



File No: J-11011/69/2019-IA-II(I)

Government of India

Ministry of Environment, Forest and Climate Change

IA Division



Date 26/12/2025



To,

M/s. JSW Cement Limited
Village: Gaisabad, Tehsil: Hatta,
District: Damoh, Madhya Pradesh
E-mail: ceo.cement@jsw.in

Subject: Proposed Integrated Cement Project - Clinker (3.0 MTPA), Cement (4.0 MTPA), Captive Power Plant (40 MW) & WHRS (15 MW) by M/s. JSW Cement Limited, located at Village: Gaisabad, Tehsil: Hatta, District: Damoh, Madhya Pradesh-Consideration of EC. - Reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MP/IND1/543141/2025 dated 01/10/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A1101MP5733183N
(ii) File No.	J-11011/69/2019-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants ,1(d) Thermal Power Plants,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Proposed Integrated Cement Project - Clinker (3.0 MTPA), Cement (4.0 MTPA), Captive Power Plant (40 MW) & WHRS (15 MW) at Village: Gaisabad, Tehsil: Hatta, District: Damoh (Madhya Pradesh) by M/s. JSW Cement Limited
(viii) Name of Company/Organization	JSW Cement Limited
(ix) Location of Project (District, State)	DAMOH, MADHYA PRADESH
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S.No. 3(b) Cement Plants and 1(d) Thermal Power Plants under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.

4. The instant proposal is considered in 13th EAC held during 14th & 15th October, 2025, wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The EAC proceedings of the said meeting can be seen using the following web link: at <https://parivesh.nic.in>.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 13th EAC held during 14th & 15th October, 2025, inter-alia, deliberated the following:

i. The instant proposal is for establishment of Integrated Cement Project - Clinker (3.0 MTPA), Cement (4.0 MTPA), Captive Power Plant (40 MW) & WHRS (15 MW).

ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

iv. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

v. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

vi. The Committee noted that the ToR to the project was granted before the notification G.S.R 85(E) dated 30th January, 2025. Accordingly, it reviewed the mitigation measures proposed by the PP w.r.t. the proposed site and nearby sensitive receptors, and found the same as adequate. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.

vii. **PP reported that the Terms of Reference for the proposed Integrated Cement Project was initially granted to M/s Springway Mining Pvt. Ltd. on 1st May, 2019 and later amended on 9th March, 2023 to reflect the revised project configuration and capacity enhancement under the management of the JSW Group. Following the merger of Springway Mining Pvt. Ltd. with M/s JSW Cement Limited, duly approved by the Hon'ble NCLT on 6th May, 2024, the ToR was formally transferred to JSW Cement Limited by MoEF&CC on 26th**

December, 2024. The EIA/EMP report had already been submitted on 7th September, 2023 within the validity period of the ToR (till 30th April, 2024) and was appraised by the EAC in its 46th meeting held on 9th October, 2023, wherein the proponent was advised to re-submit the report with additional information. The subsequent re-submission is in compliance with EAC's directions and forms part of the same continuous appraisal process; hence, it is justified that the ToR remains valid for the purpose of completing the ongoing appraisal of the proposal. Accordingly, the EAC after due deliberation accepted the submission of the Project Proponent and decided to appraise the proposal further.

viii. PP reported that earlier, the total project area for the proposed cement plant was approx. 122.68 ha comprising of 120.46 ha of private agriculture land and 2.22 ha of govt land. ToR Letter in the name of M/s Springway Mining Pvt. Ltd., issued from MoEF&CC, New Delhi vide letter no. J-11011/69/2019-IA.II (I) dated 01st May, 2019 and amendment dated 09th March, 2023, and its subsequent transfer to JSW Cement Limited on 26th December, 2024 was obtained for 122.68 ha land. The Public hearing for the project was also conducted for the same 122.68 ha area. However, due to constraints in acquiring/availability of the Khasra No. 417 (area: 0.273 ha) in southern part of the project site, this parcel has been excluded from the project area and accordingly, the total project area has reduced from 122.68 to 122.409 ha.

ix. Out of the total project area i.e. 122.409 ha, the company has so far acquired 89.687 ha (Private 87.467 ha and Govt 2.22 ha) which is approx. 73.2% of the total project area. In addition to this, the company has obtained consent of land owners of the remaining 32.722 ha area. Present land use of the proposed project site is agriculture land which will be used for industrial purpose after its conversion into Industrial land use. The EAC advised the Project Proponent to complete the process of land acquisition and ensure completion of land use conversion in accordance with applicable State laws and regulations prior to commencement of any construction activity.

x. Gaisabad is at a distance of 0.2 km in South direction of the project site along with other sensitive areas exist within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent 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.

xi. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

xii. Bearma River is at 0.8 Km in NE direction along with other water bodies exists within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented. Further, there is a pond located adjacent to the project site, and the EAC opined that the Project Proponent shall take up its development and beautification as part of the local environmental improvement and conservation measures.

xiii. The proposed Integrated Cement Project is interlinked with the Kol Karhiya Limestone Mine at a reported distance of 1.5 km, from which the company intends to meet its total limestone requirement of 4.0 Million TPA.. The Kol Karhiya Limestone Mine has already been granted Environmental Clearance by the Ministry of Environment, Forest and Climate Change (MoEF&CC) vide letter No. J-11015/114/2015-IA-II(M) dated 18th February, 2022. The Committee advised that transportation of limestone from the mine to the plant shall be carried out through a closed Over Land Belt Conveyor (OLBC) system, as committed, to minimize fugitive dust emissions, reduce traffic congestion, and ensure environmentally sustainable material handling. The Project Proponent shall ensure that the OLBC is established and made operational in a time-bound manner prior to commencement of regular plant

operations.

xiv. The water requirement for the project is estimated as 2500 KLD; which will be met initially from the Bearma River, Mine pit water & Rainwater Harvesting Pond (As & when developed). The EAC opined that necessary permission shall be obtained from the Competent Authority.

xv. The Committee has deliberated on the baseline data and revised incremental GLC due to the proposed project and found it satisfactory.

xvi. It is reported that 14 schedule - I species have been reported in study area of the project site. Company has prepared Wildlife Conservation and allocated Rs. 303.5 Crores for conservation of schedule - I species. The wildlife conservation plan has been approved by the office of the Principal Chief Conservator of Forest (wildlife), Madhya Pradesh on 12th November, 2024. The EAC opined that the recommendations of the approved plan shall be strictly implemented in consultation with the State Forest Department.

xvii. The Committee also deliberated on the public hearing issues and the action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xviii. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

xix. The greenbelt & plantation will be developed in 42.14 ha which is about out 34.43% of the total project area of 122.0409 ha in accordance with CPCB guidelines. It is proposed to plant about 2500 saplings per hectare considering the survival rate of 90% and 3 tire plantation with Miyawaki plantation toward the village Gaisabad will be developed. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be completed as committed as per CPCB norms.

xx. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xxi. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. 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. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxiii. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of

EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 13th EAC held during 14th & 15th October, 2025, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. Accordingly, it is hereby decided to **grant Environment Clearance for instant proposal of M/s. JSW Cement Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**).

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance 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.

13. 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.

14. This issues with approval of the competent authority.

(Dinesh Runiwal)
Scientist 'F'/Director
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Copy To

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Room no. - 234, 2nd Floor VB-2, Vallabh Bhavan, Mantralaya, Bhopal- 462004. Madhya Pradesh. E-mail: psenvironment@mp.gov.in

2. The Deputy Director General of Forests (DDGF), Ministry of Environment, Forest and Climate Change, Regional Office - Bhopal, E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016. Madhya Pradesh.

3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.

4. The Chairman, Madhya Pradesh Pollution Control Board, E-5, Main Rd No. 3, Ekant Park, Arera Colony, Bhopal,

5. The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. The Chief Wildlife Warden, Govt. of Madhya Pradesh, Pragati Bhawan, BDA Building, 3rd Floor, M.P Nagar Zone-1, Hoshangabad Road, Bhopal-462011, Madhya Pradesh. E-mail: pccfwl@mp.gov.in
7. The District Collector, Collectorate, Damoh District, Madhya Pradesh.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

Annexure 1

Specific EC Conditions for (Cement Plants)

1. Specific

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	The Captive Power Plant(s) using coal or lignite shall comply with emission standards notified vide G.S.R. 465(E) dated 11.07.2025.
1.5	Project Proponent shall complete the process of land acquisition and ensure completion of land use conversion in accordance with applicable State laws and regulations prior to commencement of any construction activity.
1.6	Gaisabad is at a distance of 0.2 km in South direction of the project site along with other sensitive areas exist within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent 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.
1.7	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts

S. No	EC Conditions
	arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
1.8	Bearma River is at 0.8 Km in NE direction along with other water bodies exists within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.9	Project Proponent shall take up the development and beautification of the adjacent pond as part of the local environmental improvement and conservation measures.
1.10	PP shall ensure that the transportation of limestone from the interlinked Kol Karhiya Limestone Mine to the proposed Integrated Cement Plant is carried out exclusively through a closed Over Land Belt Conveyor (OLBC) system. The OLBC shall be designed and commissioned in a time-bound manner and made fully operational prior to the commencement of regular plant operations.
1.11	The water requirement for the project is estimated as 2500 KLD; which will be met initially from the Bearma River, Mine pit water & Rainwater Harvesting Pond (As & when developed). Necessary permission shall be obtained from the Competent Authority.
1.12	Three tier Green Belt shall be developed and maintained in atleast 33% of the project area, as committed, of adequate width 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 sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.13	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40%, as the case may be, greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriILiFE portal at (https://merilife.nic.in)
1.14	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 shall be strictly implemented, which is amounting to Rs. 34.5 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1.15	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with the State Administration.

S. No	EC Conditions
1.16	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSOP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1.17	PP is encouraged to deploy electric or battery-operated vehicles for internal transportation within the plant premises and for material handling wherever feasible.
1.18	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1.19	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reoorted to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1.20	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported.
1.21	The project proponent shall undertake periodic health monitoring of the residents in nearby villages, focusing on respiratory and other environment-related health parameters, and undertake appropriate measures for their well-being
1.22	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1.23	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.
1.24	Necessary coordination shall be made with concerned SPCB/ UTPCC (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE

Standard EC Conditions for (Cement plants)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	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.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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.
2.2	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.
2.3	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.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	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.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	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

S. No	EC Conditions
	materials and cover them with tarpaulin.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	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, adsorbers, 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.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	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.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.17	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.

3. Air Quality Monitoring And Preservation In Case Of Integrated Cement Plants

S. No	EC Conditions
3.1	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x emissions.
3.2	The emission norms applicable for the cement plant shall be adhered to.
3.3	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.4	DeSO _x system shall be provided dry type. NO _x level shall be maintained below 600 mg/Nm ³ by using best available technology.

S. No	EC Conditions
3.5	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.
3.6	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
3.8	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
3.9	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	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.
4.3	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.
4.4	Water meters shall be provided at the inlet to all unit processes in the plants.
4.5	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.
4.6	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.
4.7	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.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan

S. No	EC Conditions
	submitted in the EIA/EMP report.
4.9	Air Cooled condensers shall be used in the captive power plant.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	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.
5.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	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;
6.2	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Integrated Cement Plants

S. No	EC Conditions
7.1	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.
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
7.4	Waste heat recovery system shall be provided for kiln and cooler.

8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
8.2	Kitchen waste shall be composted or converted to biogas for further use.
8.3	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.
8.4	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 https://cpcb.nic.in/technical-guidelines-3/ . 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.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

9. Green Belt

S. No	EC Conditions
9.1	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.
9.2	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.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	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.

S. No	EC Conditions
10.3	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.
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

11. Environment Management

S. No	EC Conditions
11.1	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.
11.2	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 as a part of six-monthly report.
11.3	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.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

12. Miscellaneous

S. No	EC Conditions
12.1	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.
12.2	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.
12.3	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

S. No	EC Conditions
	basis.
12.4	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.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	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.
12.7	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.
12.8	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.
12.9	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.
12.10	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.
12.11	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.
12.12	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).
12.13	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.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

S. No	EC Conditions
12.16	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.
12.17	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.

Additional EC Conditions

Not Applicable

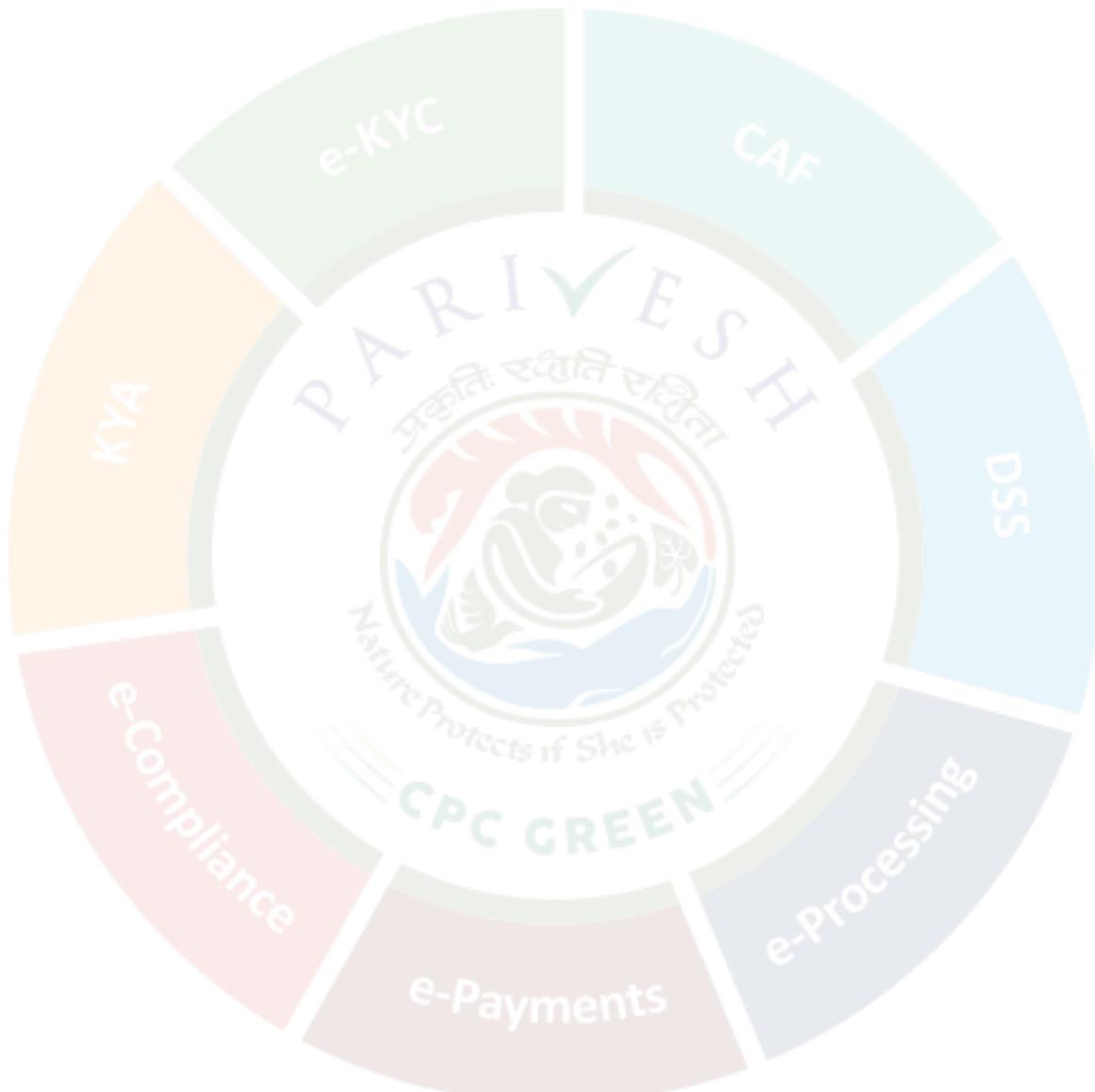


Details of the proposal are as per the EIA/EMP report

S. No.	Particulars	Details	Remarks																					
1.	Total land	Earlier, the total project area for the proposed cement plant was approx. 122.68 ha comprising of 120.46 ha of private agriculture land and 2.22 ha of govt land. ToR Letter in the name of M/s Springway Mining Pvt. Ltd., issued from MoEF&CC, New Delhi <i>vide</i> letter no. J-11011/69/2019-IA.II (I) dated 01 st May, 2019 and amendment dated 09 th March, 2023, and its subsequent transfer to JSW Cement Limited on 26 th December, 2024 was obtained for 122.68 ha land. The Public hearing for the project was also conducted for the same 122.68 ha area. However, due to constraints in acquiring/availability of the Khasra No. 417 (area: 0.273 ha) in southern part of the project site, this parcel has been excluded from the project area and accordingly, the total project area has reduced from 122.68 to 122.409 ha.	Land Use- Present land use of the proposed project site is agriculture land which will be used for industrial purpose after its conversion into Industrial land use.																					
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Out of the total project area i.e. 122.409 ha, the company has so far acquired 89.687 ha (Private 87.467 ha and Govt 2.22 ha) which is approx. 73.2% of the total project area. In addition to this, the company has obtained consent of land owners of the remaining 32.722 ha area.	-																					
3.	Existence of habitation & involvement of R&R, if any.	<p>Project Site: No habitation exists within the project site</p> <p>Study Area: Villages nearby the project site are as below:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Gaisabad</td> <td>~0.2</td> <td>SSE</td> </tr> <tr> <td>Mahuwa Kheda (Khurd)</td> <td>~1.0</td> <td>NW</td> </tr> <tr> <td>Itwa Chakka</td> <td>~2.5</td> <td>NW</td> </tr> <tr> <td>Basan</td> <td>~1.0</td> <td>NNW</td> </tr> <tr> <td>Bichhuwa Chhakka</td> <td>~1.5</td> <td>WNW</td> </tr> <tr> <td>Garreh</td> <td>~1.2</td> <td>West</td> </tr> </tbody> </table> <p>However, total 58 nos. of villages falling in the Study area of 10 km radius.</p>	Habitation	Distance (km)	Direction	Gaisabad	~0.2	SSE	Mahuwa Kheda (Khurd)	~1.0	NW	Itwa Chakka	~2.5	NW	Basan	~1.0	NNW	Bichhuwa Chhakka	~1.5	WNW	Garreh	~1.2	West	As per LARR, 2013 provisions, the total R & R compensation of land works out to be Rs. 21.09 Crore whereas JSW Cement is purchasing land on mutually agreed terms and conditions based on which the total compensation for 64.71 ha. land to be purchased will be Rs. 45.90 Crore (Rs. 37.5 Lakh per Ha).
Habitation	Distance (km)	Direction																						
Gaisabad	~0.2	SSE																						
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Basan	~1.0	NNW																						
Bichhuwa Chhakka	~1.5	WNW																						
Garreh	~1.2	West																						

S. No.	Particulars	Details			Remarks																					
4.	Latitude and Longitude of all corners of the project site	S. No	Latitude	Longitude																						
		1.	24°14'53.18"N	79°49'39.04"E																						
		2.	24°14'27.18"N	79°49'36.52"E																						
		3.	24°14'23.51"N	79°49'21.30"E																						
		4.	24°14'25.53"N	79°49'21.56"E																						
		5.	24°14'25.66"N	79°49'19.81"E																						
		6.	24°14'23.34"N	79°49'20.36"E																						
		7.	24°14'16.58"N	79°48'51.81"E																						
		8.	24°14'46.37"N	79°48'44.02"E																						
	5.	Elevation of the project site	308 to 317 above mean sea level.																							
	6.	Involvement of Forest land if any.	No forest land is involved in the proposed project.		NOC for No forest land involvement in the project area has been obtained from Forest Dept., Govt. of Madhya Pradesh dated 11 th Nov., 2024.																					
	7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	<p>Project site: There is no water body in the project site.</p> <p>Study area: Following water bodies are falling in the 10 km radius study area:</p> <table border="1" data-bbox="480 1264 1139 1534"> <thead> <tr> <th data-bbox="480 1264 726 1298">Water body</th> <th data-bbox="726 1264 933 1298">Distance (km)</th> <th data-bbox="933 1264 1139 1298">Direction</th> </tr> </thead> <tbody> <tr> <td data-bbox="480 1298 726 1331">Bearma River</td> <td data-bbox="726 1298 933 1331">0.8</td> <td data-bbox="933 1298 1139 1331">NE</td> </tr> <tr> <td data-bbox="480 1331 726 1365">Sonar River</td> <td data-bbox="726 1331 933 1365">7.0</td> <td data-bbox="933 1331 1139 1365">NNE</td> </tr> <tr> <td data-bbox="480 1365 726 1399">Chikhla Nala</td> <td data-bbox="726 1365 933 1399">4.0</td> <td data-bbox="933 1365 1139 1399">ESE</td> </tr> <tr> <td data-bbox="480 1399 726 1432">Marwa Nala</td> <td data-bbox="726 1399 933 1432">5.5</td> <td data-bbox="933 1399 1139 1432">SE</td> </tr> <tr> <td data-bbox="480 1432 726 1466">Gahra Nala</td> <td data-bbox="726 1432 933 1466">8.0</td> <td data-bbox="933 1432 1139 1466">North</td> </tr> <tr> <td data-bbox="480 1466 726 1500">Gairawan Nala</td> <td data-bbox="726 1466 933 1500">8.5</td> <td data-bbox="933 1466 1139 1500">South</td> </tr> </tbody> </table>	Water body	Distance (km)	Direction	Bearma River	0.8	NE	Sonar River	7.0	NNE	Chikhla Nala	4.0	ESE	Marwa Nala	5.5	SE	Gahra Nala	8.0	North	Gairawan Nala	8.5	South		
Water body	Distance (km)	Direction																								
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Gairawan Nala	8.5	South																								
	8.	Existence of ESZ/ESA/national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area.	<p>Study area: There is no ESZ/ESA/National Park / Wildlife Park / Wildlife Sanctuary/ Biosphere reserve/ Tiger reserve/ Elephant reserve within the 10 km radius study area.</p> <p>Name of the ESZ/ESA: Not Applicable</p> <p>Status of Notification: Not Applicable</p> <p>Distance of project from ESZ/ ESA: Not Applicable</p> <p>Authenticated map of ESZ projecting distance of ESZ from Project site: Not Applicable</p> <p>Status of NBWL approval: Not Applicable</p> <p>List of Reserved and Protected Forest: Pagra PF (6.5 km in NNE direction)</p>		-																					

S. No.	Particulars	Details	Remarks
9.	Details of inter-linked Projects needs to be submitted	<p>Interlinked Project: There is an interlinked mine i.e. Kol Karhiya Limestone Mine and company will source limestone requirement of 4.0 Million TPA for Integrated Cement Project from this Limestone Mine only. Environment Clearance was granted by the MoEF&CC vide letter No. J-11015/114/2015-IA-II(M), dated 18th Feb., 2022.</p>	-



Unit configuration and capacity

S. No.	Plant Equipment / Facility	Proposed Unit	
		Configuration	Capacity
1.	Clinker	Kiln - 9000 TPD	3.0 Million TPA
2.	Cement (OPC & PPC)	Cement Mill - 1 x 600 TPH	4.0 Million TPA
3.	WHRS	PH Boiler - 20 TPH AQC Boiler - 25 TPH	15 MW
4.	CPP	180 TPH	40 MW



Action plan as per MoEF&CC O.M. dated 30/09/2020

The company has allocated Rs. 2510 Lakhs (25.10 Crores) to address the issues raised during the public hearing and Rs. 940 Lakhs (9.4 Crores) for the model development. The total Rs. 3450 Lakhs (34.5 Crores) has been allocated by the company for the public hearing action plan

Proposed Socio- economic Development Plan for Proposed Integrated Cement Plant

Concern s raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tot al Bud get (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Bud get in Lak hs	Location / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
Liveliho od related	Establish ment of Skill Development Centre for training & Capacity building for local youth and women with Worksho p shed, tools and tackles machine, for repair of sewing m/c, TV & Mobile, Two-	Gaisabad Village	80	Gaisabad Village	40	-	0	120	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)
		1 st Year		2 nd Year		3 rd Year		
Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
Wheeler, Electric gadget, Cutting & Welding etc. installation 20 nos. of computer systems, 30 nos. of machines for making hand craft items along with necessary raw materials, near plant premises in separate land.								
Development of cloth stitching centre at Gaisabad (50 stitching machine	1 nos. (Village Gaisabad)	12	1 nos. (Village Gaisabad)	12	1 nos. (Village Gaisabad)	12	36	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
	& 1 hall (40X50 feet), toilet:2 (size: 3X5 feet each), Installation of RO-1								
	Development of Livestock Development Centre	-	0	Village Gaisabad	30	-	0	30	
Education related	Renovation, Repairing and Painting of Classrooms in Govt. Schools of nearby area (Total 28 Classrooms)	2 Schools / Gaisabad/Kolkarahiya	30	3 Schools / Sanjay Nagar, Garreh & Mahua Kheda Villages	20	2 School/Sanjay Nagar/Raikra	20	70	
	Ensuring proper Sanitation Facilities at School by building Toilet	Gaisabad, Kolkarahiya (2 schools in each village)	10	Kulwa, Devri Villages (2 schools in each village)	10	Sanjay Nagar, Mahua Kheda (2 schools in each village)	10	30	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
units separate for boys & girls									
Developing Smart Classrooms in the Govt. Schools to promote digital learning	Gaisabad, Kolkarahiya (2 schools in each village)	15	Kulwa, Devri Villages (2 schools in each village)	15	Sanjay Nagar, Mahua Kheda (2 schools in each village)	15	45		
Providing basic amenities like Educational kits, Furniture, library set up, Green Boards, water coolers etc.	All Govt. schools of village Gaisabad & Kolkarahiya	40	All Govt. Schools of village Devri & Raikra	15	-	-	55		
Model School development through developing infrastructure, teaching and learning tools,	Gaisabad Village	75	Kolkarahiya	75	-	-	150		

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
innovative adds including activity based material for Science, Math and English as well as ICT facilities for improve teaching and learning education in Schools:									
Health Related	Renovation of sub-Health centre with infrastructure support	Village Gaisabad	10	Village Devri	10	Village Kolkarahiya	10	30	
	Mobile Health Van for facilitating primary health care near services near	8 Villages / Gaisabad, Kol karahiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	60	8 Villages / Gaisabad, Kol karahiya, Devri, Raikra, Mahua Kheda, Sanjay	30	-	-	90	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
	plant area			Nagar, Kulwa					
	Infrastructure facilities Improvement in Health Sub-Centers	Village Gaisabad	5	Village Kolkarhiya	5	Village Devri	5	15	
Environment Related	Green energy initiative through Street Solar lights installation in the project Villages	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	15	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	10	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	10	35	
	Plantation drives with Tree guards in Villages & Schools	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	15	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	15	8 Villages / Gaisabad, Kolkarhiya, Devri, Raikra, Mahua Kheda, Sanjay Nagar, Kulwa	17	47	
	Deepening & beautification	Village Gaisabad	-	Village Gaisabad	30	-	0	30	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
	ation work of village pond								
Water related	Beautification of Ram Mandir pond at Gaisabad Village - construction of ghat (30X30 meter), Cemented chair sitting-6 and plantation-50 and solar light- 5	Village Gaisabad	-	Village Gaisabad	14	-	0	14	
	Installation of RO System and Rooftop Rain water harvesting structure in nearby Schools.	Village Gaisabad, Kol karahiya & Garreh	15	Village Mahua Kheda & Devri, Raikra	15	-	-	30	
	Deepening work of bada talab/Pond at	Village Gaisabad	-	-	0	Village Gaisabad	38	38	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
	Village Gaisabad								
Women Empowerment	Women enterprise development & Strengthening of SHG/VO /CLF community institutions	Gaisabad, Garreh, Bichu Chakka, Itwa Chakka, Kolkarhiya, Devri, Raikra, Sanjay Nagar, Mahua Kheda & Kulwa	100	Gaisabad, Garreh, Bichu Chakka, Itwa Chakka, Kolkarhiya, Devri, Raikra, Sanjay Nagar, Mahua Kheda & Kulwa	50	-	-	150	
Infrastructure Related	CC road construction with drainage in the Village (Length around 4 KM, Approx. width: 3.5 meter)	Village Kolkarhiya	200	Village Kolkarhiya	200	-	-	400	
	Road repair work along with drainage inside the Village (Length around	Village Kolkarhiya	75	Village Kolkarhiya	100	-	-	175	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
2.5 KM, Approx. width: 3.5 meter)									
Road repair work along with drainage inside and outside the Village (Length: around 7.0 KM, Approx. width: 3.5)	Village Gaisabad	200	Village Gaisabad	200	-	0	400		
Construction of community hall (40X50 feet) along with 02 nos of Toilet (3X5 feet) and 01 nos Bathroo m (3X5 feet) at Village Kolkarhiya,	1 Community Hall at Gaisabad Village	50	1 Community Hall at Kolkarhiya	50	1 Community Hall at Bichua Chakka Village	50	150		

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
Conversion of Nursery into Public Park at Gaisabad Village (area 2 hec, solar lighting 100 nos, Sitting chair: 50 nos, walkway length: 1000 mtr by paver block, 3 feet width, boundary wall with iron fence: 700 meter, 4 feet height & revolving iron gate- 2, toilets- 2 and plantation 100 nos etc,	Gaisabad Village	150	Gaisabad Village	50	-	-	200		
Construction &	Gaisabad Village	10	Gaisabad Village	4	-	0	14		

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
beautification of approach road to Khermat a temple at Gaisabad (Road length: 300 feet, fencing work: 400 meter, Cemented sitting chair: 5, Plantation: 50 no. Solar light: 5)									
Repair work of Ravidas temple ghat at Village Garreh (Size 90X60 mtr)	Garreh Village	48	-	-	-	-	-	48	
Repair work of Bajarang bali temple ghat at Village Garreh (Size	Garreh Village	0	-	0	Sarasani Village	48	48		

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
	90X60 mtr)								
<i>Sports related</i>	Construction of Playgroun d (400 mtr radius) along with sitting arrangement, Volley ball poll with net and Football goal post and Cricket Pit at Village Kolkarhi ya	-	0	-	0	Kolkarhi ya village	15	15	
	Construction of Playgroun d (400 mtr radius) along with sitting arrangement, Volley ball poll with net and	-	0	-	0	Gaisabad Village	15	15	

Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Total Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
Football goal post and Cricket Pit at Village Gaisabad									
Promotion of sports spirits and donating sports equipments to the schools in nearby Villages	Village Gaisabad, Kolkarhiya, Devri	10	Village Sanjay Nagar, Garreh, Mahua Kheda	10	Village Itwa Chakka, Bichua Chakka & Bleh	10	30		
Total		122 5			101 0		275	251 0	

Proposed Action Plan for Model Village Development

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement								Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4 th Year			
		Location / Area	Budget in Lakhs								
Health	Ensuring Primary Health Care services in villages	3 Villages of Core Zon	15	75							

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement										Tentative Budget (Rs. in lacs)
		1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year		
Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
	alongwith specific camps	e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		
	Infrastructure development in health sub Centre	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	50
Education	Repairing and renovation of Primary and Middle Schools	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	50
	Teaching and Learning Development	3 Villages of Core	15	75								

Concer ns raised durin g the Public Heari ng	Activity to be done	Unit of Measurement										Ten tativ e Bud get (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4th Year		5th Year			
		Loc atio n / Are a	Bu dg et in La kh s										
	Program for Govt. School Students ensuring quality of education, improving learning level among the students, concept clarity, increasing attendance percentage	e Zone - Gaisabad, Devri & Garr eh		e Zone - Gaisabad, Devri & Garr eh		e Zone - Gaisabad, Devri & Garr eh		e Zone - Gaisabad, Devri & Garr eh		e Zone - Gaisabad, Devri & Garr eh			
Wome n Empo werme nt	Promotion of women enterpris e development	3 Vill ages of Cor e Zone - Gaisabad, Devri & Garr eh	8	3 Vill ages of Cor e Zone - Gaisabad, Devri & Garr eh	8	3 Vill ages of Cor e Zone - Gaisabad, Devri & Garr eh	8	3 Vill ages of Cor e Zone - Gaisabad, Devri & Garr eh	8	3 Vill ages of Cor e Zone - Gaisabad, Devri & Garr eh	8	40	

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement										Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year			
		Location / Area	Budget in Lakhs										
	Training & Capacity development towards sustainable income generation activities	3 Villages of Core Zone - Gaisabad, Devri & Gareh	10	3 Villages of Core Zone - Gaisabad, Devri & Gareh	10	3 Villages of Core Zone - Gaisabad, Devri & Gareh	10	3 Villages of Core Zone - Gaisabad, Devri & Gareh	10	3 Villages of Core Zone - Gaisabad, Devri & Gareh	10	50	
Sports	Developing Sports facilities in the schools with Kits & equipment	3 Villages of Core Zone - Gaisabad, Devri & Gareh	7	3 Villages of Core Zone - Gaisabad, Devri & Gareh	7	3 Villages of Core Zone - Gaisabad, Devri & Gareh	7	3 Villages of Core Zone - Gaisabad, Devri & Gareh	7	3 Villages of Core Zone - Gaisabad, Devri & Gareh	7	35	
	Community Level Sports Promotion Events	3 Villages of Core Zone - Gaisabad, Devri &	3	3 Villages of Core Zone - Gaisabad, Devri &	3	3 Villages of Core Zone - Gaisabad, Devri &	3	3 Villages of Core Zone - Gaisabad, Devri &	3	3 Villages of Core Zone - Gaisabad, Devri &	3	15	

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement										Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year			
		Location / Area	Budget in Lakhs										
	Garr eh		Garr eh		Garr eh		Garr eh		Garr eh				
Sustainable Livelihood	Agriculture development through promotion of improved package of practices, adotion of scientific method/techniques, Vegetable promotion.	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	10	50	
	Livestock Development through Ration balancing program, Breed Improvement, Clean milk production, Vaccination	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	75	

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement										Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year			
		Location / Area	Budget in Lakhs										
	ion Drive, Animal Health Camps etc.												
Water Management	Promotion of potable water facilities & Awareness on Rain water harvesting, water conservation	3 Villages of Core Zone - Gaisabad, Devri & Gareh	5	3 Villages of Core Zone - Gaisabad, Devri & Gareh	5	3 Villages of Core Zone - Gaisabad, Devri & Gareh	5	3 Villages of Core Zone - Gaisabad, Devri & Gareh	5	3 Villages of Core Zone - Gaisabad, Devri & Gareh	5	25	
Community Assets	Renovation of Village Roads	3 Villages of Core Zone - Gaisabad, Devri & Gareh	50	3 Villages of Core Zone - Gaisabad, Devri & Gareh	50	3 Villages of Core Zone - Gaisabad, Devri & Gareh	50	3 Villages of Core Zone - Gaisabad, Devri & Gareh	50	3 Villages of Core Zone - Gaisabad, Devri & Gareh	50	250	
	Community infrastructure development for sustainable	3 Villages of Core Zone	15	75									

Concerns raised during the Public Hearing	Activity to be done	Unit of Measurement										Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year			
		Location / Area	Budget in Lakhs										
	le future growth	e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh		e - Gaisabad , Devri & Garr eh			
Environment Management	Promotion of green energy infrastructure through Solar Street lights in the Villages	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	3 Villages of Core Zone - Gaisabad , Devri & Garr eh	15	75	
		Total	18 8		18 8		18 8		18 8		18 8	940	
		Grand Total										9.40 Crore	

NOTE: Nature of the activities & village can be interchanged from village to village may vary based on the outcome of need base analysis during the execution phase in coordination with local Gram Panchayat within the overall budget proposed here for Socio- Economic Development Plan.

Budget for EMP

Area	Particulars	Capital Cost (Rs. Crore)	Recurring Cost per annum (Rs. Crore)
Air Pollution Control (A)	Bag house for raw mill & kiln	12	8.46
	ESP for cooler	9	
	Bag House of coal mill	3	
	Low Nox Multi channel Burner for kilns & one standby	5	
	Bag House of cement mills	6	
	Covered Sheds - Limestone, Coal and Gypsum	25	
	Bag filters at material transfer points - 70 nos	10	
	Internal Concrete Roads	21	
	Approach road from plant main gate to SH-49	3	
	Silos for material storage - Clinker, Raw Meal, Fine coal, fly ash and Cement	40	
	Sheet covering for dust control (entire plant)	7	
	Sub-total (A)	141	8.46
Noise Pollution Control (B)	Installation of sound-absorptive barriers (1000M length x 3M height) along the plant boundary near habitations.	70	5.0
Wastewater Management (B)	Installation of STP	0.6	0.06
	Central Monitoring Basin and Neutralization pit for CPP and WHRS	0.5	
	Sub-total (B)	1.1	0.06
Energy Conservation Measures (C)	Solar street Lights (20 nos) and LED Lights (12 W -1000 nos)	0.15	0.06
	Variable Frequency Drives, SPRS for HT motors and compressors	10	
	Sub-total (C)	10.15	0.06
Solid Waste Management (D)	Alternate fuels - Waste processing facility	30	1.8
	Sub-total (D)	30	1.8
R&R (E)	Land & other assets, need based activities etc.	40	-
	Sub-total (E)	40	-
Greenbelt development (F)	Greenbelt Development	3	0.18
	Sub-total (F)	3	0.18
Rainwater Harvesting Structures (G)	Rainwater Harvesting-	0.32	0.195
	1) Rooftop (CCR, Stores, Admin building etc.)		
	2) RWH Pit with piping		

Area	Particulars	Capital Cost (Rs. Crore)	Recurring Cost per annum (Rs. Crore)
	Sub-total (G)	0.32	0.195
Environmental monitoring (H)	Meteorology (Met station)	0.03	0.002
	Equipment for manual monitoring (Stack, AAQ, Fugitive emission, noise, work zone dust etc.)	0.05	0.003
	Consumables & calibration of equipment	-	0.1
	Ambient Air Quality Monitoring stations (CAAQMS- 4 nos.)	2.5	0.1
	Stack Emissions (CEMS- 4 nos. including SO2 & NOx analysers for Kiln & CPP)	1	0.05
	Environment monitoring (3 rd party)	-	0.2
	Stack emission, ambient air quality, Soil Quality, Surface water quality, Ground Water Quality, Waste Water, Noise	-	0.1
	Performance evaluation of major Pollution control equipment	-	0.1
	Sub-total (H)	3.58	0.555
	Total	299.15	11.31

