



File No: J-11011/1170/2007-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date **21/12/2025**



To,

M/s. JK LAKSHMI CEMENT LIMITED
Jaykaypuram, District Sirohi,
SIROHI, RAJASTHAN, 307019
Email: jklc.env@lc.jkmail.com

Subject: Expansion of Integrated Cement Plant – Clinker (1.98 Million TPA to 5.0 Million TPA), Cement (5.0 Million TPA to 6.0 Million TPA), CPP (20 MW to 40 MW), WHRB (10 MW to 25 MW), DG Set from (1000 KVA to 2000 KVA); Limestone (4.8 Million TPA to 8.0, Million TPA) by M/s. JK Lakshmi Cement Limited, located at Village - Malpuri Khurd, Khasadih, P.O. - Ahiwara, Tehsil – Ahiwara (Old Teh.-Dhamdha), District - Durg, Chhattisgarh- Grant of Environmental Clearance -Reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/CG/IND1/524725/2025 dated 31/03/2025 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.	EC25A1101CG5488716N
(ii) File No.	J-11011/1170/2007-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 Expansion of Integrated Cement Plant – Clinker (1.98 Million TPA to 5.0 Million TPA), Cement (5.0 Million TPA to 6.0 Million TPA), CPP (20 MW to 40 MW), WHRB (10 MW to 25 MW), DG Set from (1000 KVA to 2000 KVA); Limestone (4.8 Million TPA to 8.0, Million TPA) By M/s. JK Lakshmi Cement Limited at Village - Malpuri
(vii) Name of Project	

(viii) Name of Company/Organization
(ix) Location of Project (District, State)
(x) Issuing Authority
(xi) Applicability of General Conditions as per EIA Notification, 2006

Khurd, Khasadih, P.O. - Ahiwara, Tehsil –
Ahiwara (Old Teh.-Dhamdha), District - Durg,
Chhattisgarh. (Env. Consultant- Anacon
Laboratories Pvt. Ltd., Nagpur)
JK LAKSHMI CEMENT LIMITED
DURG, CHHATTISGARH
MoEF&CC
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 proposal was considered in the 2nd EAC Meeting held during 23rd – 25th April, 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. Further the proposal was considered in 11th EAC (Industry-1) Meeting – 10th September, 2025 as Agenda No. 11.7 for correction in MoM w,r,t interlinked projects, the Committee agreed with the clarification already recorded by the EAC (Non-Coal Mining) and accepted the submission of the PP that Mining Leases I & II are “not interlinked” with the Cement Plant. Accordingly, the Committee recommended that the correction may be incorporated in the records of the 2nd EAC (Industry-I) meeting held on 23rd April, 2025 to reflect the correct status of the mining leases. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed 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 2nd Meeting held during 23rd – 25th April, 2025, inter-alia, deliberated the following:

i. The instant proposal for Expansion of Integrated Cement Plant – Clinker (1.98 Million TPA to 5.0 Million TPA), Cement (5.0 Million TPA to 6.0 Million TPA), CPP (20 MW to 40 MW), WHRB (10 MW to 25 MW), DG Set from (1000 KVA to 2000 KVA); Limestone (4.8 Million TPA to 8.0, Million TPA).

ii. The existing project was accorded environmental clearance from MoEF&CC through vide F. No. J 11011/1170/2007-IA II (I) dated 13.05.2009 for Existing Integrated Cement Plant for – Clinker (1.98 Million TPA), Cement - PSC, PPC, OPC, & COC (5 million TPA), CPP (20 MW) and WHRB (10 MW) along with subsequent amendments. The existing project was accorded first Consent to Establish vide Ir.no. 1343/TS/CECB/2011 Raipur, dated 04/06/2011 for establishment of Integrated Cement Plant with Clinker production (2 × 1.50 Million TPA) – 3.0 Million TPA, Cement (2 × 05.0 Million TPA) – 10.0 Million TPA and Coal Based Captive Power plant (2 × 20.0 Megawatt) – 40.0 Megawatt in the name of M/s. J K Lakshmi Cement Limited. The first CTO for the Clinker Production (Phase-I) 1.5 Million TPA and Cement (Phase-I) 5.0 Million TPA. The latest CTO was renewed for Clinker Production (Phase -I) 1.98 Million TPA, Cement Production (Phase-I) 5.0 Million TPA and Waste heat Recovery based power plant 10 MW by Chhattisgarh Environment Conservation Board vide letter no. 331/TS/CECB/2023 Nava Raipur Atal Nagar, dated:19.04.2023 and validity of the renewal is till 30.04.2025.

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 EAC reviewed the compliance statement submitted by the project proponent regarding the applicability of MoEF&CC's Office Memorandums and Notifications to their proposal which include aspects such as land acquisition status / presence of streams or nullahs 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 Total land is 200.26 Ha. [Private: 182.03 ha; Govt.; 18.23 ha;]. The proposed expansion project will be undertaken within the existing total plant area of 200.26 hectares, of which 182.03 hectares are owned by JKLCL, while the remaining 18.23 hectares have been allotted to JKLCL by CSIDC on a 99-year lease for plant establishment.

ix. As reported, Malpuri Khurd Village is at a distance of 0.93 km from the project site 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. Khasadih Minor Canal is passing through project site for which M/s. JKLCL has received No Objection Certificate from Office of the Executive Engineer, Tendula Water Resources Division, Durg (Chhattisgarh) on dtd. 05.04.2011. Whereas, undertaking letter (No. KLCL/SDM/11-12/20 dtd. 03rd May 2011) by JKLCL for Non- disturbance of part Khasadih Minor. PP has further submitted that it is expansion (Brownfield) project and it complies MoEF&CC Notification, G.S.R. 85(E) dated 30th January 2025. The EAC opined that appropriate measures shall be undertaken in consultation with the Water Resource Department for mitigating any impact due to project activities.

xi. There are several water bodies within the study area of the project site. The EAC opined that a robust and foolproof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xii. The EAC noted that JK Lakshmi Cement Ltd. operates this integrated cement plant interlinked with two captive limestone mining leases (ML-1: 267.695 ha and ML-2: 252.105 ha), both covered under a single EC granted by MoEF&CC vide F. No. J-11011/1170/2007-IA II (I) dated 13th May, 2009. The operational capacities include Clinker (1.98 Million TPA), Cement (PSC, PPC, OPC, and COC - 5 Million TPA), a Captive Power Plant (20 MW), and a Waste Heat Recovery Boiler (10 MW). To ensure continuous limestone supply in line with the cement plant's expansion, separate Terms of Reference (ToRs) were issued for the two mines by the EAC (Non-Coal) division of MoEF&CC, New Delhi. The ToRs were received for Mine Lease-I (267.695 ha) vide F. No. J-110105/72/2020-IA.II(M) and for Mine Lease-II (252.105 ha) vide F. No. J-110105/73/2020-IA.II(M), both dated 20th January, 2021. Accordingly, separate EIA reports were submitted, with applications for ML-I and ML-II uploaded on the EAC (Non-Coal) section of the Parivesh Portal on 11th March, 2025 and 12th March, 2025, respectively. The EAC opined

that JK Lakshmi Cement Ltd. must secure ECs for both captive limestone mines (ML-I and ML-II) in accordance with the granted ToRs. Given the integrated nature of the cement plant and mines, obtaining all requisite statutory clearances, is essential to ensure continuous and compliant operations.

xiii. Existing Water requirement for plant and mine is 3295 KLD, which is obtained from Shivenath River (4500 KLD), Mine Sump (1860 KLD) and Ground water (320 KLD). The total water requirement after proposed expansion will be 3729 KLD which will be fulfilled through existing water permission (Shivenath River, Mine Sump and Ground water). The sanctioned water quantity is adequate for proposed expansion. Hence, no additional permission required for expansion project. Further, PP has submitted the action plan for laying of pipeline with timelines. The EAC deliberated on the water requirement and is of the opinion that necessary permission shall be renewed from the Competent Authority from time to time to ensure valid permission during operations. Also, the pipeline shall be established within the stipulated timeline as per the action plan.

xiv. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and noted that $PM_{2.5}$ and PM_{10} are reported high. The EAC opined that PP shall undertake stringent measures to minimise the levels of PM_{10} and $PM_{2.5}$. To this effect, EAC asked PP to carry out regular water sprinkling within the project site, as well as on the common roads of the industrial area, in coordination with neighbouring industries/projects.

xv. The PP reported that several Schedule-I species as per the Wildlife (Protection) Amendment Act, 2022 — including the Common Mongoose (*Herpestes edwardsii*), Bengal Fox (*Vulpes bengalensis*), Indian Cobra (*Naja naja*), Rat Snake (*Ptyas mucosa*), Indian Jackal (*Canis aureus*), and Bengal Monitor Lizard (*Varanus bengalensis*) — were observed within the study area. A Wildlife Conservation Plan was initially submitted to the PCCF (Wildlife & Biodiversity Conservation), Chhattisgarh, on 10th September, 2024, and a revised plan was resubmitted on 28th March, 2025, and 23rd April, 2025 based on departmental observations. The authentication of the Wildlife Conservation and Management Plan is currently under process. The EAC opined that PP shall strictly implement the recommendations that will be made in the approved plan in consultation with the State Forest Department.

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

xvii. The EAC opined that PP shall implement skill development programs (mentioned in PH Action plan) 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.

xviii. The PP submitted that existing green belt has been developed in 78.00 ha area which is about 38.95% of the total project area of 200.26 ha with total sapling of 108617 nos. of Trees. 58933 nos. additional plantations will be developed within one-year time from completion of the expansion project. Thus, the total plantation after expansion will be 167550 Nos.. The EAC deliberated on the greenbelt plan and is of the opinion that greenbelt shall be developed as committed.

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

xx. The EAC deliberated on the certified compliance report of IRO noting partial compliances and non-compliances. The EAC, however, considered the status presented in the ATR against the partial compliances and review report of IRO. EAC opined that as PP shall obtain the closure report from Compliance and Monitoring Division of MoEFCC.

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

xxii. 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.

xxiii. 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.

xxiv. 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.

Recommendations of the Committee in the 2nd Meeting held during 23rd – 25th April, 2025:

8. In view of the foregoing and after detailed deliberations, the committee recommended the instant proposal subject to submission of CCR closure report from CMD, MoEFCC and uploading of written submission on the PARIVESH portal for grant of Environment Clearance under the provisions of EIA Notification, 2006. 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.

9. Vide email dated 03.09.2025, PP has provided clarification regarding the applicability of the Office Memorandum dated 24th December, 2010. The PP explained that while filing the EC application on Parivesh Portal, they inadvertently marked the status of the mines as “interlinked”, whereas, in fact, the leases are “not interlinked. The PP justified this submission by drawing attention to the amendment in the Mines and Minerals (Development and Regulation) Act, 1957, effective 28th March, 2021. The amendment introduced Section 8A(7A), which allows lessees of captive mines to sell up to 50% of the mineral produced annually after meeting the requirements of the end-use plant. In view of this provision, limestone from captive mines is no longer exclusively linked to the cement plant but can also be used in various industries such as FMCG, power plant desulfurization, glass, steel, paper, plastics, pharmaceuticals, cosmetics, fillers in products (toothpaste, paint), and water treatment. Therefore, the earlier terminology of “interlinked” no longer applies, and the mines are to be treated as “not interlinked.” PP also informed that the Hon’ble EAC (Non-Coal Mining) in their 48th EAC Meeting held during 7th-8th August, 2025, have recorded in minutes that “EAC noted the submission of PP and agreed that instant proposal may not be considered as interlinked” and accordingly recommended the proposal for expansion of Limestone Mining Lease-I from 4.5 MTPA to 6.65 MTPA, with existing crusher and additional crushing capacity of 1500 TPH, subject to specific conditions in addition to standard EC conditions applicable to non-coal mining projects.

10 The EAC, in its 11th meeting held during 10th September, 2025, inter-alia, deliberated the following:

i. The Committee noted the submissions made by the Project Proponent (PP) regarding the inadvertent error committed while filing the application on Parivesh Portal in pursuance of the Office Memorandum dated 24th December, 2010. The PP had earlier marked the Limestone Mining Leases as “interlinked” with the cement plant, whereas, in light of the amendments to the MMDR Act, 1957 (vide notification dated 28th March, 2021), the captive

leases are no longer exclusively linked to the cement plant.

ii. The Committee also took note of the proceedings of the 48th Meeting of the EAC (Non-Coal Mining) held on 7th–8th August, 2025, wherein the matter was deliberated in detail. After considering the submissions, the EAC (Non-Coal Mining) concluded that the instant mining leases may not be treated as “*interlinked*” and accordingly recommended the expansion proposal of Mining Lease–I of M/s JK Lakshmi Cement Ltd.

iii. The present status of the projects was also noted: ML–I – EC recommended (copy awaited) and ML–II – ADS reply submitted on 2nd September, 2025. Thus, both ML–I and ML–II are considered “*not interlinked*.”

Recommendations of the Committee in the 11th EAC (Industry-1) Meeting – 10th September, 2025

11. After due deliberations, the Committee agreed with the clarification already recorded by the EAC (Non-Coal Mining) and accepted the submission of the PP that Mining Leases I & II are “not interlinked” with the Cement Plant. Accordingly, the Committee recommended that the correction may be incorporated in the records of the 2nd EAC (Industry-I) meeting held on 23rd April, 2025 to reflect the correct status of the mining leases.

12. 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 grant of EC is 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 grant of EC 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 Lakshmi Cement Limited** under the provisions of EIA Notification, 2006 subject to the specific conditions and general conditions (**Annexure-I**).

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

14. 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.

15. 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.

16. 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.

17. This issues with approval of the Competent Authority.

(Dinesh Runiwal)
Scientist 'F'/Director
Tel: 011-20819346
Email-d.runiwal@gov.in

Copy To

1. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
2. The Principal Chief Conservator of Forests, Principal Chief Conservator of Forests, Government of Chhattisgarh, Medical Road, Raipur-492001
3. The Inspector General of Forests, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Aranya Bhawan, North Block, Sector-19 Naya Raipur, Atal Nagar, Chhattisgarh – 492002
4. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
5. The Member Secretary, Chhattisgarh State Environment Conservation Board (Pollution Control office), Paryavas Bhavan, North Block Sector-19, Atal Nagar Dist- Raipur Chhattisgarh
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The District Collector, District Durg, Chhattisgarh
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	As reported, Malpuri Khurd Village is at a distance of 0.93 km from the project site 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 sensitive areas. 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.
1.5	Khasadih Minor Canal is passing through project site for which M/s. JKLCL has received No

S. No	EC Conditions
	Objection Certificate from Office of the Executive Engineer, Tendula Water Resources Division, Durg (Chhattisgarh) on dtd. 05.04.2011. Whereas, undertaking letter (No. KLCL/SDM/11-12/20 dtd. 03rd May 2011) by JKLCL for Non- disturbance of part Khasadih Minor. PP shall undertake appropriate measures in consultation with the Water Resource Department for mitigating any impact due to project activities.
1.6	There are several water bodies within the study area of the project site. A robust and foolproof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.7	Existing Water requirement for plant and mine is 3295 KLD, which is obtained from Shivnath River (4500 KLD), Mine Sump (1860 KLD) and Ground water (320 KLD). The total water requirement after proposed expansion will 3729 KLD which will be fulfilled through existing water permission (Shivnath River, Mine Sump and Ground water). The sanctioned water quantity is adequate for proposed expansion. Hence, no additional permission required for expansion project. Necessary permission shall be renewed from the Competent Authority from time to time to ensure valid permission during operations. Also, the pipeline shall be established within the stipulated timeline as per the action plan.
1.8	PP shall undertake stringent measures to minimise the levels of PM10 and PM2.5. PP shall carry out regular water sprinkling within the project site, as well as on the common roads of the industrial area, in coordination with neighbouring industries/projects
1.9	Three tier Green Belt shall be developed 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.
1.10	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area, as the case may be, as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.11	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 detailed in the EMP and in accordance with the Ministry's OM dated 30.09.2020, amounting to Rs. 24 Crores, shall be strictly implemented along with development of an institutional mechanism for regular monitoring and stakeholder engagement. Additionally, a dedicated system for managing and addressing public grievances shall be set up, and its functioning shall be reviewed periodically. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1.12	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.
1.13	PP shall implement the skill development programs, proposed under PH Action plan, in alignment

S. No	EC Conditions
	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.
1.14	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.
1.15	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.
1.16	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

S. No	EC Conditions
	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.
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.

S. No	EC Conditions
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 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

S. No	EC Conditions
	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 steel plants.
4.5	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.
4.6	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 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.
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.

S. No	EC Conditions
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 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.

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

Additional EC Conditions

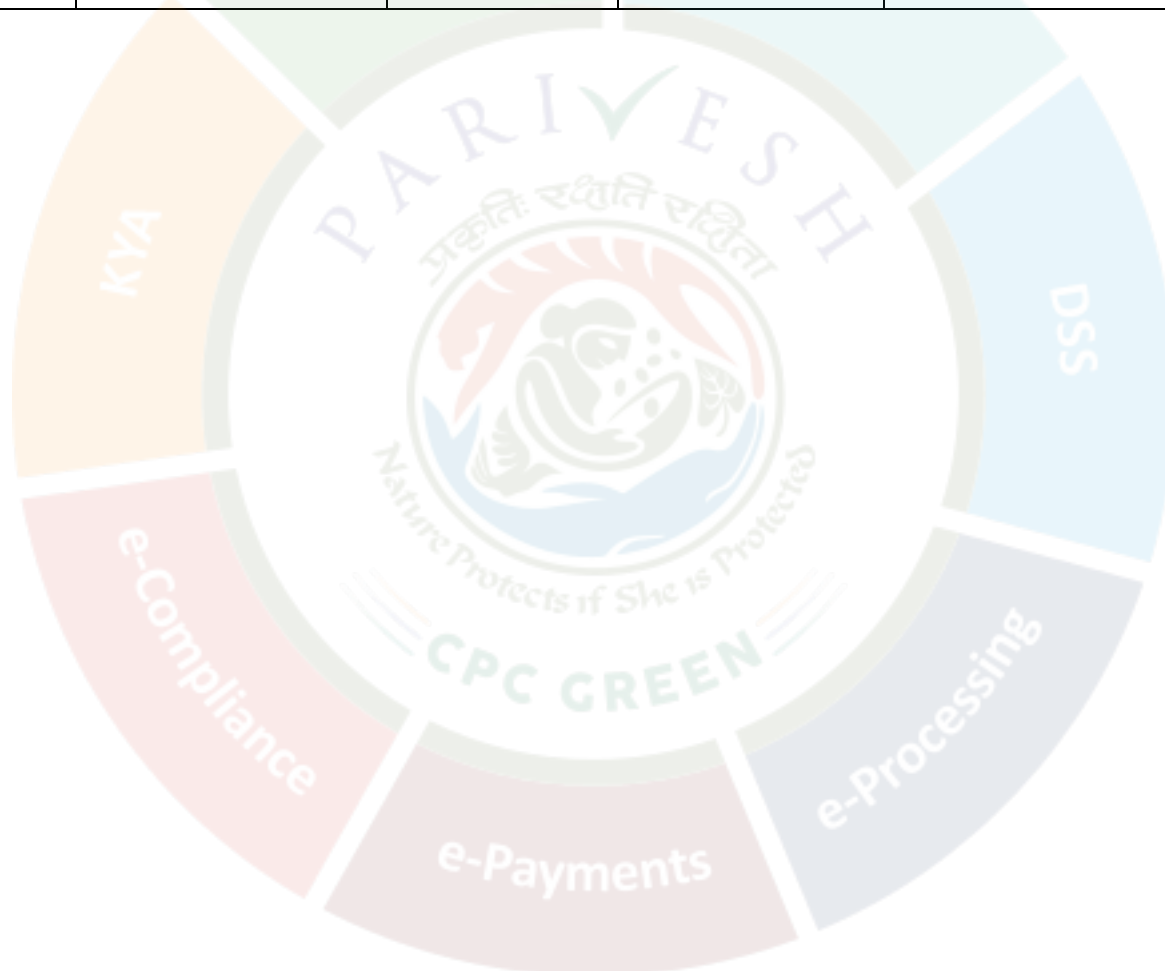
NA

S.N	Particulars	Details				
a.	Terms of Reference for undertaking EIA study	Date of application	Consideration	Details	Date of accord	ToR Validity
		15.07.2020	21 st meeting of EAC held on 30 th July- 1 st August 2020	Terms of references	24.08.2020	23.08.2025.
b.	Period of baseline data collection	1st December 2023 – 29th February 2024				
c.	Date of Public Consultation	18/11/2024 at 10:00 AM				
d.	Action plan to address the PH issues	Action plan as per MoEF&CC O.M. dated 30/09/2020 to address the issues raised during public hearing is attached as Annexure IV.				
e.	Location of the project	located at Village - Malpuri Khurd, Khasadih, P.O. - Ahiwara, Tehsil – Ahiwara (Old Teh.-Dhamdha), District - Durg, Chhattisgarh				
f.	Total land	Total land – 200.26 Ha. [Private: 182.03 ha; Govt.; 18.23 ha;]. The proposed expansion project will be undertaken within the existing total plant area of 200.26 hectares , of which 182.03 hectares are owned by JKLCL, while the remaining 18.23 hectares have been allotted to JKLCL by CSIDC on a 99-year lease for plant establishment.				
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The project is proposed on the existing land area of 200.26 Hectare. The land is already available in the existing unit of the company, and situated at Village - Malpuri Khurd, Khasadih, Po. Ahiwara, Tehsil - Ahiwara (Old Teh. Dhamdha), District- Durg, Chhattisgarh.				
h.	Existence of habitation & involvement of R&R, if any	Project Site: Nil				
		Study Area:				
		Habitation	Distance	Direction		
		Malpuri Khurd	0.93 Km	SE		
i.	Elevation of the project site	Project site located at 313m to 325m above mean sea level.				

S.N	Particulars	Details																																
j.	Involvement of Forest land if any.	Nil																																
k.	Water body exists within the project site as well as study area	<p>Project site: None</p> <p>Study area</p> <table><tr><th>Sr. No.</th><th>Name</th><th>Distance (Km)</th><th>Direction</th></tr><tr><td>1</td><td>Shivnath River</td><td>8.90</td><td>NW</td></tr><tr><td>2</td><td>Lor Nala</td><td>1.72</td><td>SE</td></tr><tr><td>3</td><td>Ghuri Nala</td><td>8.15</td><td>NE</td></tr><tr><td>4</td><td>Sheetla Talab</td><td>2.84</td><td>SW</td></tr><tr><td>5</td><td>Bada Talab</td><td>2.96</td><td>SW</td></tr><tr><td>6</td><td>Ahiwara Talab</td><td>2.05</td><td>WSW</td></tr><tr><td>7.</td><td>Khasadih Minor Canal</td><td colspan="2">Passing through project site</td></tr></table>	Sr. No.	Name	Distance (Km)	Direction	1	Shivnath River	8.90	NW	2	Lor Nala	1.72	SE	3	Ghuri Nala	8.15	NE	4	Sheetla Talab	2.84	SW	5	Bada Talab	2.96	SW	6	Ahiwara Talab	2.05	WSW	7.	Khasadih Minor Canal	Passing through project site	
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7.	Khasadih Minor Canal	Passing through project site																																
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>Study area</p> <p>Name of the ESZ/ESA: Nil</p> <p>Status of Notification: Nil</p> <p>Distance of project from ESZ/ESA: Nil.</p> <p>Authenticated map of ESZ projecting distance of ESZ from project site: Not applicable since no ESZ in study area</p> <p>Status of NBWL approval: Not applicable</p> <p>List of Reserved and protected forests: No forest land is found within study area</p>																																
m.	Project cost	The capital cost of the proposed project expansion is Rs. 1600 Crores																																
n.	EMP cost	<table><tr><th>EMP</th><th>Capital (Rs. in Lakhs)</th><th>Recurring (Rs. in Lakhs)</th></tr><tr><td></td><td>Rs. 305.1 Crores</td><td>Rs. 4.12 Crores</td></tr></table>	EMP	Capital (Rs. in Lakhs)	Recurring (Rs. in Lakhs)		Rs. 305.1 Crores	Rs. 4.12 Crores																										
EMP	Capital (Rs. in Lakhs)	Recurring (Rs. in Lakhs)																																
	Rs. 305.1 Crores	Rs. 4.12 Crores																																
o.	Employment opportunity	The employment generation from the proposed expansion project is 1223 (923 existing + 300 proposed).																																
p.	Water and Power requirement	The total water requirement after proposed expansion will 3729 KLD Total power requirement (existing and proposed expansion) will be 66 MW																																
q.	CPA/SPA	The plant site is not located in CPA/SPA																																

The unit configuration and capacity of existing and proposed project is given as below:

Sr. No.	Name of product	Existing Capacity	Proposed Capacity addition	Total capacity after expansion
1.	Clinker (Million TPA)	1.98	3.02	5.0
2.	Cement (Million TPA)	5.0	1.0	6.0
3.	Captive Power Plan (MW)	20	20	40
4.	WHRB (MW)	10	15	25



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

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
1.	Industrial Training program for unemployment villagers	Location: Ahiwara and nearby villages.	Work Start from November 2025			100
2.	Health Awareness Camps & Mothers and child care program	Location: Ahiwara and nearby villages. Activity: Health camps, workshops, awareness programs.	Organize a minimum of 35 health camps annually	Organize a minimum of 35 health camps annually	Organize a minimum of 35 health camps annually	200
3.	Support to PHC and Sub health centers	Location: Village: Ahiwara and Nearby villages	We will start the work immediately after starting the construction work at site which is likely to start from November 2025.	We will complete this work by October 2026		300
4.	Mobile Drinking Water Tanker	Location: Nandini-Khundini, Ahiwara, and Girhola Villages Work: Moving Drinking water tanker will be provided to Nandini-Khundini, Ahiwara, and Girhola Villages.		Mobile Drinking Water tanker will be purchased/Hired before March 2026 and available for Nandini-Khundini, Ahiwara, and Girhola Villages in summer season.	Will be available for Nandini-Khundini, Ahiwara, and Girhola Villages in summer season.	50
5.	Solar Electrification and installing	Location: Village Ahiwara, Girhola,		We will Start Work at Girhola, and Nandini-Khundini	We will Start Work at Ahiwara	50

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
	Submersible pump in hand pump	and Nandini-Khundini (6 Nos.)		villages, from January, 2026 and will complete within 1 Year	villages from January, 2027 and will complete within 1 Year	
6.	Development of Community Water Resource (Pond) facility for Agriculture and Domestic Use	Deeping, Plantation & beautification of the Ponds of Ahiwara, Malpurikhurd and Girhola Villages: The company has submitted request to Gram Panchayat Ahiwara, Malpurikhurd and Girhola to allow to deepen the pond.	We will start the work immediately after starting the construction work at site which is likely to start from November 2025.	In the subsequent year the deepening will be done only during dry season in summer months when the pond is dried out.	Work will be completed at Ahiwara, Malpurikhurd and Girhola villages by June 2027	50
7.	Development of Play Ground and provide Sports equipments	Location: Nandini-Khundini and Ahiwara Villages. Work: Beautification on existing play Ground and provide sports goods.	Work will be start from November 2025	Work will be completed by December 2026	Sports equipments will be provided before December 2027	45
8.	Dense Plantation on road side, community Hall, Govt land, Private Land Schools, etc. near our Plant.	Location: Village Ahiwara and nearby villages. Activity: Monthly Checking of Planted trees and fencing availability by hired Person through Plant management.	We will Start Work from July, 2025 and Completion of work by August 2025	To be Maintain 90% survival rate.	To be Maintain 90% survival rate.	150

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
9.	Rain Water harvesting structures as Village panchayat and schools and other community places	Location: Village Malpurikhurd, Khasadih, Ahiwara, and nearby villages Work: 50 Nos. of Rain Water Harvesting Structures	Implementation of 10 structures in village Malpurikhurd and Khasadih	Implementation of 10 structures in village Ahiwara and Girhola	Implementation of 30 structures in village Dhamdha, Pitaura & and nearby other villages	150
10.	Farmers Training and Facilitation Centre to improve crop quality and production	Location: Village Malpurikhurd at Community Land Provided by Village Panchayat /Local Authority. Building Size: Approx. 600 Sqf (20 x 30 Sqft) Quality: RCC Roof and Floor, Fly Ash Bricks Wall. Facilities: Agriculture and Horticulture Expert - 1 Person from Local village. A Rapid Soil testing facility /kit will be provided along with beneficial Books on Crop Agronomy and Horticulture and Dairy etc. in Hindi. Activity: Half Yearly Soil Sampling and analysis and awareness to farmers for better selection of crops.		We will Start Work from August, 2026	The completion of Work by April, 2027	60

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
		Training for efficient crop management. Awareness for "Jaivik and Sustainable Agriculture"				
11.	Solar Streetlight at Village Road in Entire Village	Location: Village Girhola, Ahiwara, Pitaura to Nandani Road and Nearby villages Work: Solar Street Light at Village Roads at Girhola, Ahiwara, Pitaura to Nandani Road and Nearby villages approx. 60 Solar Light Poles		We will start work from January, 2026 with Solar Streetlight in Girhola, Ahiwara, Pitaura to Nandani Road and Nearby villages	Completion of work by December, 2027	100
12.	Renovation of Shitala Mandir at Dhamdha	Location: Village Dhamdha Existing Temple (1 Nos.) Quality: Fly Ash Bricks Wall. Facilities: Renovation and Beautification, Plantation, Electricity Repair, Construction of Boundary Wall, Wall Painting, Flooring etc. of Existing Shitala Temple		We will Start Work from September, 2026	The completion of Work by December, 2027	30
13.	Construction of boundary wall for Jai Stambh	Location: Village Ahiwara Existing Jaistanmb (1 Nos.)		We will Start Work from September, 2026	The completion of Work by December, 2027	30

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
		Quality: Fly Ash Bricks Wall. Work: Construction of Boundary Wall, Wall Painting, Flooring etc. of Existing Jai Stambh.				
14.	Cementation of School courtyard	Location: Govt. High School Hardi and nearby village	We will Start Work at School from September, 2025	Work will be completed by June 2026		30
15.	Scholarships and Grants	Location: Malpuri and nearby villages Activity: Provide scholarships and grants to Topper and poor students for pursuing education related to the industry.	Yearly	Yearly	Yearly	150
16.	Community Hall (Samudayik bhawan) for woman	Location: Village Ghikudia New Building (1 Nos.) Size: Approx. 200 Sqf (10' x 20' Sqft) = 200 sqft Quality: Fly Ash Bricks Wall & JK Lakshmi Cement. Facilities: Construction and Beautification, Plantation, Electricity Fitting, Construction of Boundary Wall, Wall Painting,		We will Start Work from January, 2026	The completion of Work by December, 2027	50

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
		Floring etc. of new community Hall (Samudayik bhawan).				
17.	Vocational Training for youths	Location: Ahiwara, pahra, Malpuri kala, Godhi, Kharra, Pathariya, Borsi, Godheli.		By March 2026 and repeat every year		75
18.	Distribution of Wheelchair and supporting equipment's among Handicapped	Location: Ahiwara, Malpuri Khurd, Pitura, Ghikudia, Lahanga, Semariya, Nandani - Khundani.	Yearly	Yearly	Yearly	30
19.	Rural Infrastructure like CCTV Camera at Schools, panchayat Bhavan and community hall in nearby villages	Location: At Schools, panchayat Bhawan and community hall of Nandani Khundani, Hardih, Semariya, Girhola, Sandi, dumar. Ghikudia		We will Start Work from April, 2026 and will complete within 1 Year		75
20.	Renovation of community infrastructure	Nandani Khundani, Hardih, Semariya, Girhola, Sandi, dumar. Ghikudia, Khasadih.		We will Start Work from January, 2026	The completion of Work by December, 2027	75
21.	Support to Culture activity at nearby villages	Kokdih, Murmunda, Pendhritarai, Hingna, Sehgaon, Nandani Khundani, Hardih,		We will Start Work from January, 2026	The completion of Work by December, 2027	75

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
		Semariya, Girhola, Sandi, dumar. Ghikudia				
22	Career Counselling and Special Coaching for 10 th and 12 th standard students or professional courses	Nearby villages like Ahiwara, Nandani-Khundani, Murmunda				75
23	Garbage Management	Kokdih, Murmunda, Pendhritarai, Hingna, Sehgaon,				75
24	Support to Small Business and Allied activities promotion like goatry/ poultry	JKLC will support villages like Potia, Patharia, Gota Matra, Khapri, Hingnadih, Medecera, Bagdumar, godhe				100
25	Pond Deepening and cleaning for water conservation	Malpuri Khurd, Ahiwara, Girhola, Nanidni, Khundini and Semaria village				125
26	CC Road construction and road up gradation from Khasardih Miner to Malpurikhurd Village	Work: Construction of CC Road from Khasardih Mines to Malpurikhurd Village approx. - 2 KM		We will Start from January, 2026	Work will be completed by December 2027	75
27.	Rural haat development at Nandini	Work: Cementation of market square other villages		We will Start from January, 2026	Work will be completed by	75

S. No.	Physical activity and an action plan		Timeline of Implementation of Action Plan			Rs. (In Lakhs)
			1 st Year	2 nd Year	3 rd Year	
	Name of the Activity	Places				
	Khundi and Girhola	Simariya, Hardih, Ahivara, Dhaur, and Dumer will also be covered.			December 2027	
Grand total CER Expenses:						
(Rs. Two Thousand Four Hundred Lakhs only i.e. Rs. 24 Crores)						2400
Note: - The above action plan will be implemented during project implementation phase. Zero date will start from the date of construction start for the proposed phases. ***Villages can be interchanged as per situation demand. Activities may be changed as per situation and community requirements.The above activities-wise action plan will be implemented at the nearby villages of 10 KM radius of the project site.						

