



File No.: J-11015/80/2020-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 19/09/2025



To,

Mr. Kapil Agrawal
M/s. J K CEMENT LIMITED
JK Cement Limited, Kamla Tower, Kanpur Uttar Pradesh 208001, KANPUR NAGAR, UTTAR
PRADESH, , 208001
bhaskar.rawat@jkcement.com

Subject: **Proposed Expansion in the Limestone Production Capacity of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) under para 7(ii) of EIA Notification 2006 by M/s J K Cement Limited- Expansion in Environment Clearance reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MP/MIN/539157/2025 dated 18/08/2025 for grant of prior Environmental Clearance (EC) to the 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.	EC25A0108MP5421344N
(ii) File No.	J-11015/80/2020-IA.II (M)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vi) Sector	Non-Coal Mining Proposed Expansion in the Limestone Production Capacity of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) from 5.08 Million TPA to 6.092 Million TPA (Approx. 20%) under Para 7 (ii) a of the EIA Notification, 2006 at village(s) Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil - Simariya, District - Panna, Madhya Pradesh by M/s J K Cement Limited
(vii) Name of Project	
(viii) Location of Project (District, State)	PANNA, MADHYA PRADESH

3. In view of the particulars given in the Para 1 above, the project proposal *interalia* including Form-2 (Part A, B and C)/ EIA & EMP Reports were submitted to the MoEF&CC for an appraisal by the EAC under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by EAC in the meeting held on 28/08/2025. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above.

5. Observation and Recommendation of the Committee:-

The instant proposal is for Environmental Clearance (EC) under Para 7(ii)(a) of EIA Notification, 2006 for expansion of Limestone Production Capacity from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) by M/s J K Cement Limited, located in Village(s) Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa Tehsil: Simariya, District- Panna, Madhya Pradesh. The mine lease area is located between Latitude 24° 16' 24.824" to 24° 20' 21.526" North and Longitude 79° 50' 18.830" to 79° 56' 55.377" East. The mine lease area falls under the Survey of India Toposheet No 54P/11, 54P/12, 54P/15, 54P/16, 63D/3 & 63D/4, and falls in Seismic zone-II.

The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 250ha and appraised at the Central level.

The Project Proponent and the Consultant presented the KML file and highlighted the key site features. PP reported that there are 7 schools lying within the ML area and 3 schools are lying within a distance of 500 m from the ML area. EAC noted the submission of the PP and stated that no blasting shall be allowed within the 500 m distance from school inside or outside the ML area without special permission from DGMS. EAC also advised to undertake dense plantation along the school boundary in consultation with school authorities/local administration and DGMS. Additionally one fog cannon in each school shall be installed for dust mitigation. No blasting activity shall be carried out during school hours. PP should set up the schedule of blasting in consultation with school authorities to safeguard the school and students during school timing. Metal windscreens shall be provided to safeguards school from flyrocks where necessary.

PP further informed that Ken River and Bearma River is flowing adjacent to the ML area in East and South direction respectively. Sonar River is flowing at a distance of 700 m from the ML area in the northern direction. EAC noted the submission of PP and was of the opinion that PP should not undertake mining activity within the HFL of Ken, Bearma and Sonar River. EAC advised PP to obtain the HFL data of these three rivers from State Water Resource Department/Irrigation Department and to undertake mining activity outside the HFL perimeter. EAC also asked PP to consult the State Water Resource Department/Irrigation Department and SPCB to protect and safeguard the rivers. An implementation report based on consultation with above mentioned state authorities needs to be submitted to Ministry's Regional Office in half-yearly compliance reports.

Upon reviewing the KML file EAC also noted that habitations are lying within the ML Area. PP submitted that habitations inside the lease area has been excluded from the lease. PP also stated that four natural streams (nalas) are traversing the lease area and flowing into Bearma, Sonar and Ken River. EAC advised PP to protect the natural streams by making bund on both sides. EAC also observed village roads within the ML area. PP submitted that the village roads along with a buffer of 50 m on both sides of the road has been excluded from the ML area.

PP further submitted that there is no forest land involved in the ML area and reported that there are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves, Eco Sensitive Zones within 10 km radius from the ML area. PP also submitted a certificate in this regard issued by Office of APCCF, Bhopal letter dated 24.03.2021.

EAC noted the submission of PP and stated that the instant ML area falls within the Greater Panna Landscape. The EAC

advised PP to consult State Forest Department and enhance their conservation efforts. PP submitted that they have obtained authenticated list of flora and fauna issued by DFO, Panna vide letter dated 09.06.2025. PP also informed that they have submitted the revised Wildlife Conservation Plan as per Wildlife Amendment Act 2022 on 16.06.2025.

EAC noted that initially EC was granted on 29.10.2021 to M/s Jaykay Cem (Central) Ltd. The EC was then amended on 15.09.2023 w.r.t specific condition no. XIII for extension of timeline for three years for use of road for transportation of mineral from mine crusher to cement plant in Koni Simariya Limestone mine of Jaykaycem (Central) Limited. Thereafter, EC was transferred from M/s Jaykaycem (Central) Limited to M/s J K Cement Limited on 23.01.2024.

The mine lease was executed was executed and registered on 02.12.2020 under ML Deed No. MP283052020A1802711 at the Sub-Registrar Office, Panna for ML area of 3095.23 ha. PP reported that out of 3095.23 ha ML area, 2927.51 ha is private land 167.720 ha land is Govt. land. PP also mentioned that they have acquired 2034 ha land out of 3095.23 ha land and they are going to undertake mining activity in the acquired land area only as per the approved mining plan.

Review of Mining Plan with Progressive Mine Closure Plan has been approved by IBM, Jabalpur vide letter dated 13.01.2025. Mining method is opencast along with drilling and blasting.

With regard to transportation, PP mentioned that excavated Limestone will be transported from mine face to crushers located within the mine lease area by 40 Tonnes capacity of dumper via haul road. The crushed Limestone is being/will be transported via Road through 40 tonne dumpers to the Panna Cement plant (~4.37 Km from ML area) from where the crushed limestone is being/will be used for manufacturing of clinker for cement production. EAC noted the submission of the PP and in reference to the amendment in EC dated 15.09.2023 asked about the installation of OLBC. PP informed that Overland belt conveyor system (OLBC) system is under construction and will be adopted to transport the crushed limestone from crusher to stacker /reclaimed yard in plant. PP also stated that the OLBC shall be completed by 2026 since there had been delay in obtaining the permission from State Water Resource Department and difficulties in land acquisition. PP stated that 70% work of laying the OLBC has been completed and requested the committee to grant six months extended permission to transport by road. EAC reviewed the submission of PP and stated that one amendment has already been given in 2023, PP must install OLBC within six months from the date of the issue of this expansion EC.

Regarding water requirement for expansion, PP submitted that total requirement for water for the proposed expansion shall be 160 KLD and no objection certificate in this regard has been obtained from CGWA vide letter dated 02.06.2025. EAC noted the submission of PP and advised to create artificial pond/reservoir within the lease area for day to day water in the project. PP also informed that the proposed mining will intersect the groundwater table and NoC has been obtained by them from CGWA. EAC noted the submission of PP and asked PP to obtain NoC from State Water Resource Department with respect to Ken-Betwa interlinking project.

With regard to greenbelt development in the ML area, PP submitted that 616.63 ha area shall be brought under plantation and 1541757 sapling shall be planted. This also includes 29 ha 7.5 m barrier, 20 ha along 50 m nalla/HTL safety zone, 15.65 ha along 50 m safety zone village road and 5.27 ha in 500 m safety zones of nearest habitation. EAC noted the submission of PP and advised to open a 5 ha nursery within the ML area to develop native species in consultation with agricultural universities/Forest Department. EAC also directed PP to plant atleast 2500 saplings/ha and to ensure 95 % survival rate with gap plantation.

The public hearing for existing Limestone production capacity of 5.08 Million TPA with crusher capacity 1800 TPH, at village Koni, Boda, Gudha, Maharajganj, Ganyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa Tehsil Simariya Distt-Panna (M.L.Area : 3095.23 Hac) was conducted under the chairmanship of Additional District Collector, Panna and in presence of Regional Officer Madhya Pradesh Pollution Control Board Sagar, MP on 08.07.2021. As per OM dated 11.04.2022 public hearing is not required for 20% expansion. PP stated that they have spent Rs 1090.98 lakhs out of Rs 1,211 lakhs under public hearing commitments till March 2025. EAC noted the submission of PP and advised PP to complete its public hearing commitments at the earliest.

Regarding, authenticated past production details, PP submitted a letter issued by DMG dated 28.05.2025. EAC noted that PP has not exceeded the EC capacity and has reached a maximum limestone production capacity of 3.64 MTPA in 2022-23. PP explained that they have obtained Cement plant expansion from 6.6 to 7.9 MTPA and therefore have applied for expansion of Limestone production.

PP reported that Baseline data was collected during the post-monsoon season (1st December, 2024 to 29th February 2025), with the predominant wind direction observed from the south. The Project Proponent confirmed that the predicted

incremental concentrations of PM₁₀, PM_{2.5}, NO₂, SO₂, and CO remain within the prescribed limits, as per applicable environmental standards. Two continuous air quality monitoring stations have been installed on-site, and no toxic contamination of surface or groundwater is expected.

The PP has submitted a CCR dated 23.05.2025 addressing the compliance points outlined issued by the Regional Office of MoEF&CC in Bhopal based on the inspection dated 20.02.2025. Out of 31 specific conditions, 26 have been complied with, 5 are agreed to comply, and none are non-compliant or partially compliant. For the 43 general conditions, 32 have been complied with, 8 are agreed to comply with, and 3 are not applicable.

With regard to specific agreed to comply points certain points related to bench plantation upto HFL is not applicable at this juncture. With regard to Wildlife Conservation Plan, EAC noted that PP has submitted the revised plan as per Wildlife Amendment Act 2022 for approval to State Forest Department on 16.06.2025. EAC asked PP to follow up with State Authorities and submit the implementation report to Ministry's Regional Office. EAC also advised PP to include fire protection measures in the Wildlife Conservation Plan.

Regarding development of water bodies PP reported that at present working pits are not too large to accommodate water for installation of solar pumps. EAC noted the submission of PP and advised to construct pond/reservoir in ML area for day to day water requirement and to minimize the dependency on other surface and underground water. With regard to transportation through OLBC, PP has requested that they will require additional six months to install and operation the OLBC. PP reported that the project faced several challenges in acquiring the private land necessary for the Overland Belt Conveyor (OLBC) installation, which hindered the finalization of the initially proposed route despite some partial land acquisition. Consequently, the company was forced to identify an alternative route, necessitating new land acquisitions and rendering previous efforts unproductive. Additionally, there were delays in obtaining permissions from various authorities, including the Revenue Authorities for the use of government land, which was finally received on 14.06.2024. The Water Resources Department's permission for laying the OLBC across the Ken River was also delayed; the application submitted in January 2023 was approved on 9.02.2024. Furthermore, permission to cross the village road was granted on 9.01.2024. The company prioritized securing assurance regarding private land acquisition before submitting applications for these permissions, leading to additional delays. Construction of the OLBC has been on hold since June 2025 due to unusually heavy and continuous rainfall, which has exceeded historical averages for the region. PP is requesting a six-month extension for the installation of the OLBC, pushing the timeline to February 2026. EAC noted the submission of PP and stated that PP shall not undertake transportation by road after February 2026.

PP stated that 70% OLBC has been completed and remaining work will be completed till February 2026. EAC advised to stop the transportation on the road from 2026. No transportation can be done through the village road. PP agrees on the same.

With regard to agreed to comply under general/standard conditions, EAC noted that 5 of the 8 conditions are about abiding by the statutory acts/court orders which PP has duly agreed to. Regarding the remaining agreed to comply general condition point related to preparation of LULC within five years, PP reported that they will undertake the same and report to Regional Office.

On issue of plantation on dumps, PP stated that the present dumps are active. Slope of dumps will be vegetated with suitable species to maintain the slope stability and prevent erosion through surface run off. EAC noted the submission of PP and stated that PP should start progressive plantation starting from appropriate sides. Grassing should be started from this monsoon from the places on dumps where no new dumping will be done.

Thereafter, PP highlighted that under CSR, they are carrying out many activities such as drinking water supply, irrigation support to agriculture, medical health checkup, sanitation, skill development, education, road infrastructure development etc.

PP vide email dated 03.09.2025 submitted the details regarding the land acquisition. As per the information submitted, PP has acquired 2033 ha (99 ha Govt. land and 1934 ha private land) out of 3095.23 ha (167.72 ha Govt. Land and 2927.51 ha private land) of ML area. PP also stated that the acquired land of 2033 ha is sufficient for carrying out mining activities as per the approved mining plan for the proposed plan period of five years. Vide aforesaid email, PP also submitted the Geotagged photographs of the siltation pond, Garland drain, settling tanks and CAAQMS.

Further with respect the proposed 20% expansion, PP has proposed an additional capital budget of 43.9 lakhs and recurring budget of 7 lakhs. The combined EMP for the project stands at Rs 3608.9 lakhs capital budget and 227 lakh recurring budget (excluding PH budget).

6. Based on the aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 49th EAC meeting held on 28 August, 2025, under the provisions Para 7ii(a) of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for the grant of Environment Clearance Expansion for Limestone Production Capacity from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) by M/s J K Cement Limited, located in Village(s) Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa Tehsil: Simariya District: Panna State : Madhya Pradesh subject to certain specific conditions in addition to the standard conditions applicable to non-coal mining projects (Annexure - I).

7. The details of the project as per the information submitted by the Project Proponent are enclosed as Annexure (II)

8. The Ministry has examined the proposal in accordance with the provisions of the Environmental Impact Assessment (EIA) Notification, 2006, and its subsequent amendments. Based on the recommendations of the Expert Appraisal Committee (EAC), Expansion in Environmental Clearance (EC) is hereby granted to the project Proposed Expansion in the Limestone Production Capacity of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) under para 7(ii) of EIA Notification 2006 at village(s) Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil - Simariya, District - Panna, Madhya Pradesh by M/s J K Cement Limited. The clearance is subject to strict compliance with the specific conditions prescribed for this project, in addition to the standard conditions applicable to non-coal mining projects, as detailed in Annexure I.

9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006, as amended. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

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. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

12. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

13. General Instructions:

- The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/ SEIAA website where it is displayed.
- 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.
- The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
- Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational

phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

e. 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.

f. 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.

g. 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.

h. PP needs to comply the OM dated 24.07.2024 of MoEFCC, where it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign " EK Ped Ma ke Naam" (एक पेड़ माँ के नाम) (and the details of the same shall be uploaded in the MeriLife portal (<https://merilife.nic.in>)).

i. The plantation under Green Credit Program by the Project Proponent shall not be eligible for site specific plantation clearance forming part of Environment Clearance

14. This issues with the approval of the Competent Authority.

Copy To

- i. **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- ii. **The Secretary**, Department of Mines and Geology, Government of Madhya Pradesh, Secretariat, Bhopal.
- iii. **The Secretary**, Department of Environment, Government of Madhya Pradesh, Secretariat, Bhopal.
- iv. **The Secretary**, Department of Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
- v. **The Chief Wildlife Warden**, Government of Madhya Pradesh, Van Bhavan, 1st Floor, Tulsi Nagar, Bhopal - 462 003.
- vi. **The Deputy Director General of Forests (C)**, Ministry of Env., Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road No.3, Ravishankar Nagar, Bhopal - 462 016.
- vii. **The Member Secretary**, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- viii. **The Member Secretary**, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi-110011.
- ix. **The Member Secretary**, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016.
- x. **The Controller General**, Indian Bureau of Mines, Indira Bhawan, Civil Lines, Nagpur- 440 001.
- xi. **Director General**, Directorate General of Mines Safety, Hirapur, Dhanbad, Jharkhand, 826001
- xiii. **Guard File.**
- xiv. **PARIVESH Portal.**

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Speicific Conditions

S. No	EC Conditions
1.1	No blasting activities shall take place within 500 meters of schools and residential areas. Special permission needs to be obtained for mining within 500 m from schools/ residential areas. A metal windscreen should be installed adjacent to the habitation/school for the prevention of flying rocks and dust. Additionally, one fog cannon shall be installed at each school within a 500 m perimeter from the ML boundary and within the ML boundary. PP shall also undertake dense plantation near

S. No	EC Conditions
	the school area in consultation with the School authorities.
1.2	PP shall consult the district school authorities/ School Principal while fixing the blasting schedule. No blasting shall take place during the school hours. A copy of EC shall be sent to principal of all 7 schools lying within the ML area and 3 schools lying within a distance of 500 m from the ML boundary.
1.3	PP may explore shifting the schools in consultation with concerned Gram Panchayat and District Authorities. Necessary communication can be done in this regard with above authorities.
1.4	No mining activity shall be allowed within the HFL of Ken, Bearma and Sonar river. PP shall consult State Water Resource Department/Irrigation Department and SPCB to protect and safeguard the rivers/nallahs. An implementation report based on consultation with above mentioned State authorities needs to be submitted to Ministry's Regional Office in half-yearly compliance reports.
1.5	PP shall also protect the four nallahs located in the ML area in consultation with State Water Resource Department/Irrigation Department and SPCB. PP shall construct bund on both side of the nallas in consultation with State Water Resource Department/Irrigation Department and SPCB. Recommendation from State Water resources Department/Irrigation Department and SPCB shall be followed.
1.6	PP shall not take expansion of the mine production before consulting SPCB/ State Water Resources Department/Irrigation Department w.r.t river protection.
1.7	PP should procure at least four noise level measurement devices and submit its readings post blasting, during blasting, after blasting, and the noise level at the crusher in half-yearly compliance reports to the Ministry's Regional Office.
1.8	Ground vibration reading after blasting should be recorded near schools, habitation structures (within 50 m to 300 m). It should be ensured that PPV not above the DGMS guidelines.
1.9	Since the ML area falls under Greater Panna Landscape, PP needs to consult State Forest/Wildlife Department to enhance their conservation efforts.
1.10	PP must install the OLBC by February 2026. No transportation by road shall be allowed after February 2026.
1.11	PP should submit the details of land acquired and to be acquired to the Ministry's Regional Office in Half-Yearly Compliance Reports.
1.12	The Project Proponent needs to implement all possible mitigation measures while transporting the mineral by Road. Tarpaulins covered trucks should be used to prevent spillage and emission of dust. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water and soil quality.
1.13	The natural water bodies and or streams which are flowing in and around the mine lease area should not be disturbed. It should be ensured that no silt from mine projects flows into the nearby rivers/streams. PP shall get the water quality of the nearby river/nalas (upstream/downstream) analyzed by the Government institutes of National repute. This monitoring should be done periodically, and the monitoring interval should not be more than 3 months. The report should be

S. No	EC Conditions
	shared with the Ministry's Regional Office on half half-yearly basis.
1.14	The Project Proponent shall monitor the air quality, noise level, water quality, water level, and ground vibration during drilling and blasting at the edge of the mine, near the village, at the crusher, and at other sensitive receptors, and such collected data shall be submitted quarterly to the Ministry's Regional Office.
1.15	The Project Proponent should install Continuous Ambient Air Quality Monitoring Stations as per the scientific study and in consultation with CPCB/SPCB. The real-time data so generated should be displayed digitally at the entry and exit gate of the mine lease area for public display and shall be linked to the server of CPCB/SPCB.
1.16	The Project Proponent needs to use modern equipment such as Camera Traps, for ensuring the presence and movement of wild animals in the study area in consultation with the Wildlife Wing of the Forest Department. Appropriate interventions shall be taken to minimize stress conditions for wild animals and to avoid Man-Animal conflict.
1.17	The Project Proponent should follow up on the status of implementation of the Wildlife Conservation Plan from the Forest Officials and the same shall be submitted to the Ministry's Regional Office in the six-monthly compliance report. PP should submit a copy of the approved modified Wildlife Conservation plan as per the Wildlife Amendment Act 2022 to the Ministry's Regional Office.
1.18	The Project Proponent shall take adequate measures to prevent the pilferage of minerals.
1.19	The Project Proponent needs to install the permanent water sprinklers in addition to mobile water tankers along the haul road and the approach road. Further, 8 nos. of fog/mist cannon sprayer of at least 40 m throw shall be installed at various locations in the mine area. This is in addition to fog cannons near schools habitation as mentioned in specific conditions. An effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
1.20	The Project Proponent shall carry out the blasting in such a way that the direction of the blasting is perpendicular to the village, and the guidelines of DGMS and provisions of MMR 1961 should be followed. PP should monitor all the blasts, including blast-induced vibrations, and maintain records.
1.21	The Project Proponent shall explore the possibility of using at least 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.
1.22	The air pollution control equipment's as bag filters, vacuum suction hoods, dry fogging systems, etc., shall be installed in areas prone to air pollution and at existing crusher. PP shall take necessary measures to avoid the generation of fugitive dust emissions. The crusher should be covered from three sides to prevent dust propagation. Fog Cannon shall be installed at the crusher to mitigate fugitive dust emission.
1.23	The Project Proponent should adopt the proper mitigation measures as proposed under EMP. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Regional Office.
1.24	The Project Proponent should establish an in-house (at project site) environment laboratory for

S. No	EC Conditions
	measurement of environmental parameters with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be set up at the site, which should comprise Environment Engineers, Laboratory chemist, and staff for monitoring of air, water quality parameters on a routine basis, instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.
1.25	The Project Proponent shall conduct a third-party audit of compliance with EC conditions at an interval of one year, and its report shall be submitted to the concerned Regional office of MoEF&CC.
1.26	The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation (2500/ha). The Project Proponent shall make the actual count on the saplings planted and their survival rate, and in case of failure of achieve of 95% survival rate, an action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. PP shall make provision for drip irrigation to conserve water. PP should plant fruit-bearing trees along with allied species within the ML area.
1.27	To address the concerns raised by the public in the earlier public hearing, PP should complete its public hearing commitments at the earliest and not more than 3 years. PP shall comply with all action plans made for public hearing concerns and make regular maintenance, and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing are different from the CSR activities.
1.28	The Project Proponent needs to provide a good quality drinking water supply as per the BIS standards to the people living in the village Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, free of cost.
1.29	The Project Proponent shall provide the rainwater harvesting structure at the mine offices and other structures nearby to recharge the groundwater.
1.30	The Project Proponent shall also organize an employment-based apprenticeship/ internship training program every year with an appropriate stipend for the youth and other programs to enhance the skills of the local people. PP needs to provide financial support to eligible villagers to pursue Engineering, Medical/Diploma/ ITI courses.
1.31	The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally before mining operations, at the time of operation of the mine, and post mining operations. Regular surveillance shall be carried out through regular occupational health check-ups every year for mine workers. PP shall also organize a medical camp for the benefit of the local people and also monitor the health impacts due to mining activity.
1.32	The mobile water tankers and permanent dust suppression system should be used/installed in the ML area for dust suppression and control. A logbook of water tankers should be maintained, mentioning running hours, kilometer reading, and maintenance hours of water tankers for each shift. PP may explore using non-toxic chemicals for dust suppression in order to reduce the total water requirement.
1.33	PP needs to install the ETP/Oil & grease trap within the ML area. Record of oil withdrawn from oil & grease trap shall be kept and copy sent to RO, MoEF&CC in six-monthly compliance report.

S. No	EC Conditions
1.34	The Project Proponent should take adequate measures to prevent the fly rock from falling onto the nearby habitations and also the Project Proponent needs to set up a permanent monitoring in the nearby village to monitor the blast-induced ground vibration and air overpressure.
1.35	The Project Proponent needs to reduce the dependency on the groundwater, surface water (water from rivers, etc.), and shall construct a water reservoir within the lease area for meeting its day-to-day water needs. An implementation report in this regard needs to be submitted to the Ministry's Regional Office.
1.36	The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for the growth of fodder, flora, fauna, etc. The implementation report of the above-mentioned condition shall be submitted to the Ministry's Regional Office.
1.37	Approval/permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities, if applicable.
1.38	PP needs to comply with the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign "EK Ped Ma Ke Naam" (एकपेड़माँके नाम) and the details of the same shall be uploaded in the MeriLife portal(https://merilife.nic.in).
1.39	PP shall ensure that all types of plastic waste generated from the mines shall be stored separately in an isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuance of the Ministry's OM dated 18.07.2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area, on the ban on Single Use Plastic (SUP) in order to ensure compliance with the Ministry's Notification published by the Ministry on 12.08.2021.
1.40	PP needs to carry out slope stability analysis in the mine project every five years or as per the instructions/ suggestions of DGMS.
1.41	Catch drains, Siltation ponds & retaining wall, gabbions, checkdams etc. all around the dumps should be constructed to collect run off rain water of catchment area and to prevent any silt flow outside the lease area. PP needs and monitor and record the quality of water leaving the mine lease area.
1.42	PP needs monitor water consumption by means of flow meters and record of the same should be maintained on regular basis. PP also should reduce water consumption by regular monitoring at by 10% from present level.
1.43	PP shall comply with all the Judgement/ Orders of Hon'ble NGT in the OA No. 304/2019 in the matter of M.Haridasan & Ors. Applicant (s) versus State of Kerala & Ors. Reg.
1.44	All other terms and conditions mentioned in the EC letter dated 29.10.2021, 15.09.2023 and 23.01.2024 remains unchanged.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
1.2	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
1.3	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
1.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
1.6	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area."
1.7	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
1.8	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
1.9	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
1.10	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.11	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
1.12	The project proponent shall obtain the necessary permission from the Central Ground Water

S. No	EC Conditions
	Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
1.13	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
1.14	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

2.

S. No	EC Conditions
2.1	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/protected against felling and plantation of such trees should be promoted.
2.2	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.

3. Air Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
3.2	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986. 9) The project

S. No	EC Conditions
	proponent shall install system to 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.
3.3	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.
3.4	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
3.5	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
3.6	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
3.7	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
3.8	The project proponent shall install system to 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.
3.9	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
3.10	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. Monitor fugitive emissions in the plant premises.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
4.2	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.
4.3	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4.4	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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.5	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
4.6	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
4.7	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
4.8	The project proponent shall practice rainwater harvesting to maximum possible extent.
4.9	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to

S. No	EC Conditions
	be submitted to Regional Office MoEFCC annually.
4.10	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.11	The project proponent shall provide the slime disposal facility with impervious lining and collection wells for seepage. The water collected from the slime pond shall be treated and recycled.
4.12	Adhere to Zero Liquid Discharge
4.13	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
4.14	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.
4.15	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
4.16	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry 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. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
6.1	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.
6.2	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
6.3	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

7. Energy Conservation Measures

S. No	EC Conditions
7.1	Provide LED lights in their offices and residential areas.
7.2	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;

8. Mining Plan

S. No	EC Conditions
8.1	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
8.2	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).

9. Land Reclamation

S. No	EC Conditions
9.1	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
9.2	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
9.3	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
9.4	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

10. Waste Management

S. No	EC Conditions
10.1	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
10.2	Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant)

11. Green Belt And Emp

S. No	EC Conditions
11.1	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
11.2	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

12. Transportation

S. No	EC Conditions
12.1	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.
12.2	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].

13. Public Hearing And Human Health Issues

S. No	EC Conditions
13.1	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.
13.2	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
13.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
13.4	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 of Factory Act.
13.5	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

14. Green Belt

S. No	EC Conditions
14.1	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

15. Corporate Environment Responsibility

S. No	EC Conditions
15.1	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
15.2	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.
15.3	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.
15.4	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 I 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.
15.5	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.
15.6	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

16. Miscellaneous

S. No	EC Conditions
16.1	44) The project proponent shall upload the status of compliance of the stipulated environment

S. No	EC Conditions
	clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
16.2	The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
16.3	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.
16.4	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.
16.5	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.
16.6	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).
16.7	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.
16.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
16.9	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.
16.10	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.
16.11	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 proponents website permanently.
16.12	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.

S. No	EC Conditions
16.13	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
16.14	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
16.15	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
16.16	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
16.17	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
16.18	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.
16.19	The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
16.20	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
16.21	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
16.22	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.

17. Corporate Environment Responsibility (Cer)

S. No	EC Conditions
17.1	The Project Proponent shall submit the time- bound action plan to the concerned regional office of

S. No	EC Conditions
	the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.

Additional EC Conditions

The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.



Proposed Expansion in the Limestone Production Capacity of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) under para 7(ii) of EIA Notification 2006 by M/s J K Cement Limited.

The details of the project submitted by the Project Proponent are given under:

i. Project Details:

Name of the Proposal	Proposed Expansion under para 7(ii) of EIA Notification 2006 in the Limestone Production Capacity of Koni Simariya Limestone Mine (ML Area 3095.23 Ha) from 5.08 Million TPA to 6.092 Million TPA (approx. 20%) by M/s J K Cement Limited	
Location	Villages	Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa
	Tehsil/Taluka	Simariya
	District	Panna
	State / UT	Madhya Pradesh
	Latitudes	24° 16' 24.824" to 24° 20' 21.526" North
	Longitudes	79° 50' 18.830" to 79° 56' 55.377" East
	Sol Topo sheet No.	54P/11 (G44T11), 54P/12 (G44T12), 54P/15 (G44T15), 54P/16 (G44T16), 63D/3(G44U3) & 63D/4(G44U4).
Company's Name	Aplinka Solutions & Technologies Private Limited	
Accredited Consultant and certificate no. and Validity	Accreditation No.- NABET/EIA/25-28/RA 0414, May 20, 2028	
KML file	Attached	
Seismic zone	The area falls under zone-II for seismicity and earthquakes; the project area is not susceptible to flooding; landslide or erosion.	

ii. Category details:

Category of the project	A
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Schedule No.	1(a)(i)
Mining lease Area (MLA) (in ha.)	3095.23 Ha.
General Conditions (if any)	NO

iii. EC Details:

Details of EC	Date of accord
1. Environment Clearance vide no J-11015/80/2020/IA.II(M), date 01.11.2021.	01.11.2021
2. Amendment in Environmental Clearance vide no J-11015/80/2020/IA.II(M) dated 15.09.2023.	15.09.2023
3. Transfer of environmental clearance from M/s Jaykaycem (Central) Limited to M/s J K Cement Limited vide no J-11015/80/2020/IA.II(M) dated 23.01.2024.	23.01.2024

iv. Details of Mine Lease in chronological manner:

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1.	The lease was executed and registered on 02.12.2020 under ML Deed No. MP283052020A1802711 at the Sub-Registrar Office, Panna	02.12.2020	01.12.2070	Limestone	3095.23

v. Land Use/Land Cover of the Mine Lease Area:

Private land	2927.51 Ha
Government land	167.720 Ha

Forest land	0
Total Mining lease area (MLA), ha	3095.23
Private land for crusher, workshop & other infrastructure outside the MLA	NA
Additional information (if any)	NA

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	E 12117 MCDR-MPC0LST/49/2024-JBP IBM_RO_JBP
	Date	13/01/2025
	Mineral & (Major/Minor)	Limestone, Major Mineral
	Mine Lease Area, Ha	3095.23
	Validity	Five years
Additional information (if any)	--	
Mining Parameters	Quantitative Description	
Method of Mining	Opencast	
Drilling/Blasting	Drilling & blasting is required for excavation of the material.	
Geological Reserves	1001333485.76 Tonnes	
Mineable Reserves	624802000.91 Tonnes	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Limestone– 6.092 MTPA, Soil – 0.059 MTPA, Overburden– 2.53 MTPA)	
Life of mine	102 years as per PP	
Mine Bench Height & Bench Width	Height 8m and Width not more than 15m.	
No. of Mine Benches	Number of benches in top soil – 0 Number of benches in Over burden– 2 Number of benches in Mineral– 2-3	
Existing Depth, m bgl	23m BGL	

Ultimate Depth of Mining, m bgl	30 m BGL (as per 5 years mining plan)					
Ground Water Table, m bgl	18m BGL to 22 m BGL					
Details of ground water intersection	No					
Individual bench slope	80°					
Overall pit slope	45°					
Details of existing/ proposed Crusher	Crusher of 1800 TPH Capacity					
Mineral Beneficiation	NA					
RoM output size	ROM up to the size of 1000-1200 mm will be fed to the crusher to get out put size of-50mmsuitable for grinding at raw mills at cement plant					
Transportation details including capacity of dumper/tipper, mode of transport and distance	The excavated Limestone will be transported from mine face to crushers located within the mine lease area by 40 Tonnes capacity of dumper via haul road. The crushed Limestone is being/will be transported via Road through dumpers to the Cement plant (~4.37 Km from ML area) from where the crushed limestone is being/will be used in own industry for manufacturing of clinker for cement production. Capacity of dumper – 40 Tonnes					
Generation of Topsoil/OB & its Management during plan period & conceptual period	Total 181445 m of TOP Soil has been generated out of this small quantity has been utilized for plantation and rest is stacked properly and separately.					
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	The waste generated from the mines is being dumped in the place designated for this purpose. Four OB dumps are active at present.					
Additional information(if any)	S.N	Dump status	Type of Dump	Proposed Area (ha)	Height (in m)	Total Dump (in Quantity)
	1	Active	Waste	6.22	12.0	1492992
	2	Active	Waste	0.39	7.50	58590.0
	3	Active	Waste	1.54	13.50	416745.0

	4	Active	Top soil	1.66	7.50	249870
	Total			9.81		2218197

vii. Water requirement:

Total water requirement	160 KLD	Fresh water	160 KLD
		Treated water	0 KLD
Source	Ground Water		
Permission for withdrawal/ intersection, along with details of the grant and its validity	A No Objection Certificate (NOC) has been granted by the competent authority vide Letter No. CGWA/NOC/MIN/REN/1/2024/9241 dated 13.03.2024, valid until 02.06.2025.		
Additional information (if any)	--		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Boda	Adjacent to ML area
Town	Simariya	Adjacent to ML area
Highway	SH-55 (Damoh-Panna Road)	1.1m; S
Railway Station/Railway line	Khajuraho Railway Station	50.6, North
Water Bodies	Ken River	Adjacent to PS in E
Forest	Udla PF	7.0, North

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	PP has obtained a letter from Deputy Forest Conservator, Bhopal M.P on 24.03.2021 regarding non-involvement of Forest Land within
National Park	No	

Wildlife Sanctuary	No	Mine Lease Area and No National Park, Wildlife Sanctuary, Tiger/ Reserve and ESZ within 10 km
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	There are 21 schedule-I species within the study area (Buffer zone). PP submitted the authenticated list of flora and fauna issued by DFO, Panna vide letter dated 09.06.2025.
Wildlife Conservation Plan	Yes	PP submitted the revised Wildlife Conservation Plan has been prepared as per Wildlife Amendment Act 2022 and submitted to State Forest Department on 16.06.2025.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	616.63 ha and no. of sampling proposed- 15,41,757
Budget for green plant & plantation till the end of life of mine.	Capital cost – 3,240 Lacs Recurring cost per annum – 194 Lacs
Budget for nursery	Nil
Details of the existing plantation and its survival rate	Total Plantation – 71,041 Nos. Survival rate – 85 %
No. of tree cuts in the mine lease area and compensatory afforestation	No
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Barrier Zone Area – 29 ha
50 m safety zone of nallah, roads, electric lines	Nalla Safety Zone – 20 ha Along Village Road – 15.65 ha

500 m safety zones of nearest habitation villages	Along habitation – 5.27 ha
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xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	December 2024 to February 2025
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and results	<p>11 locations</p> <p>All monitored air quality parameters were found to be within the permissible limits set by the Central Pollution Control Board (CPCB). The highest concentrations of PM₁₀ (81.57 µg/m³) and PM_{2.5} (47.12 µg/m³) were recorded at the project site, while Simaria Village registered the second-highest particulate levels.</p>
Noise level (no. of locations) and results	<p>11 locations</p> <p>The noise levels monitored within the CPCB-prescribed residential standards, with daytime Leq values ranging from 47.5 to 54.1 dB (A) and nighttime values between 35.3 and 44.8 dB (A). The highest levels were observed in Simaria village, attributed to higher population density and local traffic.</p>
Water Quality (no. of locations) and results	16 (Surface water 7 locations, Ground Water 9 locations)

	<p>A surface water quality assessment was carried out, analyzing a total of 48 parameters including physical, chemical, toxic, metal, and microbiological characteristics. The findings revealed that most parameters were within acceptable limits, with a few exceptions such as elevated turbidity, total suspended solids, and BOD at some pond sites (SW4, SW5, and SW6), indicating the pollution likely due to anthropogenic activities. The presence of coliform bacteria at all locations, particularly high counts in pond samples, suggests microbial contamination. All heavy metals and toxic pollutants were below detectable limits.</p> <p>The results of groundwater indicate that all tested parameters were within acceptable or permissible limits as prescribed by IS 10500:2012, with values for pH, turbidity, TDS, major ions (Ca, Mg, Cl, SO₄), heavy metals (Fe, Pb, Hg, Cd), and toxic elements found to be compliant. The water samples showed no detection of hazardous contaminants like cyanide or phenolic compounds beyond limits.</p>
Soil Quality (no. of locations) and results	<p>11 locations</p> <p>The results indicate that the soils are predominantly sandy clay in texture, slightly to moderately alkaline in pH, and possess good water holding capacity and porosity. Organic carbon levels were moderate to high, and heavy metals like lead, cadmium, and arsenic were found to be below detectable limits.</p>

Hydro geological study and results	<p>1 location</p> <p>Maximum elevation of study area is 360 MSL at a hill in Udla protected forest in the north of the mine lease, and the Minimum elevation 300 MSL near confluence of Mirhasan Nadi with the Ken river, hence a relative relief of 60 Meters.</p>
Traffic study (no. of locations) and results	<p>2 locations</p> <p>V/C ratio for the traffic survey conducted Near Intersection point of Mine Approach Road on SH 55 is observed to be 0.17 according to which it falls in LOS 'category A having Excellent performance'.</p> <p>V/C ratio for the traffic survey conducted Near Intersection Point of SH 55 towards cement plant is observed to be 0.21 according to which it falls in LOS 'category B having Excellent performance'.</p>

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	<p>PP has conducted PH under the chairmanship of the Additional District Collector, Panna and in the presence of Regional Officer Madhya Pradesh Pollution Control Board, Sagar, MP. The PH held on 08.07.2021 and budget allocation was 12.11 Cr and the status up to march 2025 is 10.709 Cr.</p>
Date of PH	
Venue	
Chaired by	
Main issues raised during PH	
Budget proposed for addressing issues raised during PH over 3 years	
Additional information (if any)	

	The public hearing is not applicable for expansion project.
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xiii. Details of CTE/CTO, Certified Compliance Report, and Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity		
Consent to Establish	Order issued vide No.: CTE-54691 dated 25/11/2021		
Consent to Operate	Consent Order issued vide letter No. AWH-56349 Dated. 25.07.2022, Valid till 30.06.2027		
Certified Compliance Report and Inspection date	Certified Compliance Report is enclosed with this EIA/EMP Report.		
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Year	Production as per EC	Remark
	2020-21	0.00	Mining activity was no started
	2021-2022	0.00	Mining activity was no started
	2022-23	852759.00	Mining activity started from August 2022
	2023-24	3646161.47	3.6MTPA
	2024-25	1738752.25	1.7 MTPA
	Total	6237673.047	

xiv. Rehabilitation & Resettlement (R&R):

R & R details	Not Applicable
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xv. Court case details:

Court Case, No and its present status	No court case
Undertaking by Project Proponent w.r.t court case	There is no court case pending against the proposed project. An undertaking in this regard in the form of an 'Affidavit' dated 26.08.2025 is attached

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	As per the OM dated 30.05.2018, an Affidavit dated 26.08.2024 stating that we will comply with all the statutory requirements and as per the judgment of Hon'ble SC order dated 02/08/2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause Vs Union of India is attached.
Undertaking by Project Proponent in EIA/EMP report	PP has submitted undertaking on 23.05.2025. Included in the EIA/EMP report
Undertaking by Consultant in EIA/EMP report	PP has submitted undertaking on 23.05.2025 and included in the EIA/EMP report
Plagiarism Certificate	PP has submitted a certificate of plagiarism vide letter dated 23.05.2025

xvii. EDS/ADS details (If any):

The EDS/ ADS were raised during the earlier consideration of meeting of minutes on (date of earlier consideration).

EDS 1 st		
S. No.	Query Raised dated 30.05.2025	Reply Submitted on 20.06.2025
1.	The project proponent (PP) needs to submit a covering letter for the proposed submitted on the PARIVESH portal	The copy of covering letter for the proposal submitted on the PARIVESH portal is submitted.
2.	PP needs to submit parawise compliance of the Ministry's OM dated 11.04.2022 and 30.05.2022	The parawise compliance of the Ministry's OM dated 11.04.2022 and 30.05.2022 are submitted.
3.	PP needs to submit the compliance of standard	The compliance of standard ToR along with EIA-EMP report is attached in the specified

	ToR along with EIA-EMP report, including all the relevant chapters as per the EIA Notification, along with all necessary supporting documents and annexures.	column on the Parivesh Portal and has been submitted.
4.	PP needs to submit an authenticated list of flora and fauna as per the Wildlife (Protection) Amendment Act, 2022 issued by State Forest Department	The authenticated list of flora and fauna as per the Wildlife (Protection) Amendment Act, 2022 issued by the State Forest Department is submitted.
5.	PP needs to submit the proof of application of Wildlife Conservation Plan to State Forest Department.	The application for revised Wildlife Conservation Plan as per the Wildlife (Protection) Amendment Act, 2022 has been submitted to the State Forest Department. Acknowledgement copy of the application is submitted.
EDS 2nd		
S. No.	Query Raised on 04.08.2025	Reply Submitted on 19.06.2025
1.	PP needs to provide the timeline for the development of green belt as per the Specific EC condition No. III.	Currently, no progressive benches are available for plantation as mine pit is active. Plantation work is going on in the periphery of mining lease area, Nallah, River, near habitation, approach road and in the area under possession. The current pit will be exhausted in around two years and thereafter progressive bench plantation will be done.
2.	PP needs to provide the timeline for the installation of solar pumps as per the specific EC condition No. VIII.	Mining operation is currently active in the pits and has not yet intersected the groundwater. Therefore, no water bodies have formed. Solar pumps will be installed once either current pits are exhausted or ground water will be intersected which will develop water bodies
3.	PP needs to provide the current status of NOC from CGWA as per specific EC Condition no. XX.	NOC from CGWA has been obtained vide letter no. CGWA/NOC/MIN/REN/1/2024/9241 dated 13.03.2024 for the use of ground water and dewatering with validity up to 02.06.2025. Application for renewal of the CGWA NOC has been submitted on the Bhu Neer portal vide

		application No. 6257/MIN/MP/2025/3524/R-2. dated 28.05.2025, and the same is under process with the CGWA for the grant of NOC. The current status of the application is submitted.
4.	PP needs to provide the timeline for initiation of grassing and vegetation on the OB dump as per the specific condition no. XXIV.	Presently, the OB dumps are active and will be stabilized after approximately. two years. Accordingly, the grassing and vegetation will be done in a scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. Dump mass will be consolidated with the help of dozer/ compactors
5.	PP need to submit the revised compliance of para 4(v) of OM dated 11.04.2022	Yes, the Predicted environmental quality parameters arising out of proposed expansion/modernization are within the prescribed norms and the same shall be maintained.
6.	PP needs to provide legible copy of the APCCF letter dated 24.03.2021.	Legible copy of APCCF letter dated 24.03.2021 is submitted.

xviii. Details of the Environmental Management Plan (EMP):

S. No.	Particulars	Existing EMP Cost (Rs. In Lacs)		Additional EMP Cost (Rs. In Lacs)	
		Capital	Recurring	Capital	Recurring
I. Environmental Management Measures - Water Pollution Control, Management & Conservation					
A.	Roof Top Rain Water Harvesting	10	0.5		0.5
B.	Oil and Grease trap at HEMM washing centre	5	0.5		0.5
C.	Others (Garland Drain, Retaining walls, Settling tank etc.)	10	2		2
II. Air Pollution Control & Management					
D.	Bag dust collector at crusher and dry fog	60	3.0		1.5

	system at unloading hopper				
E.	One water tanker for water sprinkling on haul roads	35	5		2.0
III. Noise Environment					
F.	Maintenance of the machineries, equipment's and others	-	-		0.5
IV. Ecological and Bio-diversity					
G	Green Belt Development	*3240	194	-	-
H.	Wildlife Conservation Plan	180	-	43.9	-
V. Social Aspect					
I	Environmental Awareness Program (Vocational Training, SHG's etc.)	25	5	-	-
J	Public Hearing Action Plan (Community Development Activities)	1211	10	-	-
	TOTAL	4776	220	43.9	7.0

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	4940 Lacs (Capital cost – 4721 Lacs, Recurring cost – 220 Lacs)
Project Cost	INR 2.80 Crores
Employment (No.s)	307 persons (206 Existing +81 Additional)
