied</p> <p>EC compliance status and monitored data is being uploaded on the website and also been submitted to the WBPCB on the periodically basis. (https://www.jswcement.in/sustainability). The ambient and stack monitoring is being done on the regular basis and the result also displayed on the digital display board situated at main gate of plant.</p>		Date: 01/06/2024
12	Statutory compliance	The project authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/ project

		implementation.
PPs Submission: Complied Date of financial closure of the project: NA, Date of final approval of the project: 15.12.2017. Date of land development/ project implementation: January 2018		Date: 01/06/2024
13	Statutory compliance	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air ((Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, The Environment Impact Assessment Notification 2006 and their amendments.
PPs Submission: Complied Noted and Agreed		Date: 01/06/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		