

ENVIRONMENTAL
CLEARANCE



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Andhra Pradesh)

To,

The President

RAMCO CEMENTS ENVIRONMENT

The Ramco Cements Limited 5th Floor Auras Corporate Centre 98A Dr
Radhakrishnan Road Mylapore Chennai 60004 -600004

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/AP/MIN/40832/2006 dated 19 May 2021. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC21B001AP151835 |
| 2. File No. | AP KRI MIN 08 2019 1219 |
| 3. Project Type | Expansion |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Expansion of Jayanthipuram Limestone
Mine (South Band) |
| 7. Name of Company/Organization | RAMCO CEMENTS ENVIRONMENT |
| 8. Location of Project | Andhra Pradesh |
| 9. TOR Date | 15 Nov 2006 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 26/10/2021

(e-signed)
DR. P.V.CHALAPATHI RAO
Member Secretary
SEIAA - (Andhra Pradesh)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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and Virtuous Environmental Single-Window Hub)





State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Ministry of Environment, Forests & Climate Change

Government of India

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada-520010.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/MIN/KRI/8/2019/1219/167.76&164.67

Dt.26.10.2021

Sub: SEIAA, A.P – 88.35 Ha of Expansion of Jayanthipuram Limestone Mine (South Band) of M/s.TheRamco Cements Limited (RCL) at Survey Nos. 39, 40, 41, 45, 46, 47/1, 47/2, 47/3, 47/4, 47/5, 48/1, 48/2, 48/3, 48/4, 49/1, 49/2, 49/3, 52, 53, 54, 55, 57, 58, 59/1, 59/2, 59/3, 59/4, 60/1, 60/2, 60/3, 63, 64, 65 & 72/1 of Jayanthipuram village, JaggayyapetMandal, Krishna District,Andhra Pradesh -Environmental Clearance–Issued - Reg.

This has reference to your application submitted through online on 19.05.2021 (SIA/AP/MIN/40832/2021), seeking Environmental Clearance for the proposed **0.990 Ha 88.35 Ha of Expansion of Jayanthipuram Limestone Mine** at Survey Nos. 39, 40, 41, 45, 46, 47/1, 47/2, 47/3, 47/4, 47/5, 48/1, 48/2, 48/3, 48/4, 49/1, 49/2, 49/3, 52, 53, 54, 55, 57, 58, 59/1, 59/2, 59/3, 59/4, 60/1, 60/2, 60/3, 63, 64, 65 & 72/1 of Jayanthipuram village, JaggayyapetMandal, Krishna District,Andhra Pradesh in favour of M/s.TheRamco Cements Limited (RCL). It was reported that the nearest human habitation viz., from the mine lease area. It was noted that the capital investment of the project is Rs.4.0 crores (For Explanation) and capacity of the project is as follows:

Mining of Lime Stone from 0.5 MTPA to 1.75 MTPA in 88.35 Ha.

- II. As seen from the Mining plan approved by the competent Government Authority the following two aspects are noted.
- i. The location of the mine is as follows:

Sl.No	Latitude	Longitude
1	16° 51' 45.8" N	80° 06' 50.4" E
2	16° 51' 42.5" N	80° 06' 51.9" E
3	16° 51' 41.5" N	80° 06' 50.7" E
4	16° 51' 34.3" N	80° 06' 48.8" E
To		
6	16° 51' 16.9" N	80° 06' 17.0" E
7	16° 51' 19.0" N	80° 06' 18.3" E
8	16° 51' 21.0" N	80° 06' 19.4" E
9	16° 51' 23.4" N	80° 06' 20.4" E

- ii. It is an open cast semi-mechanized mine. The total mine lease area is **88.35 Ha**.

This proposal has been referred to SEAC, A.P along with all the documents submitted by the proponent for their appraisal and for their specific recommendations on EC aspect. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meeting held on **30.09.2021**. The proposed project is for Expansion of Jayanthipuram Limestone Mine (South Band) in an area of 88.35 Ha. with a proposed expansion of production quantity of **Captive Limestone Mine: Proposed Expansion of LIME STONE from 0.5 MTPA to 1.75 MTPA** with a condition that the total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan. The proposed project falls under Item No. 1(a) of the schedule of the EIA Notification 2006 and its amendments thereof - (i). Mining of minerals (& 100 ha of mining lease area in respect of non-coal mine lease). The representative of the project proponent and their consultant M/s. S.V. Enviro Labs Consultants., have attended the meeting. The project falls under B1 category as per the letter issued by ADMG. The project proponent and their Consultant, M/s. ABC Techno Labs India Private Limited have attended the meeting. The TOR with public hearing was issued on 15.11.2019. The Public hearing was conducted on 22.01.2021. The project proponent submitted the application with final EIA Report through online on 19.05.2021 for the Environmental Clearance (EC). The Committee noted this is an existing mine, EC obtained **Limestone -0.5 MTPA**. Now applied for expansion of production capacity of **Limestone -0.5 MTPA to 1.75 MTPA**. The Project Proponent submitted the EC Certified Compliance report obtained from MoEF&CC Regional Office, Chennai vide F.No. EP/12.1/537/AP/1338 dated 17.08.2018 was submitted. Further noted that the habitations Jayanthipuram village is about 50 meters from the mine lease area. The project proponent submitted the conceptual plan of the mine lease area duly demarcating the buffer zone of 200 meters from Jayanthipuram village. The Committee after examining the project proposals, presentations, MoEF&CC' Notifications & OMs and detailed deliberations, recommended for issue of **Environmental Clearance** to M/s. The Ramco Cements Limited (RCL) for expansion of production quantity – **Limestone -0.5 MTPA to 1.75 MTPA with life of mine is 24 years**, duly stipulating the condition that the project proponent shall not carry out any mining activity within 200 meters buffer zone in the mine lease area under any circumstances. The proponent volunteered to allocate sufficient funds for amenities to Oxygen Plant at Jayanthipuram Village as a part of Corporate Social Responsibility (CSR) activity. The committee in the appraisal report clearly stated that they have approved the approved Mining Plan, Form-I/II, PFR/DPR and EMP for compliance by the proponent. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on **11.10.2021** examined the proposal and the recommendations of SEAC and decided to accept SEAC recommendations aforesaid for strict compliance by the proponent and to issue EC, with a special condition to take all necessary measures to control noise pollution and also shall implement proper safety measures in view of close proximity to habitation. The SEIAA, A.P hereby accords **Environmental Clearance to the project** as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following cluster, specific and general conditions:

Part A. Special Conditions:

- i. The proposal shall not attract the following acts & Rules:
 - a. Forest Act 1980,
 - b. Wild life (Protection) Act, 1972;

- c. CRZ Notification, 2011;
 - d. The Eco sensitive areas as notified under Environment (Protection) Act, 1986;
 - e. Critically polluted areas as notified by CPCB
- and also shall not harm live stocks and human beings and disturb their activities.
- ii. The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.
 - iii. The stipulating the condition that the project proponent shall not carryout any mining activity within 200 meters buffer zone in the mine lease area under any circumstances.
 - iv. The proponent volunteered to allocate sufficient funds for amenities to Oxygen Plant at Jayanthipuram Village as a part of Corporate Social Responsibility (CSR) activity.
 - v. The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.
 - vi. The avenue plantation (tall plants), of at least 1.5m height, for 1 km length of the approach road on either side of the road is to be developed and maintained. The entire plantation is to be completed in the first year itself.
 - vii. The proponent is advised to ensure safety to animal and public life.

Part B. Specific Conditions:

1) Air Pollution:-

- i. The proponent shall comply with the mining methodology mentioned in approved mining plan and Form1.
- ii. Greenbelt shall be developed along the boundary of mining lease area and also in back filled and reclaimed areas with tall growing native species in consultation with the local DFO/Agriculture Department. The proponent of mine shall carry mining operations in such a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.
- iii. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- iv. The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GoI on 16.11.2009.
- v. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
 - Roads shall be graded to mitigate the dust emission.
 - Regulatory Authority prior concurrence shall be taken for this activity.
 - Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress dust.

- vi. The following measures are to be implemented to reduce Noise pollution:-
- Proper and regular maintenance of vehicles and other equipment.
 - The proponent shall ensure that there shall be no excessive noise, while taking up mining activity.
 - Limiting time exposure of workers to excessive noise.
 - The workers employed shall be provided with protection equipment and earmuffs etc.
 - Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
- vii. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010; dt. 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs. Regulatory authority instructions be taken if there are any better alternatives.
- viii. The proponent shall not take-up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority.

2) Water Pollution:-

- i. As per records the source of water is Bore well. Total water requirement is 150 KLD, Out of that, 96.0 KLD is used for Dust suppression; 49.0 KLD is used for Development of green belt; 5.0 KLD is used for Domestic purpose.
- ii. Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.
- iii. Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern, Region, Hyderabad.
- iv. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regulatory Authority.
- v. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

3) Solid Waste :-

- i. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- ii. The following measures are to be adopted to control erosion of dumps:-
 - Retention/toe walls shall be provided at the foot of the dumps.
 - Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.
 - Regulatory Authority prior concurrence shall be taken for this activity.
- iii. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by APPCB. APPCB shall monitor this aspect at regular intervals to prevent any harm to life and the proponent on his part, shall ensure that this activity shall be taken up regularly under the guidance of Regulatory Authority, as decided by that Authority.
- iv. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.

Part C. General Conditions:

- i. This order is valid for a period of 20 years or the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.**
- ii. While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.O RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.
- iii. The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self government bodies (Gram panchayat/Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO. The APPCB to ensure the same while according CFE/CFO.
- iv. Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.
- v. In respect of government land for mining, the responsibility fixed on AD mines to check whether necessary clearances from revenue department are obtained.
- vi. In case of patta land while granting mine lease ADMG should verify the land lease documents.
- vii. In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the government of Andhra Pradesh.

- viii.** Any change in mining plan/ production/ mining methodology the proponent shall apply afresh EC.
- ix.** While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-1/EMP.
- x.** Once in an year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.
- xi.** “Consent for Establishment” & “Consent for Operation” shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act to carry on mining.
- xii.** No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MOEF&CC, GoI, New Delhi, as applicable.
- xiii.** The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.
- xiv.** Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1st December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533(E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)
- xv.** The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.
- xvi.** The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.
- xvii.** All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.
- xviii.** The Proponent shall follow G.O. Ms 107 dated 30.07.2016 of Industries & Commerce (Mines-II) Department wherever applicable.
- xix.** “Consent for Establishment” shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.

- xx.** Officials from the Regional Office of MOEF&CC, Chennai / The SEIAA, Andhra Pradesh through the Regional Offices of Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MOEF&CC, Vijayawada.
- xxi.** Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- xxii.** Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- xxiii.** Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- xxiv.** The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
- xxv.** Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- xxvi.** A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xxvii.** The funds earmarked for environmental protection measures (**Capital cost Rs.27.5 Lakhs and Recurring cost Rs.22.0 Lakhs /annum**) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Vijayawada.
- xxviii.** At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017- IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Vijayawada.

- xxix.** The project proponent shall submit the copies of the environmental clearance 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.
- xxx.** The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.
- xxxi.** The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxxii.** The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.
- xxxiii.** 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.
- xxxiv.** Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxxv.** The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxxvi.** SEIAA also reserves the right to cancel the EC issued at anytime, if EC has been obtained by the proponent through suppression of any information or furnishing false information.

xxxvii. 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.

Sd/-	Sd/-	Sd/-
MEMBER SECRETARY,	MEMBER,	CHAIRMAN,
SEIAA, A.P.	SEIAA, A.P.	SEIAA, A.P.

To

The Ramco Cements Limited,
KSR Nagar, Jaggayyapet Mandal,
Krishna District, Andhra Pradesh-521457,
Ph:9000504383.

Copy to:

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: **Krishna**, APPCB for information.
4. The Regional Officer, MOEF&CC, GOI, Vijayawada. for kind information.
5. The Secretary, MOEF&CC, GOI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GOI, New Delhi for kind information.
7. The District Collector, **Krishna** District, Andhra Pradesh for kind information.



Signature Not Verified

Digitally signed by DR.
P.V.CHALAPATHI RAO
Member Secretary

Date: 10/26/2021 12:59:44 PM