



File No: IA-J-11011/27/2024-IA-II(IND-I)

Government of India

Ministry of Environment, Forest and Climate Change

IA Division



Date 07/01/2026



To,

M/s. JK CEMENT LIMITED
Village: Muddapur, Taluka: Mudhol
District: Bagalkot, Karnataka 587122
E-mail: rajeev.tiwarey@jkcelement.com

Subject: Proposed Expansion of Integrated Cement Plant - Clinker (2.64 to 6.84 Million TPA), Cement (3.5 to 8.5 Million TPA), WHRS (18 to 45 MW), DG Sets {1000 kVA (2 x 500 kVA) to 2250 kVA [(2 x 500 kVA) & (1 x 1250 kVA)]}, Residential Colony (Built-up area 18523.24 sq. m. to 25549.52 sq.m) along with installation of Railway Siding with Wagon tippler without change in Existing CPP (25 MW) by M/s. J K Cement Limited, located at Village: Muddapur, Taluka: Mudhol, District: Bagalkot, Karnataka- Consideration of EC - Reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KA/IND1/553661/2025 dated 02/12/2025 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.	EC25A1101KA5207664N
(ii) File No.	IA-J-11011/27/2024-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants ,1(d) Thermal Power Plants,8(a) Building / Construction ,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion of Integrated Cement Plant - Clinker (2.64 to 6.84 Million TPA), Cement (3.5 to 8.5 Million TPA), WHRS (18 to 45 MW), DG Sets { 1000 kVA (2 x 500 kVA) to 2250 kVA [(2 x 500 kVA) & (1 x 1250 kVA)]}, Residential Colony (Built-up area 18523.24 sq. m. to 25549.52 sq.m)

	along with installation of Railway Siding with Wagon tippler without change in Existing CPP (25 MW) at Village: Muddapur, Taluka: Mudhol, District: Bagalkot (Karnataka) by JK Cement Limited
(viii) Name of Company/Organization	JK CEMENT LIMITED
(ix) Location of Project (District, State)	BAGALKOTE, KARNATAKA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at schedule 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 17th EAC held during 8th – 9th December, 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 17th EAC held during 8th – 9th December, 2025, inter-alia, deliberated the following:

i. The instant proposal is for expansion of Integrated Cement Plant with production capacity of Clinker (2.64 to 6.84 Million TPA), Cement (3.5 to 8.5 Million TPA), WHRS (18 to 45 MW), DG Sets {1000 kVA (2 x 500 kVA) to 2250 kVA [(2 x 500 kVA) & (1 x 1250 kVA)]}, Residential Colony (Built-up area 18523.24 sq. m. to 25549.52 sq.m) along with installation of Railway Siding with Wagon tippler without change in Existing CPP (25 MW).

ii. The existing cement plant was accorded Environment Clearance vide letter no. J-11011/263/2009-IA II (I) dated 21st June, 2010 for expansion in Cement Grinding Unit (2.50 MTPA to 3.5 MTPA) in the name of M/s. Jaykaycem Limited; further, obtained the change in product mix to manufacture cement-based adhesive without increasing the production capacity vide letter dated 26th Sept., 2012; further, the EC has been transferred from M/s. Jaykaycem Ltd. to M/s. JK Cement Limited vide MoEFCC File no. J-11011/263/2009-IA.II (I) on dated 12th July, 2022. Consent to operate for the existing unit was accorded by Karnataka State Pollution Control Board vide consent no. AW-340496 dated 6th November, 2023. The validity of CTO is up to 30th June, 2026.

iii. 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.

iv. 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.

v. 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.

vi. 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.

vii. The Committee noted that the project is an expansion proposal and 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.

viii. PP submitted that the total area is 152.8 ha [Existing: 104.55 ha and Additional land 48.25 ha], and the present land use of the plant site is Industrial type. Total land is already under the possession of the company.

ix. Bommanbudni is at a distance of 0.67 Km (WSW) along with other sensitive areas 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.

x. 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.

xi. Nallah is at a distance of 50 m in WNW along with other water bodies within 10 Kms. radius 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.

xii. The Committee noted that while the proposed project does not involve any interlinked projects as informed by PP, the limestone requirement for the plant is proposed to be met from three limestone mines that already possess valid Environmental Clearances. These include: (i) the Halki Limestone Mine (ML area 124.24 ha; 2.0 MTPA) and (ii) the Muddapur Limestone Mine (ML area 161.87 ha; 2.0 MTPA), both located in Mudhol Taluk, Bagalkot District, Karnataka, for which Environmental Clearances were granted by MoEF&CC on 21 January 2008; and (iii) the Hanamaneri Limestone Mine Block (445.37 ha) with a proposed limestone production capacity of 4.0 MTPA and total excavation of 6.13 MTPA, including crusher (1300 TPH) and OLBC (1200 TPH, 14 km) facilities, which has been accorded Environmental Clearance by MoEF&CC on 09 December 2024. The Committee accordingly took note that raw material sourcing is fully covered under existing ECs and does not involve any additional interlinked appraisal.

xiii. The total water requirement after expansion will be 3204 KLD which will be obtained from Ground Water (800 KLD), Ghatprabha river and rainwater stored in mine sump. The EAC opined that the PP shall secure the required approval from the appropriate authority.

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

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

xvi. 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.

xvii. It is reported that Eleven Schedule- I species are found within 10 km radius of the study area. The Wildlife Conservation Plan for Schedule - I species have also been prepared and submitted to DCF Office, Bagalkot on 08.06.2024 for its further authentication. The EAC opined that the recommendations of the approved plan shall be strictly implemented in consultation with the State Forest Department.

xviii. PP reported that existing greenbelt has been developed in 104.55 ha area which is about 46.02 % of the total project area of 104.55 ha with a total sapling of 1020300 Trees and after expansion 12.14 ha (25.16%) area will be additionally developed as greenbelt and plantation, thus, total ~60.26 ha (39.43%) area will be developed and maintained as greenbelt & plantation. 30350 saplings will be planted after the proposed expansion, thus total saplings after the proposed expansion will be 150650. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be completed in a period of 1 year and maintained as per CPCB norms.

xix. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and opined that PP shall ensure compliance with the applicable GHG emission intensity targets prescribed under the CCTS (Carbon Credit Trading Scheme).

xx. The EAC also deliberated on the certified compliance report of RO, MOEF&CC and found it satisfactory.

xxi. The Committee noted the undertaking submitted by the Project Proponent regarding the clarification on the stay order of the Hon'ble High Court pertaining to the use of water from the Hidkal Reservoir. The Committee observed that, as per the undertaking, JK Cement Works, Muddapur is not drawing any water from the Hidkal Reservoir, which is located approximately 70 km from the plant site, and that the reference made during the Public Hearing was not applicable to the present operations. The PP clarified that the plant utilizes surface water from the Ghatprabha River, harvested rainwater from the mine pit, and groundwater sourced with due permissions from the Water Resources Department and the Karnataka Ground Water Authority, as applicable. The Committee opined that the PP shall continue to draw water only from the approved sources and maintain valid permissions from the concerned authorities. The PP shall also ensure that no water is sourced from the Hidkal Reservoir unless and until explicit approval is obtained and the stay of the Hon'ble High Court is vacated.

xxii. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xxiii. 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.

xxiv. 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.

xxv. 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.

Recommendation of EAC

8. In view of the foregoing and after detailed deliberations, the committee recommended the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance subject to uploading of written submission, on the PARIVESH portal. The EAC categorically noted 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. The specific and general conditions are mentioned in ensuing paras.

Decision of MoEFCC

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto, and accepted 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. It 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. JK 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)

Copy To

1. The Secretary, Forest, Environment & Ecology Department, Karnataka Government Secretariat, Room No. 448, 4th Floor, Gate No. 2, M. S. Building, Bangalore-560001.
2. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore – 560034. E-mail: rosz.bng-mef@nic.in
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Chief Wildlife Warden, Karnataka Forest Department, Government of Karnataka. Aranya Bhawan, 2nd floor, 18th Cross, Maleshwaram, Bangalore-560003.
5. The Chairman, Karnataka State Pollution Control Board, Parisara Bhavana, No#49, Church Street , Bengaluru – 560001. E-mail: chairman@kspcb.gov.in ms@kspcb.gov.in
6. Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
7. The Deputy Commissioner, Deputy Commissioner's Office, Bagalkot, Karnataka.
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 implement strict and regular housekeeping measures, ensuring proper management of materials, waste, and general cleanliness to maintain safe, organized, and

S. No	EC Conditions
	environmentally compliant operations, as committed. PP shall implement dust suppression measures in nearby villages also, in coordination Gram sabha/ equivalent representatives .
1.6	Bommanbudni is at a distance of 0.67 Km (WSW) along with other sensitive areas 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 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	Nallah is at a distance of 50 m in WNW along with other water bodies within 10 Kms. radius 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	The total water requirement after expansion will be 3204 KLD which will be obtained from Ground Water (800 KLD), Ghatprabha river and rainwater stored in mine sump. PP shall secure the required approval from the appropriate authority.
1.10	PP shall continue to draw water only from the approved sources and maintain valid permissions from the concerned authorities. The PP shall also ensure that no water is sourced from the Hidkal Reservoir unless and until explicit approval is obtained and the stay of the Hon'ble High Court is vacated. PP to monitor GW level on quarterly basis, to assess the impact of extraction, and take suitable management measures like water recharging, rain water harvesting etc.
1.11	Greenbelt shall be developed/ maintained in the project area in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. As committed, total greenbelt shall be developed and maintained in ~60.26 ha (39.43%) with total saplings of 150650 in a period of 1 year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.12	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the 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)
1.13	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. 33 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

S. No	EC Conditions
	be submitted regularly to the Regional Office of MoEF&CC.
1.14	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (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. 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.
1.15	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1.16	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 reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1.17	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
1.18	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. A comparative study of change in agriculture yield during the past ten years may be undertaken for 3km radius.
1.19	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.
1.20	PP shall ensure compliance with the applicable GHG emission intensity targets prescribed under the CCTS (Carbon Credit Trading Scheme).
1.21	Necessary coordination shall be made with concerned SPCB/ UTPCC (who is responsible for Compliance of OM dated 14-01-2025, as amended) 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 and at quenching towers 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 materials and cover them with tarpaulin.

S. No	EC Conditions
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.
3.5	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the

S. No	EC Conditions
	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	Tyre washing facilities shall be provided at the entrance of the plant gates.
4.5	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.6	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.7	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.
4.8	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.

S. No	EC Conditions
4.9	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

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.

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. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
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

S. No	EC Conditions
	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.
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.

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

11. Environment Management

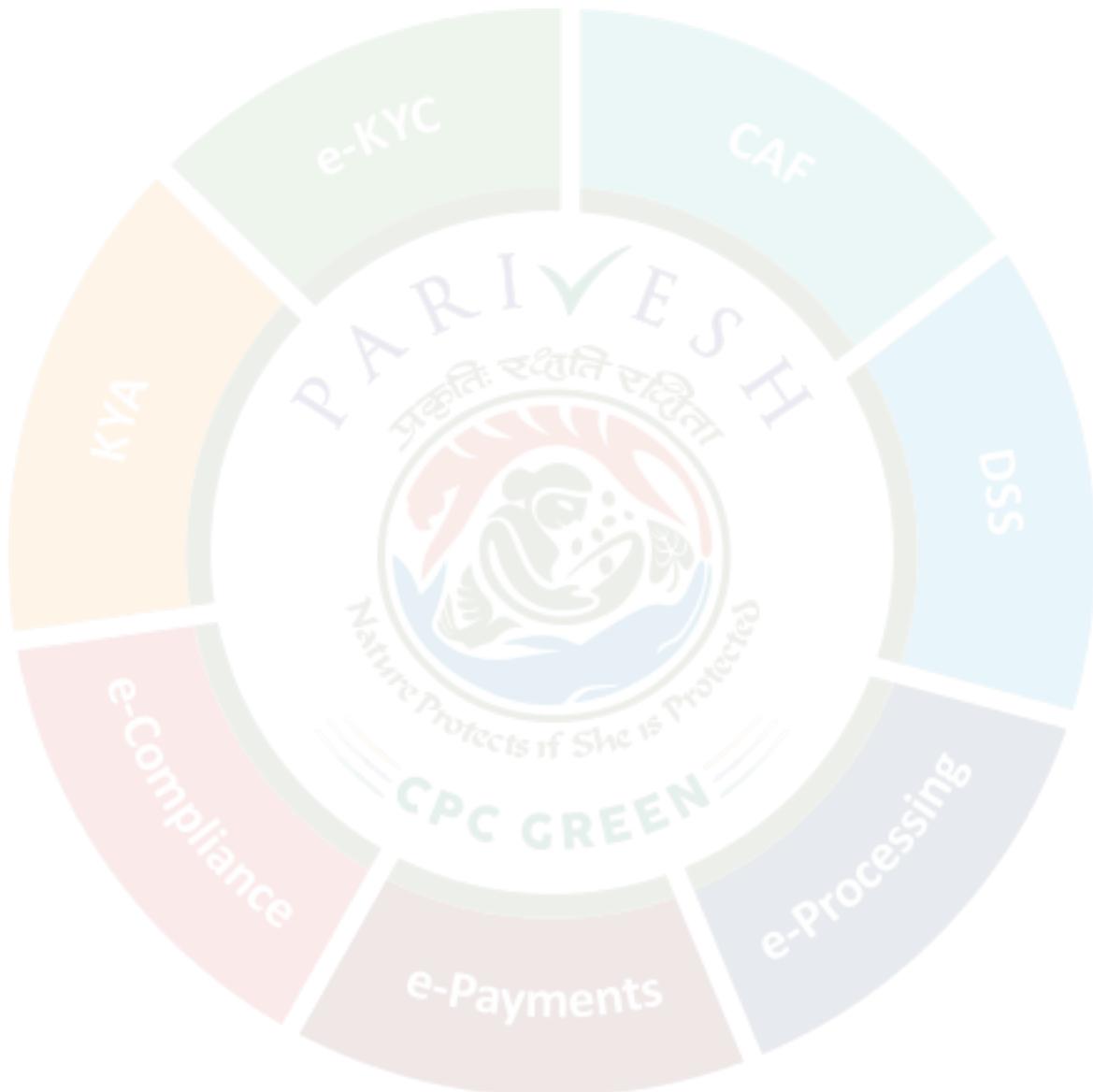
S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake 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 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

S. No	EC Conditions
	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.
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

S. No	EC Conditions
	of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



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

S. No.	Particulars	Details	Remarks																																																																						
1.	Total land	Total area is 152.8 ha [Existing: 104.55 ha and Additional land 48.25 ha]	Land Use- Present land use of the plant site is Industrial type.																																																																						
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The total land area is 152.8 ha [Existing: 104.55 ha and Additional land 48.25 ha] and the land is already under the possession of the company.	The land use has already been converted to industrial. Thus, there will be no change in land use																																																																						
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 plant site are as given below:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Bommanbudni</td> <td>~ 0.67 Km</td> <td>WSW</td> </tr> <tr> <td>Kamakeri</td> <td>~2.80 Km</td> <td>SW</td> </tr> </tbody> </table> <p>However, total 30 nos. of villages falling in the Study area of 10 km radius study area.</p>	Habitation	Distance (km)	Direction	Bommanbudni	~ 0.67 Km	WSW	Kamakeri	~2.80 Km	SW	R&R is not applicable.																																																													
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		L11 R.S	16°12'33.93"N	75°18'17.07"E													
		L12 R.S	16°12'21.14"N	75°18'45.22"E													
		L13 R.S	16°12'20.58"N	75°18'44.76"E													
		L14 R.S	16°12'17.65"N	75°18'41.22"E													
		L15 R.S	16°12'19.42"N	75°18'36.19"E													
		Solar Plant															
		L1 S.P	16°12'21.63"N	75°18'31.50"E													
		L2 S.P	16°12'10.13"N	75°18'23.63"E													
		L3 S.P	16°12'11.04"N	75°18'21.60"E													
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		L5 S.P	16°12'14.32"N	75°18'13.44"E													
		L6 S.P	16°12'25.16"N	75°18'23.91"E													
		Proposed Colony Area															
		L1 PCA	16°12'6.58"N	75°18'30.73"E													
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		L4 EC	16°12'11.11"N	75°18'11.74"E													
5.	Elevation of the project site	572 - 590 above mean sea level.															
6.	Involvement of Forest land if any.	No forest land is involved in the proposed project.			-												
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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Water body</th> <th style="text-align: center; padding: 5px;">Distance (km) and Direction</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">Nallah</td> <td style="text-align: center; padding: 5px;">50 Meter WNW direction</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Ghatprabha River</td> <td style="text-align: center; padding: 5px;">5.1 km in NE Direction</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Halki Lake</td> <td style="text-align: center; padding: 5px;">4.0 km in WNW direction</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Lokapur Halla</td> <td style="text-align: center; padding: 5px;">6.0 km in SE Direction</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Simi Halla</td> <td style="text-align: center; padding: 5px;">7.0 km in WNW direction</td> </tr> </tbody> </table>			Water body	Distance (km) and Direction	Nallah	50 Meter WNW direction	Ghatprabha River	5.1 km in NE Direction	Halki Lake	4.0 km in WNW direction	Lokapur Halla	6.0 km in SE Direction	Simi Halla	7.0 km in WNW direction	
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8.	Existence of ESZ/ ESA/national park/ wildlife sanctuary/	<p>Study area: There is no ESZ/ ESA/national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve within the 10 km radius study area.</p> <p>Status of NBWL approval: Not Applicable</p>			-												

S. No.	Particulars	Details	Remarks
	biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area.	<p>List of Reserved and Protected Forest: There are 15 Reserved Forest present within 10 km radius of the project site:</p> <ul style="list-style-type: none"> ○ RF (1.5 Km in North Direction) ○ RF (2.3 km in NNE Direction) ○ RF (2.6 km in North Direction) ○ RF (2.7 km in SSE Direction) ○ RF (3.1 km in SW Direction) ○ RF (4.0 km in NW Direction) ○ RF (4.1 km in North Direction) ○ RF (5.2 km in East Direction) ○ RF (5.4 km in South Direction) ○ RF (5.5 km in NE Direction) ○ RF (6.8 km in NNE Direction) ○ RF (6.8 km in East Direction) ○ RF (8.2 km in SE Direction) ○ RF (9.0 km in NW Direction) ○ RF (9.4 km in East Direction) 	
9.	Details of inter-linked Projects needs to be submitted	<p><i>There is no interlinked project.</i></p> <p>However, Limestone is being/will be sourced from below mentioned Limestone Mines:</p> <ul style="list-style-type: none"> ○ Halki Limestone Mine (ML area 124.24 ha and 2.0 MTPA of limestone production) at Village Halki, in Mudhol Taluk, Bagalkot District in Karnataka. Environment Clearance for the Limestone Mine has already been obtained from MoEFCC, New Delhi <i>vide</i> letter no. J-11015/384/2006-IA.II (M) dated 21st Jan., 2008. ○ Muddapur Limestone Mine (ML area 161.87 ha and 2.0 MTPA of limestone production) at Village Muddapur, in Mudhol Taluk, in Bagalkot District in Karnataka. Environment Clearance for the Limestone Mine has already been obtained from MoEFCC, New Delhi <i>vide</i> letter no. J-11015/383/2006-IA.II (M) dated 21st Jan., 2008. ○ Hanamaneri Limestone Mine Block (Area: 445.37 Ha) with Proposed Limestone Production Capacity: 4.0 Million TPA, Intercalated Waste: 1.0 Million TPA, Top Soil: 0.19 Million TPA, Over Burden: 0.94 Million TPA (Total Excavation: 6.13 Million TPA) along with installation of Crusher & Screening Capacity: 1300 TPH and OLBC Capacity: 1200 TPH with 14 km length at Villages: Hanamaneri, Lokapur, Jalikatti B.K. & Jalikatti K.D., Taluka: Badami & Mudhol, District: Bagalkot, State: Karnataka. Environmental Clearance for the limestone mine has already been obtained from MoEF&CC, New Delhi <i>vide</i> Filer no. IA-J-11015/39/2022-IA-II(NCM) dated 09th December, 2024. 	-

Unit configuration and capacity

S . N o .	Plant Equipment / Facility	EC Existing Capacity as per EC dated 26 th Sept., 2012 & NIPL dated 6 th Nov, 2023						Proposed Unit	Final (Existing + Proposed)				
		Total (A + B)		Implemen ted (A)		Un - implement ed (B)		As per CTO					
Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity		
1 .	Clinker	Kiln: 7000 TPD	2.64 Milli on TPA	Kiln : 700 0	2.64 Milli on TPA	Nil	Nil	Kiln: 7000 TPD	2.64 Millio n TPA	Kiln : 125 00 TPD	4.2 Milli on TPA	Kiln: 7000 TPD	6.84
2 .	Cement	Mill: 1060 0 TPD	3.5 Milli on TPA	Mill : 106 00 TPD	3.5 Milli on TPA	Nil	Nil	Mill: 1060 0 TPD	3.5 Millio n TPA	Mill : 151 51	5 Milli on TPA	Mill: 2575 1 TPD	8.5 Milli on TPA
3 .	CPP	25 (1 x 25) MW	25 MW	25 (1 x 25) MW	25 MW	Nil	Nil	25 (1 x 25) MW	25 MW	Nil	Nil	25 (1 x 25) MW	25 MW
4 .	WHRS	18 MW	18 MW	18 M W	18 MW	Nil	Nil	18 MW	18 MW	27 MW	27 MW	45 MW	45 MW

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

Socio- Economic Development Plan _JKCL, Muddapur								
3000 Lakhs has been incorporated as Socio-economic development plan								
Concerns raised during the Public Hearing	Physical activity to be done							
		1 st Year		2 nd Year		3 rd Year		
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	
Employment Related	Setting up a skill training center focused on knowledge and skill enhancement for unemployed youth. Training courses will include computer skills, mechanical repairs, and basic business management.	Petlur	20	Metgudda	20	Ningapur	20	60
		Muddapur	20	Bomman budni	20	Halki	20	60
	Development of Women Empowerment Centre for Socio economic development (Skill Development training centre with the installation of sewing machines, machines for making handcraft items & distribution of beauty parlour kits etc.)	Petlur	20	Hebbal	20	Bomman budni	20	60

Socio- Economic Development Plan _JKCL, Muddapur 3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative Budget (Rs. in lacs)	
		1st Year		2nd Year		3rd Year			
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
<i>Education Related</i>	Upgradation of school building (Construction/Renovation of Classroom, ground for cultural activities, Sanitation facilities,)	Metgudda	20	Bomman budni	15	Hebbal	15	50	
	Installation of Smart classes with computers, projector and wifi facilities in the Government schools to promote Digital education	Bomman budni	10	Hebbal	10	Muddapur	10	30	
	Providing Sports Kit to schools (cricket kit / Table Tennis / basketball / badminton kit etc) and support the local youth / sports club for organising the sports events.	Muddapur	10	Ningapur	10	Petlur	10	30	
	Establishment of higher secondary level School with state-of-the-art education facilities including Computer laboratory, Smart classes,	Muddapur	0	Muddapur	143.5	Muddapur	645	2080	

Socio- Economic Development Plan _JKCL, Muddapur									
3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
	library etc. to provide quality education.								
	Setting up Science Labs in Govt Schools and provide facilities for Higher education to poor students & Development of libraries in nearby Govt. Schools in consultation with Gram Panchayat/concerned authorities	Petlur	20	Hebbal	20	Nigampur	20	60	
Environment Related	Raising of Avenue Plantations and Plantations in Anganwadi Centres, Schools and Gram Panchayat (3000 Saplings per villages) & development of Parks on Panchayat west land in consultation with Panchayats	Muddapur	15	Bomman budni	15	Petlur	15	45	
	Dust suppression measures will be implemented in the nearby	Bomman budni	15	Kamakeri	15	Petlur	15	45	

Socio- Economic Development Plan _JKCL, Muddapur 3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative Budget (Rs. in lacs)	
		1st Year		2nd Year		3rd Year			
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
	villages, including regular water sprinkling on unpaved roads, creation of green barriers, and adoption of safe housekeeping practices to control the dust.								
Health Related	Renovation/contribution for construction of primary health centres, and providing Medical Instruments such as x – ray machines, ECG machines, Maternity facilities, Tonometer & Phoropter for eye check-up, Otoscope for ear Check-up.	Muddapur	20	Metgudda	20	Lokapur	20	60	
	Provide sub-centers with medical equipment and essential supplies. Offer training to healthcare workers to ensure they are equipped to	Halki	20	Ningapur	20	Muddapur	20	60	

Socio- Economic Development Plan _JKCL, Muddapur 3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative Budget (Rs. in lacs)	
		1st Year		2nd Year		3rd Year			
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
	handle basic health emergencies and preventive care.								
Water Related	Installation of RO/UV Plant and Handpumps	Petlur	15	Hebbal	15	Bomman budni	15	45	
		Ningapur	5	Ningapur	5	Muddapur	5	15	
	Construction of Rainwater & roof-top Harvesting Structures on Govt schools, Govt Hospital and other public places	Lokapur	10	Metgudda	10	Hebbal	10	30	
Agriculture Related	Training and awareness programmes on Livestock development/mixed farming development.	Bomman budni	5	Halki	5	Muddapur	4	14	
	Distribution of good quality seeds to farmers, encouragement for organic farming, linkage of farmers to the source to get Organic materials and fertilizers	Hebbal	5	Ningapur	5	Lokapur	5	15	
		Muddapur	4	Bomman budni	4	Petlur	4	12	
	Agricultural field studies will be	Kamakeri	10	Muddapur	10	Bomman budni	10	30	

Socio- Economic Development Plan _JKCL, Muddapur									
3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative Budget (Rs. in lacs)	
		1 st Year		2 nd Year		3 rd Year			
		Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
	conducted in nearby villages in consultation with Competent institutes or Universities to assess current farming practices, soil health, water availability, crop performance, and farmer challenges. The activity includes soil sample collection, field surveys, technical interactions with farmers, and preparation of recommendations for improved agricultural productivity.								
	A community-based plantation program will be carried out focusing on planting native, shade-giving, and fruit-bearing trees along village roads, community spaces, and	Bomman budni	10	Kamaker i	10	Petlur	10	30	

Socio- Economic Development Plan _JKCL, Muddapur									
3000 Lakhs has been incorporated as Socio-economic development plan									
Concerns raised during the Public Hearing	Physical activity to be done							Tentative 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		
	designated open areas.								
Socio-Economic Development	Promotion of green energy infrastructure through Solar Street lights in the Village.	Muddapur	7	Halki	6	Bomman budni	6	19	
	Construction and Strengthening of road network at nearby Villages connecting with SH with support of district administration	Muddapur	30	Bomman budni	30	Halki	30	90	
	Contribution for renovation of religious places	Muddapur	10	Bomman budni	10	Petlur	10	30	
	Development of street roads and drainage system	Muddapur	10	Halki	10	Bomman budni	10	30	
Total			311		174 0		949	3000	

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.

S. N o.	Particul ars	Activiti es to be done	Model Village development Plan-300 Lakhs						Tenta tive Budg et (Rs. In Lakh s)	
			1 st Year		2 nd Year		3 rd Year			
			Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
1	Skill Develop ment	Job oriented skills development training to unemployed youth (100 trainees)	Petlur	5	Kamaker i	5	Bomman budni	5	15	
		Providin g Trainings to farmers regardin g conserva tion of water & Soil, etc	50 trainees / Covering 04 villages	5	50 trainees / Covering 04 villages	5	50 trainees / Covering 04 villages	5	15	
		Creating Model Anganw adi (01 in each village)	Petlur	5	Kamaker i	5	Bomman budni	5	15	
		Capacity Building and livelihood support to women	100 women/ 4 villages	4	100 women/ 4 villages	4	100 women/ 4 villages	4	12	
2	Rural & Infrastr ucture Develop ment	Provisio n of Solar Panels in the Govern ment / Municip	25 / Covering 04 villages	5	25 / Covering 04 villages	5	25 / Covering 04 villages	5	15	

S. N o.	Particul ars	Activiti es to be done	Model Village development Plan-300 Lakhs						Tenta tive Budg et (Rs. In Lakh s)	
			1 st Year		2 nd Year		3 rd Year			
			Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
e-Com e-KYC e-Cert e-Proc e-Payments	e-Com e-KYC e-Cert e-Proc e-Payments	al / other public schools, hospitals and Dispensaries in nearby villages								
		Distribut ion of nutrition al fodder for Cattles, construction of cattle Sheds and Animal Hospital s	Kamakeri	5	Petlur	5	Bomman budni	5	15	
		Develop ment of Roads and Street light	Covering 04 Villages	8	Covering 04 Villages	8	Covering 04 Villages	8	24	
		Installati on of Dustbins at schools, parks, hospitals & other places of worship & commun ity centers	Bommanb udni	5	Kamaker i	5	Petlur	5	15	

S. N o.	Particul ars	Activiti es to be done	Model Village development Plan-300 Lakhs						Tenta tive Budg et (Rs. In Lakh s)	
			1 st Year		2 nd Year		3 rd Year			
			Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
3	Water Conserv ation	Training and awareness programs on water conservation will also be organized for the locals	Covering 4 villages	5	Covering 4 villages	5	Covering 4 villages	5	15	
		Construction of Rainwater & roof-top Harvesting Structures	Covering 4 villages	10	Covering 4 villages	10	Covering 4 villages	10	30	
4	Education	Educational support to economically weaker students	Covering 03 Villages	10	Covering 03 Villages	10	Covering 03 Villages	10	30	
		Providing Sports Kit to schools (cricket kit / Table Tennis / basketball /badminton kit etc.) and develop	Bommanb udni	10	Kamaker i	10	Petlur	10	30	

S. N o.	Particul ars	Activiti es to be done	Model Village development Plan-300 Lakhs						Tenta tive Budg et (Rs. In Lakh s)	
			1 st Year		2 nd Year		3 rd Year			
			Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
		ment of Sports ground								
5	Health and sanitatio n	Providin g ambulance for Cattles	Kamakeri	5	Bomman budni	5	Petlur	5	15	
		Specialized medical camps (Gyne, Eye, Ortho etc) in villages.	Bommanb udni	5	Petlur	5	Kamaker i	5	15	
		Construction of dispensary center and providing first aid kits in schools, community centers and Ambulance facility	Petlur	5	Bomman budni	5	Kamaker i	5	15	
		Installation of various public boards & posters to create awareness	Petlur/Mu ddapur	3	Bomman budni	3	Kamaker i	3	9	

S. N o.	Particul ars	Activiti es to be done	Model Village development Plan-300 Lakhs						Tenta tive Budg et (Rs. In Lakh s)	
			1 st Year		2 nd Year		3 rd Year			
			Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs	Locatio n / Area	Bud get in Lak hs		
		Measur es regarding communicable diseases & public hygiene								
6	Afforest ation	Raising of Avenue Plantatio ns and Plantatio ns in Public/ Community Areas	10000 Saplings at Bommanb udni	5	10000 Saplings at Daliawal i urf Kamaker i	5	10000 Samplin gs at Petlur	5	15	
		Total	100		100		100		300	
		Grand Total								

Budget for EMP

S. No	Environmental Monitoring	Existing (Rs. In Crores)		Proposed (Rs. In Crores)	
		Capital Cost (Rs. Crore)	Recurring Cost per annum (Rs. Crore)	Capital Cost	Recurring Cost per annum
1.	Air Pollution	Air Pollution Control Equipment/ RABH/Baghouse/Bag filter/ESP etc. for cement plant	23.0	0.46	60
		Sheds & Silos for raw material storage		125	0.20
		Stacks for dispersion of air		7.0	0.10
2.	Waste Water Management	Installation of additional & upgradation of STP treatment plant & inclusive of sanitary provision at plant and colony	0.50	0.01	2.0
3.	Solid / Hazardous Waste Management and AFR System	3.0	0.06	50	0.10
4.	Greenbelt development & plantation	0.50	0.01	1	0.30
5.	Rain water harvesting Structure	0.25	0.005	2	0.10
6.	Environmental Monitoring & additional Continuous Ambient Air Quality Monitoring Station /CEMS	1.25	0.025	3	0.10
Total		28.5	0.57	250	2.15