



सत्यमेव जयते

File No.: J- 11015/243/2008-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Dated 23/07/2025



To,

Dr. K.V. Reddy
M/s. UltraTech Cement Limited
kvijender.reddy@adityabirla.com

Subject: Petnikota Limestone Mine with production capacity of 4.0 MTPA in the ML area of 912.797 ha by M/s. UltraTech Cement Ltd. located at Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh - For the Extension of validity of Environmental Clearance (EC) - reg.

Sir/Madam,

This refers to online application No. IA/AP/MIN/467299/2024, dated 27.03.2024, submitted to the Ministry for obtaining prior Environmental Clearance (EC) under the provisions of the Environmental Impact Assessment (EIA) Notification, 2006, and its subsequent amendments. The application pertains to the Petnikota Limestone Mine, with a production capacity of 4.0 MTPA, covering a mining lease (ML) area of 912.797 hectares, operated by M/s UltraTech Cement Ltd. The project is located in Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh, and seeks an extension of the validity of the granted Environmental Clearance (EC).

2. The particulars of the proposal are as below :

(i) Validity Extension Identification No.	EC24A0000AP5309778N
(ii) File No.	J- 11015/243/2008-IA.II (M)
(iii) Clearance Type	Application for Validity Extension of EC- Form-6
(iv) Category	A
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vi) Sector	Non-Coal Mining Validity Extension of Environment Clearance Letter no. J-11015/243/2008-IA.II (M) for Petnikota Limestone Mine (ML Area 912.797 ha) with Existing Limestone Production Capacity of 4.0 Million TPA located at Village: Petnikota, Mandal: Kolimigundla, District: Nandyal, Andhra Pradesh.
(vii) Name of Project	
(viii) Location of Project (District, State)	NANDYAL, ANDHRA PRADESH

(ix) Issuing Authority	MoEF&CC
(x) EC date	
(xi) Status of implementation of the project	Project is operational for complete components/units envisaged in the EC
(xii) Whether any amendment to the earlier EC has been sought?	No

3. In view of the particulars provided in Paragraph 1 above, the project proposal, including Form-6, has been submitted to the MoEF&CC under the provisions of Paragraph 9.0 of the EIA Notification, 2006, and its subsequent amendments for appraisal by the Expert Appraisal Committee (EAC).

4. The above-mentioned proposal has been considered by EAC in the meeting held on 06/02/2025. The proposal was again referred in the 44th EAC meeting scheduled on 16/05/2025 as per the direction of the Competent Authority. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal.

5. Observation and Recommendation of the Committee:-

Deliberations on 40th EAC meeting held on 06/02/2025

The Committee deliberated on the proposal for the extension of the validity of the Environmental Clearance (EC) dated 20.11.2023 for the Petnikota Limestone Mine, with a production capacity of 4.0 MTPA over a mining lease (ML) area of 912.797 hectares, operated by M/s UltraTech Cement Ltd., located in Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh.

The proposal was earlier considered in the 29th meeting of the Expert Appraisal Committee for Non-Coal Mining (EAC-NCM) held on 9-10 May 2024. However, the Committee had deferred the proposal, seeking additional information. The Project Proponent (PP) submitted the requisite information on 20.01.2025, following which the matter was deliberated in the 40th EAC meeting held on 06.02.2025.

The PP informed the Committee that the application for the extension of EC validity was submitted within the prescribed timeframe, as per the Ministry's Notification S.O. 2944(E) dated 14.09.2016. It was also noted that the original EC for the project was granted on 14.05.2009, and its validity was aligned with the lease deed, as per the latest EC amendment letter dated 20.11.2023.

Furthermore, the PP clarified that the mining lease was originally executed for a period of 20 years on 27.04.2004, making it valid until 26.04.2024. Subsequently, in accordance with the amendment to the Mines and Minerals (Development and Regulation) Act (MMDR Act), the lease tenure was extended for an additional 30 years, up to 26.04.2054, as per Government Order G.O.M. No. 92, dated 18.12.2024.

The EAC took note of the submissions made by the Project Proponent (PP) and sought details regarding previous amendments granted for the project. The PP informed that the initial Environmental Clearance (EC) for a mining lease area of 951.848 hectares was granted by the Ministry vide letter no. J-11015/243/2008-IA.II (M) dated 14th May 2009. The EC was subsequently amended on 9th February 2010 in favor of M/s Grasim Industries Limited. Thereafter, the EC was further amended and transferred to M/s UltraTech Cement Limited for a reduced mining lease area of 912.797 hectares, as per the amendment letter dated 20.11.2023.

The PP also informed the Committee that following the expiry of the EC, mining operations were discontinued. A certificate from the Directorate of Mines and Geology (DMG), dated 03.02.2025, confirming the cessation of operations was submitted for the Committee's consideration.

The EAC further deliberated on the Additional Details Sought (ADS) points, particularly regarding expenditures made by the PP in fulfillment of public hearing commitments. The PP provided a detailed, activity-wise breakdown of the

expenditure incurred, stating that a total amount of 296.25 lakhs had been spent on public hearing commitments from 2014-15 to 2023-24. The PP also clarified that mining activities had only commenced in the year 2022-23.

The EAC acknowledged the submissions made by the Project Proponent (PP) and reiterated the provisions outlined in the Ministry's Notification S.O. No. 1807(E) dated 12.04.2022, along with the Office Memorandum dated 13.12.2022. These stipulate that the validity of Environmental Clearances (EC) for mining projects shall be 30 years, with the possibility of further extensions, subject to the adequacy of the Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP), which must be reviewed every five years beyond the initial 30-year period. In light of this, the Committee determined that the validity of the existing EC could be extended up to 30 years from the date of its original issuance on 14.05.2009.

Deliberations on 44th EAC meeting held on 16/05/2025

The instant proposal is for extension of validity of Environmental Clearance dated 20.11.2023 for Petnikota Limestone Mine with production capacity of 4.0 MTPA in the ML area of 912.797 ha by M/s. UltraTech Cement Ltd. located at Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh.

EAC deliberated on the Certified Compliance Report issued vide letter dated 17.10.2023 from Sub-Office of Ministry located at Vijaywada. As per the report the site inspection was carried out on 11.10.2023. It was noted that PP has submitted action taken report dated 18.10.2023 with respect to inspection/ monitoring report of RO Vijaywada.

According to the report on EC letter Letter No. J-11015/243/2008-IA. II (M) dated 14.05.2009 and 09.02.2010 (amendment) there were seven partially complied points and rest were being complied/assured to comply. The PP during the meeting presented the following compliance with respect to the partially complied points:

S.No.	Specific condition	Observations as per CCR dated 17.10.2023	ATR dated 18.10.2023 submitted by PP to RO	Compliance presented during 44 th EAC meeting held on 15-16 May 2025
i.	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented. Specific hydro-geological shall be conducted at the end of mining plan period i.e. at the end of the 5th year of mining, before proceeding to undertake mining in the 6th year. The report shall be submitted to the Regional Office of the Ministry.	Partially complied The details of present mine status is mentioned in Specific Condition No. i As per the discussions held, PAs have assured to conduct and review the Hydrogeological study of the area on annual basis and the report will be submitted to Regional Office of the Ministry. It is required to conduct Hydro-geological study of the area annually and results to be submitted to the Ministry, Sub-Office, Vijayawada and concerned agency in the State Govt. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	Mining operations were not started due to various technical reasons till February 2023. After resolving the technical issues, the Mining operations was commenced in the month of March 2023. The present working pit depth of the mine is 4 mtr below ground level. Whereas, the water table in the region is 65mtr bgl. Presently, there is no impact on the water table. Hydro-geological study will be carried out annually as per the conditions.	Mining operations were not started due to various technical reasons till February 2023. After resolving the technical issues, the Mining operations was commenced in the month of March 2023. The present working pit depth of the mine is 4 meter below ground level. Whereas, the water table in the region is 65 meter below ground level. Presently, there is no impact on the water table. Hydro-geological study will be carried out annually as per the conditions.

		Specific hydro - geological shall be conducted at the end of mining plan period i.e. at the end of the 5th year of mining, before proceeding to undertake mining in the 6th year. The report shall be submitted to the Regional Office of the Ministry.														
ii.	A 50 m barrier of no mining zone all along the side(s) facing the nallahs / streams passing through or adjacent the lease area shall be demarcated and thick vegetation of native species raised. Status of implementation shall be submitted to the regional office of the Ministry on half yearly basis. It shall be ensured that no silt originating from mining activity is transported in the nallah/surface water course.	<p>Partially complied</p> <p>The details of present mine status is mentioned in Specific Condition No. i It has been stated that phase wise plantation is being carried out within the mine lease area. The greenbelt development details are as follows:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Area in Ha</th> <th>No. of saplings</th> </tr> </thead> <tbody> <tr> <td>2004-2022</td> <td>18.58</td> <td>46450</td> </tr> <tr> <td>2022-2023</td> <td>0.20</td> <td>500</td> </tr> <tr> <td>2023-2024</td> <td colspan="2">Will be carried out in the month of November</td> </tr> </tbody> </table> <p>It is required to demarcate and develop a 50 m barrier of thick vegetation of native species at no mining zone along the side(s) facing the nallahs / streams passing through or adjacent the lease area. Status of implementation should be submitted to the Ministry's Sub Office at Vijayawada along with six monthly compliance reports in regular basis. It should be ensured that no silt originating from mining activity is transported in the nallah/surface water course.</p>	Year	Area in Ha	No. of saplings	2004-2022	18.58	46450	2022-2023	0.20	500	2023-2024	Will be carried out in the month of November		Safety barrier has been demarcated on either side of the nallah as no mining zone. Phase wise plantation is being developed in the safety barrier zone with native species as per the approved mining plan. Mining operations were not started till Feb'23 due to the various technical reasons. Mining operations was commenced in the month of Mar'23 and as on date only 0.12 Ha area is under mining whereas 18.78 Ha plantation is already developed in the leased area. Plantation will be developed in the balance area in phased manner.	Safety barrier has been demarcated on either side of the nallah as no mining zone. Phase wise plantation is being developed in the safety barrier zone with native species as per the approved mining plan. Mining operations were not started till February 2023 due to the various technical reasons. Mining operations was commenced in the month of March 2023 and as on date only 0.12 Ha area is under mining whereas 18.78 Ha plantation is already developed in the leased area. Plantation will be developed in the balance area in phased manner.
Year	Area in Ha	No. of saplings														
2004-2022	18.58	46450														
2022-2023	0.20	500														
2023-2024	Will be carried out in the month of November															
iii.	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office of the Ministry within six months and thereafter every year from the next consequent year.	<p>Partially complied</p> <p>It has been informed that the PAs have initiated the mining operations from 25.03.2023 and about 500 MT of ore excavated from single pit. The Ore has transported to the M/s UltraTech Cement Industry located at Tadipatri. PAs have yet to implement the</p>	The Ground water harvesting structure are developed within the Mining Lease area to improve the ground water levels & recharge the ground water table. This project has been undertaken in collaboration with	The Ground water harvesting structure are developed within the Mining Lease area to improve the ground water levels & recharge the ground water table. This project has been undertaken in collaboration with												

		rain water harvesting to recharge the ground water source. It has been informed that the mining activities will be maintained such that rainwater will be diverted and stored in lower benches by creating a sump. This water will be reused for greenbelt/ plantation, mining operation, dust suppressions etc.	ICRISAT, a renowned international body for such programmes.	ICRISAT, a renowned international body for such programmes.
iv.	Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable productive use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Regional Office of the Ministry.	Partially complied As per the discussions held, it has been stated that the cultivable waste land (within 5 km of the lease) will be identified and fodder farming or other suitable productive use of waste land shall be taken up in phased manner. It is required to identify the cultivable waste land (within 5 km of the lease) and fodder farming or other suitable productive use of waste land should be taken up in phased manner. Status of implementation should be submitted to this Office along with six monthly compliance report on regular basis.	As of now the lands are not used for mining, as the mining not started until February 223, and there was no any restrictions for the movement of cattle. Now we will develop fodder farming in the waste land as per the guidelines.	As of now the lands are not used for mining, as the mining not started until February 2023 and there was no any restrictions for the movement of cattle. Now, PP will develop fodder farming in the waste land as per the guidelines.
v.	Shelter Belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields / human habitation etc. (if any in the vicinity) shall be raised.	Partially complied It has been informed that the PAs have initiated the mining operations from 25.03.2023 and about 500 MT of ore excavated from single pit. The Ore has transported to the M/s UltraTech Cement Industry located at Tadipatri. It has been observed that the present mining operations are far away from human habitation/ school etc. It is required to develop a shelter belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields / human habitation etc. (if any in the vicinity).	Mining operations were not started due to various technical reasons till February 2023. After resolving the technical issues, Mining operations was commenced in the month of March 2023 only. There is no schools/human habitation near the working areas. Shelter belt will be developed when the workings approaches towards schools/habitation.	Mining operations were not started due to various technical reasons till February 2023. After resolving the technical issues, mining operations was commenced in the month of March 2023 only. There is no schools/human habitation near the working areas. At present, working pit area is 0.12 Ha that is approx. 1830 meters away from the Petnikota Village. Shelter belt will be developed when the workings approaches towards

				infrastructure development and social causes between 2014 - 2015 till 2024-2025.
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EAC noted the submission of PP and asked whether PP has submitted action taken report based on the observations of Sub-Office. PP mentioned that they have submitted the action taken report to Sub-Office at Vijaywada vide letter dated 18.10.2023.

EAC reviewed the submission of the PP and was of the opinion that even though depth of the mining is at 4 m, PP should conduct the Hydro-geological study within next six months and submit an action taken report to the Ministry's Sub-Office. With regard to plantation EAC was of the opinion that the compliance as per the RO Vijaywada, plantation in the 50 m barrier of no mining zone all along the sides facing nallahs/ streams shall be completed till year 2025 and in consonance with the approved mining plan. PP should complete the same within this year i.e. till year 2025. EAC also stated that PP should identify the cultivable waste land within 5 km of the mine lease and fodder farming or other suitable productive use of waste land should be taken within six months. Further EAC also advised PP to complete the plantation in the 7.5 m safety zone of already acquired area by monsoon season of this year i.e. 2025. EAC also advised PP to vigorously implement its public hearing commitments and submit an implementation report to Ministry's Sub-Office at Vijaywada in the half-yearly compliance reports.

The Hydrogeological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented. Specific hydro-geological shall be conducted at the end of mining plan period i.e. at the end of the 5th year of mining, before proceeding to undertake mining in the 6th year. The report shall be submitted to the Regional Office of the Ministry.

6. Based on the above deliberations and the presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 44th EAC (NCM) meeting held during 15-16th May 2025, under the provisions of the EIA Notification, 2006 and its subsequent amendments, reiterated its recommendation made vide minutes of the 40th EAC meeting held on 06.02.2025 and further **recommended** proposal for the extension of the validity of the Environmental Clearance for the Petnikota Limestone Mine with a production capacity of 4.0 MTPA over a mining lease area of 912.797 hectares, located at Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh, by M/s UltraTech Cement Ltd with inclusion of certain additional specific conditions in the minutes of 40th EAC Meeting held on 06.02.2025 in addition to the existing 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 reviewed 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), the Ministry hereby grants an extension of the validity of the Environmental Clearance for the Petnikota Limestone Mine. The project, with a production capacity of 4.0 MTPA over a mining lease area of 912.797 hectares, is located in Petnikota Village, Kolimigundla Mandal, Nandyal District, Andhra Pradesh, and is being implemented by M/s UltraTech Cement Ltd. This extension is subject to strict compliance with the specific conditions prescribed for this project, along with the existing standard conditions applicable to non-coal mining projects, as detailed in Annexure I.

9. The extension of 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:

a. 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.

b. 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.

c. 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.

d. 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>)).

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

Copy To

i. **The Secretary**, Ministry of Mines, Government of India ShastriBhawan, New Delhi.

ii. **The Secretary**, Department of Environment, Government of Andhra Pradesh, 4th Block, 1st Floor, Room No:268, Andhra Pradesh Secretariat Office, Velagapudi.

iii. **The Secretary**, Department of Forests, Government of Andhra Pradesh, AranyaBhavan, K.M. Munshi Road, Nagarampalem, Guntur-522004, Andhra Pradesh.

iv. **The Secretary**, Department of Mines and Geology, Government of Andhra Pradesh, Sri Anjaneya Towers, D.No. 7-

104, B-Block, 5th& 6th Floors, Vijayawada, Ibrahimpatnam, Andhra Pradesh 521456.

v. **The Secretary**, Department of Industries and Commerce (M-III), Government of Andhra Pradesh, Commissionerate of Industries, First Floor, Government Regional Printing Press Buildings, Mutyalampadu, Vijayawada-520011.

vi. **The Inspector General of Forests**, Regional Office (RO), Vijayawada, Ministry of Environment, Forest and Climate Change, Green House Complex, Gopalreddy road, Vijayawada-520010, Andhra Pradesh.

vii. **The Member Secretary**, Central Pollution Control Board, PariveshBhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.

viii. **The Member Secretary**, Andhra Pradesh State Pollution Control Board, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada – 520 010.

ix. **The Member Secretary**, Central Ground Water Authority, A 2, W-3 Curzon Road Barracks, K.G Marg, New Delhi-110011.

x. **The Chief Wildlife Warden**, Govt. of Andhra Pradesh, AranyaBhawan, K.M. Munshi Road, Nagarampalem, Guntur-522004, Andhra Pradesh.

xi. **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.

xii. **Director General**, Directorate General of Mines Safety, Hiraipur, Dhanbad, Jharkhand, 826001

xiii. **The District Collector**, Nandyal District, Government of Andhra Pradesh.

xiv. Guard File.

xv. **PARIVESH Portal.**

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions

S. No	EC Conditions
1.1	The Project Proponent (PP) shall conduct a hydro-geological study within six months. An Action Taken Report based on the study shall be submitted to the Ministry's Sub-Office at Vijayawada.
1.2	PP needs to complete plantation activities within the project by the Monsoon season of 2025. Plantation shall also be completed in the 7.5-meter-wide safety zone of the already acquired surface area by the year 2025. PP shall distribute fruit bearing and other native species plants to the villagers of Petnikota village and other adjacent villages also and encourage them to do plantations.
1.3	PP shall identify cultivable waste land within a 5 km radius of the mine lease area. PP shall initiate fodder farming or other suitable productive use of this waste land in a phased manner. Identification of cultivable waste land should be done within six months from issue of this EC letter.
1.4	PP needs to implement all public hearing commitments. A report on implementation shall be submitted in the half-yearly compliance reports to the Ministry's Sub-Office at Vijayawada.
1.5	PP shall construct water reservoirs in the lease area that shall also act as groundwater recharge zone. Construction of ponds in the adjacent villages should also be explored. All the buildings / offices of PP in and adjacent to the project shall have roof top rainwater harvesting structures.
1.6	All other specific conditions as recommended vide 40th EAC shall remain unchanged.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	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 clearance from the National Board for Wildlife, if applicable.
1.6	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.
1.7	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.
1.8	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
1.9	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.
1.10	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.
1.11	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.
1.12	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."

S. No	EC Conditions
1.13	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.
1.14	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.

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 monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986. 9) 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.
3.2	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
3.3	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

S. No	EC Conditions
	/fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
3.4	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
3.5	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.
3.6	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.
3.7	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.
3.8	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.
3.9	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.
3.10	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	Quality of polluted water generated from mining operations which include Chemical Oxygen

S. No	EC Conditions
	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.
4.2	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
4.3	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 be submitted to Regional Office MoEFCC annually.
4.4	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.
4.5	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.
4.6	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	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.
4.8	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.
4.9	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

S. No	EC Conditions
	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.
4.10	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.
4.11	The project proponent shall practice rainwater harvesting to maximum possible extent.
4.12	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.
4.13	Adhere to Zero Liquid Discharge
4.14	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.
4.15	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.
4.16	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.

5. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
5.3	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

S. No	EC Conditions
	aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

6. Noise Monitoring And Prevention

S. No	EC Conditions
6.1	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.
6.2	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.

7. Energy Conservation Measures

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

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	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

S. No	EC Conditions
	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.
9.2	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.
9.3	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.
9.4	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. Transportation

S. No	EC Conditions
11.1	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.
11.2	No Transportation of the minerals shall be allowed in case of roads passing through villages/

S. No	EC Conditions
	<p>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].</p>

12. Green Belt And Emp

S. No	EC Conditions
12.1	<p>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</p>
12.2	<p>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.</p>

13. Public Hearing And Human Health Issues

S. No	EC Conditions
13.1	<p>Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.</p>
13.2	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>
13.3	<p>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.</p>
13.4	<p>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.</p>
13.5	<p>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.</p>

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	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest 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.
15.2	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.
15.3	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
15.4	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.
15.5	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 report to the head of the organization.
15.6	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.

16. Miscellaneous

S. No	EC Conditions
16.1	The project proponent shall submit the environmental statement for each financial year in Form-V

S. No	EC Conditions
	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.
16.2	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.
16.3	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).
16.4	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.
16.5	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.
16.6	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.
16.7	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.
16.8	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 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.
16.11	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.
16.12	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 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.
16.14	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.
16.15	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.
16.16	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.
16.17	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.
16.18	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.
16.19	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.
16.20	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
16.21	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.
16.22	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.

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

Additional Specific Conditions recommended in 40th EAC meeting dated 06.02.2025

- i. The natural water bodies and or streams which are flowing in and around the mine lease area should not be disturbed. PP shall consult state Water Resource department and SPCB regarding safeguards of Nallah/Stream and follow their instructions. Implementation status of this condition should be communicated to Regional office,
- ii. PP shall carryout the blasting in a controlled manner such that the direction of the blasting should be perpendicular to the village/ habitations. PP needs to strictly adhere to MMR (Metalliferous Mines Regulation)1961 / DGMS guidelines for undertaking blasting activity so that safety is ensured and chances of ground vibration and overpressure are minimized.
- iii. The Project Proponent should take adequate measures to prevent the fly rock 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 over pressure.
- iv. The Project Proponent shall continue to 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 crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.
- v. The Project Proponent should install Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB.
- vi. The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of wild animals in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimise stress conditions for wild animals and to avoid Man-Animal conflict.
- vii. The Project Proponent shall take adequate measures to prevent the pilferage of mineral during transportation.
- viii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions.
- ix. 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.
- x. The Project Proponent should establish in house (at project site) environment laboratory for measurement of

environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.

xi. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEF&CC.

xii. The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office. Density of plantation should be 2500 plants/ha. PP shall make provision for drip irrigation to conserve the water. PP should plant fruit bearing trees along with Sal and allied species within the ML area.

xiii. The Project Proponent shall provide the rainwater harvesting structure at mine offices and quarters/colonies to recharge the ground water.

xiv. PP needs to construct sedimentation ponds, check dam, gabion structures, retaining wall, garland drain etc to safeguard the natural Streams/Nallahs flowing in and around the Lease area.

xv. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.

xvi. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.

xvii. The mobile water tankers should be used in the ML area for dust suppression and control. A logbook of water tankers should be maintained mentioning running hours, kilometer reading, maintenance hours of water tankers for each shift. PP shall use non-toxic chemicals for dust suppression in order to reduce the total water requirement.

xviii. The Project Proponent needs to reduce the dependency upon the ground water, surface water (water from rivers, etc.) and it 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 submit to Ministry's Regional Office.

xix. The Project Proponent shall ensure that the transportation shall not occur through village road.

xx. 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 growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

xxi. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.

xxii. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.

xxiii. PP needs to comply 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” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded inthe MeriLife portal(<https://merilife.nic.in>).

xxiv. This EC shall be valid till 13.05.2039.

xxv. All other terms and conditions mentioned in the EC letters dated 14.05.2009, 09.02.2010 and 20.11.2023 shall remain unchanged.

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.



Petnikota Limestone Mine with production capacity of 4.0 MTPA in the ML area of 912.797 ha by M/s. UltraTech Cement Ltd. located at Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh.

Detail of the Project:

The details of the project as ascertained from the document submitted by the Project Proponent are given as under:

i. Project details:

Name of the Proposal	Validity Extension of Environment Clearance vide letter no. J-11015/243/2008-IA.II (M) for Petnikota Limestone Mine (ML Area 912.797 ha) with existing Limestone Production Capacity of 4.0 Million TPA located at Village: Petnikota, Mandal: Kolimigundla, District: Nandyal, Andhra Pradesh.	
Location	Village	Petnikota
	Tehsil/Taluka	Kolimigundla
	District	Nandyal
	State / UT	Andhra Pradesh
	Latitudes	15 ⁰ 03'25.71" N to 15 ⁰ 06'37.48" N
	Longitudes	78 ⁰ 01'20.96" E to 78 ⁰ 04'11.82" E
	Sol Toposheet No.	57I/4
Company's Name	M/s. UltraTech Cement Limited	
Accredited Consultant and certificate no. and Validity	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI), Certificate No: NABET/EIA/2326/RA 0308, Dated 29.09.2023 & valid up to 07.08.2026	
KML file	KML is uploaded on Parivesh 2.0 Web Portal	
Seismic zone	Zone – II as per IS: 1893 (Part-I): 2002	

ii. Category details:

Category of the project	As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A".
Schedule No.	Project or Activity 1 (a) – 3 for "Mining of Mineral"
Mining lease Area (MLA) (In ha.)	912.797 ha

General Conditions (if any)	Not Applicable
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iii. ToR/EC Details:

Date of application	Proposal No/ File No.	Consideration by EAC	Details of ToR	Date of accord
27.03.2024	MoEF&CC File No. J-11015/243/2008-IA-II (M); Proposal No. IA/AP/MIN/467299/2024	40th EAC Meeting	Not Applicable, as this proposal is for Validity Extension of Environment Clearance Letter no. J-11015/243/2008-IA.II (M) for Petnikota Limestone Mine (ML Area 912.797 ha) with Existing Limestone Production Capacity of 4.0 Million TPA located at Village Petnikota, Mandal Kolimigundla, District Nandyal, Andhra Pradesh.	

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
27.03.2024	MoEF&CC File No. J-11015/243/2008-IA-II (M); Proposal No. IA/AP/MIN/467299/2024	40th EAC Meeting	Proposal is for consideration of Validity Extension of Existing EC	

iv. Details of Mine Lease in Chronological Manner:

S. No.	Prospecting License/Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	PL was granted vide no. G.O.Ms. No, 252 to M/s. Grasim Industries Limited	03.05.2000	Limestone	2 years	Govt. of Andhra Pradesh	1357.088
2.	The Mining Lease was Granted vide order no. G.O.MS.No.222 in favour of M/s.	22.07.2003	Limestone	20 years	Govt. of Andhra Pradesh	951.848 ha

	Grasim Industries Limited					
3.	Revised extent vide Order G.O.Ms. No. 88 in favour of M/s. Grasim Industries Limited	27.12.2022	Limestone	-	Govt. of Andhra Pradesh	912.797 ha
4.	Transfer of ML in the Name of UltraTech Cement Limited vide order G.O.Ms.No.89	27.12.2022	Limestone	-	Govt. of Andhra Pradesh	912.797 ha
5.	Transfer deed Registered & Executed	23.01.2023	Limestone	-	Govt. of Andhra Pradesh	912.797 ha
6.	ML Validity extension upto 26.04.2054 vide order No. G.O.Ms. No. 92 issued on 18.12.2024 by Govt. of Andhra Pradesh	18.12.2024	Limestone	-	Govt. of Andhra Pradesh	912.797 ha

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.	Mine lease has been executed and registered on 27.04.2004 for 20 years	27.04.2004	26.04.2024	Limestone	951.848 ha
2.	Revised extent vide Order G.O.Ms. No. 88 in favour of M/s. Grasim Industries Limited	27.12.2022	26.04.2024	Limestone	912.797 ha
3.	Transfer of ML in the Name of UltraTech Cement Limited vide order G.O.Ms.No.89	27.12.2022	26.04.2024	Limestone	912.797 ha
4.	Transfer deed Registered & Executed	23.01.2023	26.04.2024	Limestone	912.797 ha

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

Private land	705.0996 ha
Government land	207.6974 ha
Forest land	-
Total Mining lease area (MLA), ha	912.797 ha
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area
Additional information (if any)	-

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	AP/KNL/LST-214/HYD	
	Date	19.12.2023	
	Mineral & (Major/Minor)	Major	
	Mine Lease Area, Ha	912.797	
	Validity	01.10.2028	
Additional information (if any)	Mining Plan with Progressive Mine Closure Plan was approved by IBM letter no. AP/KNL/MP/LST-62/SZ dated 06.03.2003. Scheme of mining has been approved by IBM vide letter MS/MP/KLN/LST-204/SZ dated 18.08.2009. Review of Mining Plan with Progressive Mine Closure Plan was approved by IBM letter no. AP/KNL/LST-214/HYD dated 14.03.2023.		
Mining Parameters	Quantitative Description		
Method of Mining	Opencast Mechanized Limestone Mine		
Drilling/Blasting	S. No.	Parameter	Description
	1	Bench Height	9 m
	2	Depth of Blast hole	9 m
	3	Burden	4 m
	4	Spacing	8 m
	5	Hole diameter	150 mm
Geological Reserves	293.90 Million Tonnes		
Mineable Reserves	182.47 Million Tonnes		
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Limestone 4.00 Million TPA		
Life of mine	~46 years (Based on the future exploration life of mine may change)		
Mine Bench Height & Bench Width	Bench Height: 9 m, Bench Width: 20 m		

No. of Mine Benches	At present mining is being operated with a single bench with a dept of 4 m bgl and at conceptual stage total 8 Nos. benches
Existing Depth, m bgl	4 m
Ultimate Depth of Mining, m bgl	60 m BGL mentioned as per the EC
Ground Water Table, m bgl	245 m RL mentioned as per the EC
Details of ground water intersection	At present mine working is only 4mtr. Ground water table will be not intersected.
Individual bench slope	85 ⁰
Overall pit slope	45 ⁰
Details of existing/ proposed Crusher	At present, existing crusher is being used which is located at Tummalapenta Limestone Mine. Crusher will be established in the subject lease area, once Cement Plant is set up for this lease.
Mineral Beneficiation	Mineral Beneficiation is not involved.
RoM output size	-50 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	Dumpers/Tippers are/will be used for transportation from Mine to Crusher.
Generation of Topsoil/OB & its Management during plan period & conceptual period	During Plan Period 0.249 Million Tonnes soil will be generated during the plan period which will be used in greenbelt/Plantation. 2.25 Million Tonnes waste will be generated during the plan period which will be dumped on 21.31 ha earmarked area. At Conceptual Stage 5.42 Million Tonnes of soil to be generated which will be used in Greenbelt/Plantation. 30.15 Million Tonnes of waste to be generated which will be used in backfilling.
Generation of Mineral Rejects/Waste & its Management during plan period & conceptual period	At present 0.168 Million Tonnes Mineral Reject generated which is stacked on 20.04 ha area. During Plan Period 2.296 Million Tonnes Mineral Reject will be generated during the plan period which will be stacked on 12.80 ha earmarked area. At Conceptual Stage 45.63 Million Tonnes Mineral Reject will be generated at conceptual stage.

vii. Water requirement:

Total water requirement	200 KLD	Fresh water	200 KLD
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		Treated water	-
Source	Ground water & Mine Sump		
Permission for withdrawal/ intersection along with details of grant and its validity	<p>Water is being met from the existing Tummalapenta Limestone Mine. Withdrawal permission has been obtained from Govt., of Andhra Pradesh under APWALTA vide letter No. CORD-11028/6/2018-SLNA-GIS-CORD on 11.12.2021.</p> <p>Once mine working expands, sump will be developed to collect the rain water, which will be used for dust suppression and plantation purpose with due permission from the concerned authority.</p>		

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

Particulars	Particular's Name	Distance & Directions
Village	Petnikota	Adjacent in East direction
Town	Tadipatri	~16.0 Km in SSW Direction
Highway	SH-57	2.5 Km in SSE Direction
	SH-30	6.5 Km in SSW Direction
Interstate Boundary	None	-
Railway Station/Railway line	Tadipatri RS	~18.5 Km in SSW Direction
Water Bodies	Pedda Vanka	Passing through the ML
	Saddala Benganna Cheruva	~1.5 Km in East Direction
	Madhu Vagu Nala	~8.0 Km in ESE Direction
	Owk Reservoir	~9.5 Km in NNE Direction
Forest	Owk Reserve Forest	~9.5 Km in NNW Direction

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	No forest land fall within the ML
National Park	No	No National Park, Wildlife Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, etc. falls within 10 km radius study area.
Wildlife Sanctuary	No	
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)	-	-
Wildlife Conservation Plan	-	-

x. Green belt/Plantation details:

Proposed area for greenbelt/plantation and no. of saplings proposed	Total proposed Greenbelt/Plantation: 117 ha
Budget for green plant & plantation till the end of life of mine.	Rs. 1.46 Crore
Budget for nursery	Rs. 10 Lakh
Details of existing plantation and its survival rate	Survival Rate is being/will be maintained 90%
No. of tree cuts in the mine lease area and compensatory afforestation	No trees are cut
Particulars for Green belt/plantation	Area covered (In Ha)
7.5 m barrier & non-mineralized zone	17.18 Ha. at the conceptual stage
50 m safety zone of nallah, roads, electric lines	87.82 Ha. at the conceptual stage
500 m safety zones of nearest habitation villages	12.00 Ha. at the conceptual stage

xi. Details of EC/ CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Environmental Clearance	Environmental Clearance was obtained from MoEF&CC, New Delhi, vide letter no. J- 11015/243/2008-IA.II (M) dated 14 th May, 2009 and subsequent amended on 9 th February, 2010 in favor of M/s. Grasim Industries Limited and subsequently transferred in the name of UltraTech vide letter dated 20 th Nov'2023. Environmental Clearance for Amendment in EC for reduced ML Area from 951.848 ha to 912.797 ha on 20 th Nov'2023.
Consent to Establish	Consent for Establishment for 4.0 Million TPA Limestone has been obtained from Andhra Pradesh Pollution Control board vide Consent Order No. 141/PCB/CFE/RO-KNL/HO/2009-570 dated 31.05.2010.
Consent to Operate	Consent for Operations for 4.0 Million TPA Limestone has been obtained from Andhra Pradesh Pollution Control board vide Consent Order No. APPCB/KNL/KNL 17406/CFO/HO/2014-338 dated 25.04.2014. CTO & HWA Recommendation Letter No. 322614-APPCB/KNL/

	KNL/CTO/HO/2024 Dated 23.05.2024 For Upto 31.03.2025
Certified Compliance Report and Inspection date	Compliance Report Certified by RO Vijayawada on 17.10.2023 & date of inspection 11.10.2023.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	PP has submitted the DMG Certified production figures from the inception of mine.

xii. Rehabilitation & Resettlement (R&R):

R & R details	Not applicable, as this proposal is for Validity Extension of Existing Environment Clearance
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Court case details:

Court Case, No and its present status	No court case pending against the project.
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xiii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted the affidavit on 17.01.2025
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xiv. Project Proponent has submitted point-wise reply of ADS vide letter dated 03.01.2025:

S. No.	Observation of EAC	Reply by Project Proponent
1	The PP needs to submit a certificate from the State Government stating the validity of ML extended upto 26.04.2054.	A Govt. order stating the validity of ML extended upto 26.04.2054 was issued from the Government of Andhra Pradesh vide order No. G.O.Ms.No.92 on 18.12.2024.
2	The PP also needs to submit the activity-wise details expenditure status of Public Hearing.	Activity-wise detailed expenditure status of Public Hearing has been submitted.
3	PP needs to submit an affidavit as per Ministry's OM dated 30.05.2018.	PP has submitted the Affidavit on 17.01.2025 as per Ministry's OM dated 30.05.2018.

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

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Pollution control measures, Environmental Monitoring, Occupational Health, Greenbelt, Reclamation of mined out area.	50.00 Lakhs	17.00 Lakhs

xvi. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public Hearing)	67 Lakhs
Project Cost	This proposal is for Validity Extension of Existing EC. However existing Project cost is Rs. 60 Crores
Employment (Nos)	44 Persons

