

Project Details

- 1. EC Identification No. EC23B009WB111198**
- 2. File No. EN/T-II-1/091/2018**
- 3. Project Type Expansion**
- 4. Category B1**
- 5. Project/Activity including Schedule No. 3(b) Cement plants**
- 6. Name of Project Expansion of Existing Cement Grinding Unit from 3.6 MTPA to 4.8 MTPA to produce Portland Slag Cement (PSC), Portland Pozzolana Cement (PPC), Ordinary Portland Cement (OPC), Composite Cement & Ground Granulated Blast Furnace Slag (GGBS) at Salboni, District: Paschim Medinipur (West Bengal) by M/s. JSW Cement Ltd.**
- 7. Name of Company/Organization JSW CEMENT LTD**
- 8. Location of Project West Bengal**
- 9. TOR Date 11 Apr 2017**

Standard Conditions-		
I. Monitoring Of Compliance		
Sl. No	Conditions	Status of compliance
I	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	The unit doesn't come under forest area and no diversion of forest land for non-forest purpose involved in the project. So, provisions of Forest (Conservation) Act, 1986 in not applicable for this unit.
II	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable for this project
III	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site- Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance report. (in case of the presence of schedule-1 species in the study area)	Noted and will be complied
IV	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board (SPCB) / Committee.	Noted and will be complied before start of construction activities.
V	The project proponent shall obtain the necessary permission from the Central Ground Water Authority/SWID, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	Noted & Being Complied. Permission from SWID has been taken vide NOC No.....
VI	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Noted & Being Complied Unit has already obtained authorization under the Hazardous and other Waste Management Ruled, 2016 vide letter no 93-/2S(HW)-4575/2023 on dated 27/06/2023 which is valid till 31/03/2028
II. Air quality monitoring and preservation		
I	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R.No.612(E) dated 25th S.O.3305(E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification	Complied The unit has installed 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R.No.612(E) dated 25th S.O.3305(E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers.

	through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories	The unit is performing calibration of equipment on time to time
II	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Fugitive emissions are monitored through NABL accredited labs once in a month in all the dust prone areas
III	The project proponent shall install system carryout to Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)	<p>Complied</p> <p>Monitoring of the ambient air quality is being carried out every month at six locations in and around the plant by NABL accredited laboratory and records are maintained. Ambient air quality results are within prescribed limit; results are attached as (Table-2 & Graph-2)</p> <p>Good housekeeping and water sprinkling done on the regular basis to comply the notification GSR 826(E) published on dated November 16, 2009.</p> <p>We have established six number of air quality monitoring station in and outside the plant in consultation with SPCB.</p> <p>We have also installed one continuous ambient air quality monitoring station in consultation with SPCB.</p> <p>Monitoring reports of stack and ambient air quality are being submitted to SEIAA and SPCB every month.</p>
IV	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of Ministry of Environment, Forest & Climate Change (MoEF&CC), Zonal office of CPCB, SPCB and State Environment Impact Assessment Authority (SEIAA) along with six-monthly monitoring report.	<p>Complied</p> <p>Monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions are regularly submitted to Regional Office of Ministry of Environment, Forest & Climate Change (MoEF&CC), Zonal office of CPCB, SPCB and State Environment Impact Assessment Authority (SEIAA) along with six-monthly monitoring report for the existing project. The same practices shall be continued for the expansion project as and when executed.</p>
V	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	<p>Complied</p> <p>Air Pollution Control system has been provided for all the dust generating points such as Pulse Jet Bag Filters were installed at material transfer points in Raw Material handling section, Ball Mill, Silo, Packing sections.</p>

		<p>Stack monitoring is done regularly by NABL accredited laboratory and records of the results being maintained.</p> <p>Bag House attached with the grinding unit and high efficiency ESP is installed in CPP having adequate stack Height. (Photographs No. 2 & 3).</p> <p>Stack emission is within prescribed limit; results are attached as (Table-1 & Graph-1).</p>
VI	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags	Complied in the existing project and shall be implemented in the expansion project as well.
VII	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB	Complied in the existing project and shall be implemented in the expansion project as well.
VIII	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complied Unit has deployed truck mounted road sweeping machine & stationary vacuum cleaners to clean plant roads, shop floors, roofs, regularly.
IX	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	complied
X	Provide wind shelter fence and chemical spraying on the raw material stock piles; and	Noted and will be complied
XI	Provide Low NOx burners as primary measures and SCR / NSCR technologies as secondary measure to control NOx emissions.	Not applicable as this a cement grinding unit and there is no Kiln
XII	Have separate truck parking area and monitor vehicular emissions at regular interval.	complied
XIII	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 covered conveyor belts / railways as a mode of transport.	<p>complied</p> <p>We have provided adequate air pollution control systems to control the emissions within the prescribed limits. No waste water is discharged outside the premises. This greenbelt in 33% area has already been developed to control propagation of dust and noise to the surrounding habitations. All the internal roads as well as approach roads are concreted. The unit has also provided railway siding for transportation of incoming and outgoing materials / products. All the trucks are covered with tarpaulin. Conveyors are covered. Road sweeping machine is deployed for regular sweeping of dust thereby preventing fugitive emissions due to vehicular movement. Regular water spraying is done on the unpaved areas.</p> <p>All these measures are aimed at reducing the impacts of plant operations of the surrounding environment.</p>

XIV	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.	complied
III. Water quality monitoring and preservation		
I	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R.No.612(E) dated 25 th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and S.O.3305(E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	Noted and will be complied
II	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	complied. Groundwater quality at the prescribed intervals is regularly monitored and the monitored results are submitted to the concerned regulatory authorities at regular intervals.
III	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	complied Monthly summary report of manual effluent testing and manual monitoring of ground water quality is regularly submitted to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
IV	Adhere to 'Zero Liquid Discharge'	complied Effluents are adequately treated and the treated water is used for plantation/ dust suppression.
V	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards	Complied
VI	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off	Noted and will be complied
VII	The project proponent shall practice rainwater harvesting to maximum possible extent.	Rainwater harvesting system is under process and is expected to be completed by June'24.
VIII	Water meters shall be provided at the inlet to all unit processes in the cement plant	complied
IX	The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water	Complied Domestic effluent is treated in STP and the treated water is used for plantation so as to reduce fresh water consumption.

IV. Noise monitoring and prevention		
I	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry / SEIAA & SPCB as a part of six-monthly compliance report.	Noted and will be complied Noise level survey is done at regular intervals and the reports are submitted to Regional Officer of the Ministry / SEIAA & SPCB as a part of six-monthly compliance report
II	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	complied Noise level monitoring reports for the period Oct'23 to Mar'24 are enclosed as Annexure 1 .
V. Energy Conservation measures		
I	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	complied Solar lights are provided on the streets and in common areas. Solar power plant of 3.5 MW capacity has also been installed within the premises.
II	Provide the project proponent for LED lights in their offices and residential areas.	complied
III	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards	complied Fly ash is used to the maximum permissible limits set by BIS in PPC and Composite Cement.
VI. Waste management		
I	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	complied Waste oil and waste grease is sold to authorized recyclers.
II	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)	Noted and will be complied
VII. Green Belt		
I	Green belt shall be developed in an area equal to at least 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant. The project proponent should follow the plantation plan approved by Divisional Forest Officer, Medinipur Division vide Memo No. 4006/8-F-24 dated 29.09.2023.	Complied Greenbelt is being developed and as prescribed, more than 33% of the area has been covered with greenbelt/plantation as per CPCB guidelines. 3 tier plantation has been done along the plant periphery. We have planted total 57435 nos. of trees in 44 Acres of Land. Plantation plan approved by Divisional Forest Officer, Medinipur Division vide Memo No. 4006/8-F-24 dated 29.09.2023 shall be strictly followed.
II	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	We are in the process of preparing the GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation in due course.

VIII. Public hearing and Human health issues		
I	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	complied
II	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	complied
III	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, mobile STP, 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.	Noted and will be complied during implementation of the expansion project.
IV	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	complied
IX. Environment Management Plan (EMP)		
I	The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed	The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 shall be strictly followed and the data will be submitted to the SEIAA on six monthly basis post implementation of the expansion project, i.e. expansion from 3.6 to 4.8 MTPA
II	Need based activities for local people is part of the EMP. Details of such activities for expansion project (in addition to the activities for the existing project) submitted by the project proponent is given in Annexure-2	Noted and will be complied during the implementation of the expansion project, i.e. expansion from 3.6 to 4.8 MTPA
III	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and/or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC / SPCB / SEIAA as a part of six-monthly report.	complied
IV	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	complied
V	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection	Noted and will be complied during/ post implementation of the expansion project.

	measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office / SEIAA / SPCB along with the Six Monthly Compliance Report.	
VI	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted and will be complied
VII	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.	complied
X. Additional conditions		
a	Plan for installation of digital display board for showing all environmental parameters and EMP data. Beneficiary details of the social part of the EMP should also be displayed	complied Digital Display Board has been installed at main gate and environmental parameters & EMP data are being shown for public domain
XI. Miscellaneous		
I	The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.	Noted and agreed
II	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Noted and agreed
	<div data-bbox="300 1249 803 1627" data-label="Text"> <p style="text-align: center;">জনসাধারণের জন্য তথ্য</p> <p>জনসাধারণকে জানানো হচ্ছে যে, ভারত সরকারের পরিবেশ, বন এবং জলবায়ু পরিবর্তন মন্ত্রণালয়ের ১৪ই সেপ্টেম্বর, ২০০৬ এর S.O. 1533 (E) মোতাবেক, পশ্চিমবঙ্গের রাজ্যস্তরীয় পরিবেশগত প্রভাব মূল্যায়ন কর্তৃপক্ষ (SEIAA,WB) তাদের পত্র সংখ্যা : EC 23B009WB111198, তাং - 27/12/2023 ছারা মেসার্স : জে. এস. ডব্লিউ. (JSW) সিমেন্ট লিমিটেড কে, গ্রাম - জামবেদিয়া, শালবনী, জেলা - পশ্চিম মেদিনীপুর, পশ্চিমবঙ্গ - এ অবস্থিত তাদের ৩.৬ MTPA ক্ষমতার সিমেন্ট ইউনিটকে ৪.৮ MTPA ক্ষমতা বিশিষ্ট সিমেন্ট ইউনিটের প্রস্তাবিত সম্প্রসারণের পরিবেশগত ছাড়পত্র প্রদান করিয়াছে। ছাড়পত্রের অনুলিপি পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রন বোর্ডে উপলব্ধ আছে এবং এটিকে SEIAA, পশ্চিমবঙ্গ (http://www.environmentwb.gov.in) এবং মেসার্স : জে. এস. ডব্লিউ. (JSW) সিমেন্ট লিমিটেড এর website এ (http://www.jswcement.in) এ দেখা যেতে পারে।</p> </div>	<div data-bbox="836 1228 1396 1627" data-label="Text"> <p style="text-align: center;">PUBLIC INFORMATION</p> <p>This is to inform the Public that M/s JSW Cement Ltd. has been accorded Environment Clearance by the State Level Environment Impact Assessment Authority (SEIAA, W.B) vide EC Identification No.- EC23B009WB111198, dated 27/12/2023 in accordance with S.O. 1533 (E) dt. 14 September, 2006 of the Ministry of Environment, Forest and Climate Change, GOI, for their Proposed Expansion of Cement Grinding Unit from 3.6 MTPA to 4.8 MTPA at village - Jambedia, Salboni, Dist. Paschim Medinipur, West Bengal. Copies of the Clearance letter are available with the West Bengal Pollution Control Board and may also be seen at the website of the SEIAA, West Bengal (http://www.environmentwb.gov.in) and also at the website of M/s JSW Cement Ltd. (http://www.jswcement.in)</p> </div>
III	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copies of EC has been submitted to re the concerned heads of the local bodies / panchayat etc.

IV	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	complied for the existing project and the same practices will be continued for expansion project as well
V	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	complied and the monitored data are displayed at the factory gate and also posted on the company website
VI	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal	Complied.
VII	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Noted and will be complied for the existing project. Form V for the expansion project will be submitted post execution of the project.
VIII	<p>The project proponent shall inform the Regional Office as well as the Ministry / SEIAA, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.</p> <p>a. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government</p> <p>b. The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee</p>	<p>Financial closure and final approval has yet not been achieved. However, we agree to comply prior to execution of the expansion project.</p> <p>Agree to comply</p> <p>Agree to comply</p>
IX	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.	Noted and agreed
X	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and agreed
XI	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed
XII	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and agreed

XIII	The Regional Officer of the Ministry / SPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted and agreed
XIV	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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted and agreed
XV	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted