

**Half Yearly Compliance Report  
2024**

**01 Dec(01 Apr - 30 Sep)**

**Acknowledgement**

<b>Proposal Name</b>	Proposed Cement Plant With Clinker Production Capacity of 12.0 MTPA, Calcined Clay Production Capacity-1.5 MTPA, Cement Production Capacity 5.0 MTPA (OPC/PPC/PSC/Composite Cement/LC3/PLC), WHRB based Power Plant - 54 MW, DG Sets of 6000 KVA, Oxygen Plant of capacity 160 m3/hr, AFR Pre-Processing/Co-processing Facility and Railway siding with wagon tippler at Village-Bhadana & Jindas, Teh-Nagaur , Dist-Nagaur, Rajasthan-341001		
<b>Name of Entity / Corporate Office</b>	JSW Cement Limited		
<b>Village(s)</b>	CHAK GHSAIYA DEN		
<b>District</b>	NAGOUR		
<b>Proposal No.</b>	IA/RJ/IND1/432291/2023	<b>Category</b>	Industrial Projects - 1
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	Nagaur
<b>State</b>	RAJASTHAN	<b>Entity's PAN</b>	*****6731B
<b>MoEF File No.</b>	IA-J-11011/355/2022-IA-II(IND-I)	<b>Entity name as per PAN</b>	JSW Cement Limited

**Compliance Reporting Details**

<b>Reporting Year</b>	2024
<b>Remarks (if any)</b>	Submitting the Six Monthly EC Compliance Report for the period: April-2024 to September-2024.
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)

**Details of Production and Project Area**

**Name of Entity / Corporate Office** JSW Cement Limited

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	192.484	174.898
Revenue Land	2.072	0
Forest	0	0
Others	0	0
<b>Total</b>	<b>194.556</b>	<b>174.898</b>

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Clinker	Million Tons per Annum (MTPA)	N/A	12.0 (Kiln - 3 x 12000 TPD)	Project is yet to be commissioned.	NA
2	Calcined Clay	Million Tons per Annum (MTPA)	N/A	1.5 (Clay Calciner System 2x2300 TPD)	Project is yet to be commissioned.	NA
3	Cement (OPC /PPC /PSC /Composite Cement /LC3 /PLC)	Million Tons per Annum (MTPA)	N/A	5.0 (Cement Mill - 2 x 350 TPH)	Project is yet to be commissioned.	NA
4	WHRB Based Power Plant	MW	N/A	54 (3 X 18 MW)	Project is yet to be commissioned.	NA
5	DG Sets	Others:KVA	N/A	6000 (3 x 2000 KVA)	Project is yet to be commissioned.	NA
6	Oxygen Plant	Cu.M/Hr	N/A	160	Project is yet to be commissioned.	NA
7	AFR Pre-processing and Co-processing Facility	Tons per Day (TPD)	N/A	Part of Project (Approx. 3750 TPD)	Project is yet to be commissioned.	NA
8	Railway Siding with Wagon Tippler	Tons per Day (TPD)	N/A	Part of the Project (Approx. 62500 TPD)	Project is yet to be commissioned.	NA

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
PPs Submission: Agreed to Comply Noted.		Date: 28/11/2024
2	MISCELLANEOUS	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents

		submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
<p><b>PPs Submission: Agreed to Comply</b> Project is yet to be commissioned. Project construction and erection activities are under progress. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures are being implemented for construction / erection of project.</p>		<p>Date: 28/11/2024</p>
3	MISCELLANEOUS	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
<p><b>PPs Submission: Agreed to Comply</b> Project is yet to be commissioned. Project construction and erection activities are under progress. We are aligned to the net zero target of the Government of India (GoI) by 2070. The Carbon Capture, Utilization and Storage (CCUS) technologies, as on date, are in a very nascent stage world-wide and we are engaged in a dialogue with various research organizations and vendors to explore the possibility of the same. We assure that as soon as commercially viable technology is available, we will implement the same and duly report to the IRO, MoEF&amp;CC.</p>		<p>Date: 28/11/2024</p>
4	MISCELLANEOUS	The PP shall complete the acquisition of the proposed project land and conversion for industrial purpose prior to commencement of proposed project.
<p><b>PPs Submission: Being Complied</b> JSW has acquired 174.8985 ha. out of 194.5560 ha. land till Sept-2024 and proposed project constructions / erections activities are under progress on the acquired land after conversion for industrial purpose.</p>		<p>Date: 28/11/2024</p>
5	MISCELLANEOUS	Eight Families (1 family from Bhadana village & 7 families from Jindas village) reside inside the project area. Also there is a hamlet with 4 families (50 m, NW), Hamlet (Jindas Ki Dhani) (0.60 km, NW), Jindas Village (1.5 km, NE), Village Manjhwas (2.6 km, N), Village Bhadana (2.0 km, SW) and Village Kishanpura (3.0 km, E) within the study area. There are approx. 16 other villages in 10 km radius study area. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
<p><b>PPs Submission: Agreed to Comply</b> Project is yet to be commissioned. Project constructions / erections activities are under progress. Appropriate Environmental safeguard measures are being implemented. 1) JSW have started the plantation activity and planted approx. 9500 nos. of tree sapling within plant premises to develop thick greenbelt towards the hamlet /villages closer to the plant boundary. 2) Water Sprinkling arrangements through deployment of water tankers is being carried out regularly for suppression of fugitive emission at the source. 3) We have included Bhadana and Jindas villages in environmental monitoring program and air quality monitoring will be carried out at both villages.</p>		<p>Date: 28/11/2024</p>
6	MISCELLANEOUS	PP shall implement the R&R plan for the habitations involved within the project area and also for purchase of private land.
<p><b>PPs Submission: Being Complied</b> R and R plan are being implemented for the habitations involved within the project area and also for purchase of private land as per applicability.</p>		<p>Date: 28/11/2024</p>

7	WATER QUALITY MONITORING AND PRESERVATION	The water requirement of 4180 m <sup>3</sup> /day be met from saline ground water (3960 m <sup>3</sup> /day) after prior approval from competent authorities and through treated waste water (220 m <sup>3</sup> /day). As committed, the Company shall not use any groundwater in its premises except for drinking. Also, the Company shall not take drinking water from the Indira Gandhi Canal. PP shall implement the plan for sourcing treated sewage water from the STP of Nagaur municipality in place of groundwater for industrial purposes.
<p><b>PPs Submission: Partially Complied</b> Project is yet to be commissioned. JSW will neither extract any groundwater in the premises except for drinking nor will source any water from the Indira Gandhi Canal for industrial operation purpose. As committed, JSW have signed a MoU with Nagar Parishad, Nagaur for procurement of treated STP water for industrial/ greenbelt development purpose vide dated 13th Aug, 2024, valid till 12th Aug-2074. JSW has also obtained NOC from CGWA for ground water withdrawal at the rate of 380 KLD for drinking and domestic purpose.</p>		Date: 28/11/2024
8	GREENBELT	Three tier Green Belt shall be developed in at least 33% of the project area with native species all along the periphery of the project site of adequate width in consultation with Central Arid Zone Research Institute (CAZRI) Jodhpur and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards habitations. As committed, the Company shall plant 75,000 nos. of trees in this monsoon season, i.e. up to Oct, 23 and the maximum nos. of tree plantation shall be done by the end of 2024. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
<p><b>PPs Submission: Partially Complied</b> JSW had signed a MoU with CAZRI for availing consultancy services for Tree Plantation on 13th August, 2024. So far approx. 9500 nos. of tree sapling are planted within plant premises. Apart from above approx. 102500 nos. of tree saplings have been planted / distributed around the project area, nearby Villages, Schools, Cremation Grounds, Sports Ground, Grazing Land and Avenue Plantation etc. Further plantation will be carried out as per recommendations of CAZRI Team within the plant premises.</p>		Date: 28/11/2024
9	Statutory compliance	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 70 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
<p><b>PPs Submission: Agreed to Comply</b> Project is yet to be commissioned. Community development works has been started in all nearby villages in the fields of Education, Health and sanitation, Livelihood, Rural infrastructure development in line with our CER commitments made towards socio-economic development/requests raised by villagers during PH process. Activity wise detailed CER/CSR Report of all running and upcoming programs are attached below.</p>		Date: 28/11/2024
10	MISCELLANEOUS	PP shall undertake village adoption programme, prepare and implement the action plan to develop them into model villages.
<p><b>PPs Submission: Agreed to Comply</b></p>		Date:

Project is yet to be commissioned. JSW has adopted 5 villages i.e.: Bhadana, Jindas, Sarasani, Harima and Deh. Development plan of these villages had been prepared for 4 years in accordance with existing plan. Detailed activity wise progress is given in above specific condition no. ix.		28/11/2024
11	Statutory compliance	Transportation of limestone from mines shall be done only through overland belt conveyor (OLBC) for captive consumption in the cement plant. However, the limestone, if sold to external users, shall be transported by road.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. JSW had planned for installation of OLBC from Mines to Cement Plant as committed to transport limestone from mines to cement plant through OLBC only for captive consumption. Land purchasing for OLBC is under process.		Date: 28/11/2024
12	MISCELLANEOUS	As committed, Company shall provide 2 nos. of buses for the village people and out of these two buses, one standard diesel bus shall be provided within 6 months whereas the another one will be an EV bus which will be provided within 2 years or earlier depending on the delivery period of the EV bus.
<b>PPs Submission:</b> Agreed to Comply Bus deployment proposal along with MoU copy has been submitted to RSRTC, Nagaur for signing off. Bus would be deployed within one month after signing off the MoU i.e.: Dec-24.		Date: 28/11/2024
13	MISCELLANEOUS	The Company shall engage an external agency/ consultant for carrying out a detailed baseline survey in Nagaur and nearby districts in order to evaluate the need for a cancer hospital in this region. Based on the outcome of the survey/ baseline study, the Company will contribute for the cancer hospital in due course of time.
<b>PPs Submission:</b> Agreed to Comply JSW is in the process of tendering stage for engaging an external agency/third party to conduct a baseline survey in Nagaur and nearby districts in order to evaluate the need for a cancer hospital in this region. We shall submit the findings of the study once the survey is complete and the report is received.		Date: 28/11/2024
14	MISCELLANEOUS	The recommendations of the approved Site-Specific 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 to the concerned Regional Office of the MoEF&CC.
<b>PPs Submission:</b> Agreed to Comply JSW had submitted the WLCP to the PCCF through CCF, Ajmer vide letter No.: F(16/29) Wildlife/CCF-Ajmer/2022-23/1226 dated 06/04/2023 and is awaiting for approval of WLCP from the PCCF, Jaipur, Rajasthan. Recommendations will be implemented in consultation with the State Forest Department and report of the same will be submitted along with six-monthly compliance report, after the approval of WLCP by PCCF.		Date: 28/11/2024
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	ENERGY PRESERVATION MEASURES	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.
<b>PPs Submission:</b> Agreed to Comply		Date:

Project is yet to be commissioned. Solar power generation on roof tops of buildings for solar light system for all common areas, street lights, parking around project area will be provided and it will be maintained on regular basis after commissioning of the proposed project.		28/11/2024
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, absorbers and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Clean Air practices as applicable to cement plant shall be implemented during the construction phase. Adequate nos. of fog/mist water cannons shall be deployed during the operation phase.		Date: 28/11/2024
3	AIR QUALITY MONITORING AND PRESERVATION	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. It has been planned to implement in-built bag cleaning system programmed for automatic bag cleaning at regular intervals. Efficiency of process bag filters will be monitored manually at least once in year after commissioning of the project.		Date: 28/11/2024
4	AIR QUALITY MONITORING AND PRESERVATION	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Water Sprinkler/Mist system will be provided at all the prescribed points to control fugitive emissions from the plant.		Date: 28/11/2024
5	AIR QUALITY MONITORING AND PRESERVATION	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. We have planned to install efficient air control systems such as: Bag filters/ESPs to control emission below 30 mg/Nm <sup>3</sup> at all process stacks and the same will be provided during the implementation phase.		Date: 28/11/2024
6	AIR QUALITY MONITORING AND PRESERVATION	Following additional arrangements to control fugitive dust shall be provided: a. Fog/Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. a. JSW will provide the Fog/Mist Sprinklers at all on bulk raw material storage area and similar waste storage areas. b. Proper covered vehicle will be used while transport of materials. c. Wheel washing mechanism will be provided in entry and exit gates.		Date: 28/11/2024

7	AIR QUALITY MONITORING AND PRESERVATION	Provide Low NOx burners as primary measures and SCR/NSCR technologies as secondary measure to control NOx emissions.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. JSW has planned to install Low NOx burners and Low NOx calciner during the implementation phase. SCR/ SNCR technologies will be provided, if required to control the NOx emission after commissioning of the project.		Date: 28/11/2024
8	AIR QUALITY MONITORING AND PRESERVATION	The emission norms applicable for the cement plant shall be adhered to.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. The emission norms applicable to cement plants shall be adhered to during the implementation as well as operation phase of the project.		Date: 28/11/2024
9	AIR QUALITY MONITORING AND PRESERVATION	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Dioxin and Furan will be monitored once in six months during the operation of plant.		Date: 28/11/2024
10	AIR QUALITY MONITORING AND PRESERVATION	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Kiln and calciner system shall be designed to act as a dry de-SOx system. NOx level from kiln stack shall be maintained below 600 mg/Nm3.		Date: 28/11/2024
11	AIR QUALITY MONITORING AND PRESERVATION	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Petcoke dosing will be controlled automatically to control SO2 emission from the stack.		Date: 28/11/2024
12	AIR QUALITY MONITORING AND PRESERVATION	PP shall identify the source of fluoride emissions and action plan to mitigate the same shall be implemented.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. There is no known source of fluoride. However, the source of fluoride emission (possibly water), if any, shall be identified and action plan to mitigate the same, if required, shall be implemented during operation of the plant.		Date: 28/11/2024
13	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. The CREP guidelines to control the pollution within Cement Plant premises shall be strictly implemented.		Date: 28/11/2024
14	WATER QUALITY MONITORING AND	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in

	PRESERVATION	Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. CEMS (Continuous Effluent Monitoring System) will be installed at ETP/neutralization pit of WHRS to monitor the effluent quality and same will be connected to SPCB and CPCB online servers. The CEMS will be calibrated from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p>		Date: 28/11/2024
15	WATER QUALITY MONITORING AND PRESERVATION	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. We are in process of hiring the NABL and CPCB accredited laboratory. Ground water quality monitoring will be carried out twice in a year i.e.: Half Yearly once (pre and post-monsoon) in plant and adjacent areas.</p>		Date: 28/11/2024
16	WATER QUALITY MONITORING AND PRESERVATION	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.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Provision for garland drains and collection pits at each stock pile has been kept in the design of the plant and the same shall be provided during the implementation phase.</p>		Date: 28/11/2024
17	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the plants.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Water meters will be provided at the inlet of all processes in the plant premises during the implementation phase.</p>		Date: 28/11/2024
18	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Appropriate measures will be taken to minimise water consumption in the plant complex. Waste water will be treated and reused for dust suppression / plantation purpose within cement plant premises.</p>		Date: 28/11/2024
19	WATER QUALITY MONITORING AND PRESERVATION	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. The project will be designed on "Zero Liquid Discharge" concept. ETP will be installed for treatment of effluents generated from WHR process and there will be no discharge of effluent from the plant premises. Domestic effluent will also be treated in Sewage</p>		Date: 28/11/2024

Treatment Plant and suitable measures will be adopted for sewage water handling to ensure no contamination of any kind of water body.		
20	WATER QUALITY MONITORING AND PRESERVATION	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. At the design stage, provision for impervious flooring, garland drains, catch pits and water spray system for dust suppression has been kept at all stockyards and these measures will be implemented during the implementation phase.		Date: 28/11/2024
21	WATER QUALITY MONITORING AND PRESERVATION	Rain water harvesting shall be implemented to recharge/ harvest water as per the action plan submitted in the EIA/EMP report.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Rain water harvesting systems such as rooftop RWH, WH pond etc. shall be provided during the implementation phase.		Date: 28/11/2024
22	Noise Monitoring & Prevention	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. We are in process of hiring the NABL and CPCB accredited laboratory. Noise level monitoring will be done and monitoring reports will be submitted to Regional Officer of the Ministry as a part of next six-monthly compliance report.		Date: 28/11/2024
23	Noise Monitoring & Prevention	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.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Ambient Noise level monitoring will be conducted to meet the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.		Date: 28/11/2024
24	Statutory compliance	The Environment Clearance (EC) granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/construe to approvals/consent/permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
<b>PPs Submission:</b> Being Complied JSW has obtained all the applicable approvals / permissions / consents / NOCs before start of the construction and erection work as per applicable acts/rules.		Date: 28/11/2024
25	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time

		according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. CEMS and CAAQMS, as prescribed, will be installed and connected with the SPCB and CPCB online servers before start of the operations.		Date: 28/11/2024
26	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall carryout Continuous 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.
<b>PPs Submission:</b> Agreed to Comply Project yet to be commissioned. Continuous Ambient Air Quality Monitoring will be done after commencement of plant operations. However, we are in process of hiring the NABL and CPCB accredited laboratory. AAQ Monitoring will be conducted for the prescribed parameters within and outside the plant area.		Date: 28/11/2024
27	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Fugitive emissions monitoring will be conducted by deploying NABL accredited labs approved by CPCB in the plant area. We are in process of hiring the NABL accredited laboratory for the same.		Date: 28/11/2024
28	AIR QUALITY MONITORING AND PRESERVATION	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Sampling facility will be provided at all the process stacks after commissioning of the proposed project.		Date: 28/11/2024
29	AIR QUALITY MONITORING AND PRESERVATION	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.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. JSW have planned to install appropriate Air Pollution Control (APC) systems i.e.: RABH, Bag Filters / ESP / Water Sprinklers / Mist System / Covered Conveyor Belts / Plantation etc. to combat the air pollution.		Date: 28/11/2024
30	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Leakage detection and mechanized bag cleaning facilities will be provided.		Date: 28/11/2024
31	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.

	PRESERVATION	
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Vacuum cleaners will be deployed to clean the plant roads, shop floors/roofs regularly after commissioning of the plant operations.</p>		<p>Date: 28/11/2024</p>
32	AIR QUALITY MONITORING AND PRESERVATION	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Internal transportation of material shall be done through covered conveyors. Leak proof trucks/dumpers for carrying coal and other raw materials covered with tarpaulin will be used within plant premises.</p>		<p>Date: 28/11/2024</p>
33	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
<p><b>PPs Submission:</b> Complied Not applicable to cement plants.</p>		<p>Date: 28/11/2024</p>
34	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Wind shelter fence and chemical spraying will be provided on the raw material stock piles once the project is commissioned .</p>		<p>Date: 28/11/2024</p>
35	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all Tunnels, Motor Houses, Oil Cellars.
<p><b>PPs Submission:</b> Complied Not applicable to cement plants.</p>		<p>Date: 28/11/2024</p>
36	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
<p><b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. CREP guidelines will be implemented during design, implementation and operation phases of the project.</p>		<p>Date: 28/11/2024</p>
37	MISCELLANEOUS	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.
<p><b>PPs Submission:</b> Complied Grant of EC to the project was duly advertised within 7 days in two local newspapers i.e.: Times of India dated 30/09/2023 on page No.: 5 and Dainik Bhaskar dated 01.10.2023 on page No.: 23. In addition, the EC letter has also been permanently displayed on the Company website.</p>		<p>Date: 28/11/2024</p>

38	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied Copies of EC were submitted to the respective agencies/local bodies and other relevant offices. Receipts of the same has already been submitted with last EC compliance report.		Date: 28/11/2024
39	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
<b>PPs Submission:</b> Complied Compliance status of the stipulated EC conditions has been uploaded on Company website: - <a href="https://www.jswcement.in/pdf/Ack-Oct23-to-Mar24-Nagaur-12MTPA-Cementplant-EC-Compliance.pdf">https://www.jswcement.in/pdf/Ack-Oct23-to-Mar24-Nagaur-12MTPA-Cementplant-EC-Compliance.pdf</a>		Date: 28/11/2024
40	MISCELLANEOUS	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.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. We are in process of hiring the NABL and CPCB accredited laboratory. AAQ Monitoring will be conducted for the prescribed parameters within and outside the plant area and stack emission monitoring will be undertaken after project commissioning. Monitored data will be duly displayed on the Company website and at the factory main gate for disclosure to the public.		Date: 28/11/2024
41	MISCELLANEOUS	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. JSW will develop connecting and internal road as per IRC guidelines.		Date: 28/11/2024
42	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied JSW is hereby submitting the EC six-monthly compliance report on the website of the MoEFCC - EC Portal and the same is also being sent by email to concern authorities. Recently, EC six-monthly compliance report submitted on 24th Nov-2023.		Date: 28/11/2024
43	MISCELLANEOUS	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.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Environmental statement for each financial year in Form-V will be submitted after commissioning of the plant operation.		Date: 28/11/2024

44	MISCELLANEOUS	The project proponent 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, commencing the land development work and start of production operation by the project.
<b>PPs Submission:</b> Partially Complied 1. Date of financial closure: 10/05/2024. 2. Date of final approval of the project: 10/05/2024. 3. Date of commencement of land development work: 10/05/2024. 4. Date of start of production operation will be provided after commencement of production operations.		Date: 28/11/2024
45	MISCELLANEOUS	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.
<b>PPs Submission:</b> Agreed to Comply We shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during PH and during presentation to the EAC.		Date: 28/11/2024
46	MISCELLANEOUS	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
<b>PPs Submission:</b> Agreed to Comply WLCP for Schedule-I species has been prepared and submitted to DFO, Nagaur vide letter no.: F()TK/CCF/2022-23/1969 dated: 29th March, 2023, after that WLCP has been forwarded to PCCF Jaipur for approval of WLCP vide letter No.: F16(29)wildlife/CCF /2022-23/1266 dated 6th April, 2023. Final approval from PCCF is awaited.		Date: 28/11/2024
47	MISCELLANEOUS	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. The details of the said expenditures will be uploaded on our company website post start of project implementation.		Date: 28/11/2024
48	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
<b>PPs Submission:</b> Agreed to Comply No further expansion or modifications in the plant will be carried out without prior approval/EC.		Date: 28/11/2024
49	MISCELLANEOUS	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.
<b>PPs Submission:</b> Agreed to Comply Noted and agreed.		Date: 28/11/2024

50	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
<b>PPs Submission:</b> Agreed to Comply Noted and agreed.		Date: 28/11/2024
51	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
<b>PPs Submission:</b> Agreed to Comply Noted and agreed.		Date: 28/11/2024
52	MISCELLANEOUS	The Regional Office of this Ministry 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.
<b>PPs Submission:</b> Agreed to Comply We shall extend full cooperation to the officer(s) of the RO by furnishing the requisite data.		Date: 28/11/2024
53	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied There is no any appeal against this EC.		Date: 28/11/2024
54	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and residential areas.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. LED lights will be provided in offices and residential areas as soon as the offices and residential areas are constructed.		Date: 28/11/2024
55	ENERGY PRESERVATION MEASURES	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Efforts will be made to achieve the prescribed energy levels post commissioning of the project.		Date: 28/11/2024
56	ENERGY PRESERVATION MEASURES	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Products are designed to utilize fly ash, slag (if available) and limestone sweetener to the maximum extent while meeting the quality as well as BIS requirements.		Date: 28/11/2024
57	ENERGY PRESERVATION MEASURES	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. The project/process has been designed for utilization of up to 30 percent of AFR which is one of the best practices in Indian cement industry. Necessary systems will		Date: 28/11/2024

		be provided during the implementation phase.	
58	ENERGY PRESERVATION MEASURES	Waste heat recovery system shall be provided for kiln and cooler.	
<b>PPs Submission:</b> Agreed to Comply WHRS of capacity 54 MW (18 MW in each line) shall be provided during the project implementation phase.			Date: 28/11/2024
59	WASTE MANAGEMENT	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.	
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Oil Collection pits will be provided to collect and reuse/ recycle spilled oil.			Date: 28/11/2024
60	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.	
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Systems for composting of kitchen waste and conversion to bio gas will be implemented after construction of canteen/ kitchen in the plant/ residential premises.			Date: 28/11/2024
61	WASTE MANAGEMENT	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	
<b>PPs Submission:</b> Complied There is no any source of fly ash generation in the proposed project and therefore this condition is not applicable to us.			Date: 28/11/2024
62	WASTE MANAGEMENT	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	
<b>PPs Submission:</b> Agreed to Comply As part of our organization policy, SUP is banned at our plant locations. Regular awareness sessions will be organized for the people working in the project area and also in the surrounding areas. The report, along with photographs, on the measures taken will also be included in the next six monthly compliance report.			Date: 28/11/2024
63	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. So far, no E-waste has been generated. Disposal of E-waste will			Date:

be done as per E-waste disposal plan incorporated in the EIA report.		28/11/2024
64	WASTE MANAGEMENT	PP shall recycle/reuse solid waste generated in the plant as far as possible.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Project construction activities are started and solid waste generated are being reused/ recycled to the maximum possible extent. Unused/ unusable solid waste will be scientifically disposed.		Date: 28/11/2024
65	GREENBELT	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. GHG emission inventory as well as plan for reduction including sequestration has already been prepared and incorporated in the EIA. A copy of the same has already submitted along with last six monthly EC Compliance Report. Plan will be implemented during project implementation and operation phase.		Date: 28/11/2024
66	GREENBELT	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/assessments should be measurable and monitor able with defined time frames.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. JSW will conduct the study on decarbonisation while taking into account all the prescribed parameters/points and will submit the study report to IRO MoEFCC.		Date: 28/11/2024
67	GREENBELT	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
<b>PPs Submission:</b> Agreed to Comply Project yet to be commissioned. Paving of areas such as roads and floors will be started with the start of construction activities. Greening of vacant spaces with lawns/ grasses/ herbs/ shrubs etc. will be undertaken post completion of all civil construction activities.		Date: 28/11/2024
68	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Emergency Preparedness Plan and Disaster Management Plan will be implemented during the project implementation phase.		Date: 28/11/2024
69	Human Health Environment	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Heat stress analysis for the workmen who work in high temperature work zone will be carried out after commissioning of the project. Suitable PPEs will be provided as per the norms.		Date: 28/11/2024

70	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, 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.
<b>PPs Submission:</b> Agreed to Comply JSW are committed to provide temporary housing for construction labour with all necessary infrastructure and basic facilities within the project site before start of project construction activities.		Date: 28/11/2024
71	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
<b>PPs Submission:</b> Agreed to Comply Occupational health surveillance of the workers on a regular basis will be implemented and records will be maintained after the commissioning of the project. Meanwhile the workers engaged in the construction activities are undergoing pre-medical check-up prior to their employment.		Date: 28/11/2024
72	Corporate Environmental Responsibility	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the Village Panchayat and the District Administration as committed.
<b>PPs Submission:</b> Agreed to Comply We have identified 5 villages in the core zone namely Jindas, Bhadana, Manjhwas, Harima and Deh for adoption and developing them into model villages. A socio economic survey has also been carried out by our CSR team. JSW are in the process of consultation with the concerned village panchayats for finalization of community development activities to be undertaken in the adopted villages.		Date: 28/11/2024
73	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approved 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 shareholder's/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
<b>PPs Submission:</b> Complied An environmental policy duly approved by the Board of Directors of JSWCL is in place and is incorporated in the EIA report. Copy of the Board Resolution for the Corporate Environment Policy was submitted along with last EC Compliance Report.		Date: 28/11/2024
74	Corporate Environmental Responsibility	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.
<b>PPs Submission:</b> Complied A separate EMC with a Qualified Environment Person reporting directly to Plant Head has been setup both at unit as well as at corporate level.		Date: 28/11/2024
75	Corporate Environmental	Performance test shall be conducted on all pollution control systems

	Responsibility	every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
<b>PPs Submission:</b> Agreed to Comply Project is yet to be commissioned. Performance test will be conducted on all pollution control systems every year post commissioning of the project.		Date: 28/11/2024
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>	N/A	
<b>Additional Remarks:</b>		
<p style="text-align: center; color: red;"> <b>Note:</b> 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.         </p>		