



सत्यमेव जयते

Validity expires on 21.11.2022

## ***Proceedings of the State Environment Impact Assessment Authority Kerala***

*Present: Prof. (Dr.) K.P. Joy, Member (in chair) and Sri. P.K. Mohanty IAS, Member Secretary*

Sub: SEIAA Kerala - Quarry project in Survey Nos. 436/1, 443/1, 443/1-3, 446/3, 446/3-1, 446/4, 447/1, 447/1-2, 447/1-3 and 448//2 at Kottangal Village, Mallapally Taluk, Pathanamthitta District, Kerala by M/s Amity Rocks Products (P) Ltd. – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

### ***Environmental Clearance***

No. 98/SEIAA/KL/1387/2013

*dated, Thiruvananthapuram 22.11.2013*

### **ORDER**

Mr. Abraham K. Thomas, Director, M/s Amity Rocks Products (P) Ltd. vide his application received on 22-05-2013 has applied for obtaining Environmental Clearance under EIA Notification dated 14-09-2006 for the quarry project in Survey Nos. 436/1, 443/1, 443/1-3, 446/3, 446/3-1, 446/4, 447/1, 447/1-2, 447/1-3 and 448//2 at Kottangal Village, Mallapally Taluk, Pathanamthitta District, Kerala. The land use classification as per revenue record is private patta land. Forest land is not involved in the project. It is interalia, noted that the project comes under the Category B2, Activity 1(a), (i) of Schedule of EIA Notification 2006. The proposed project site falls within 9°26'39.65" N to 9°26'59.20" N and 76°45'20.80" E to 76°45'32.23" E. The proposed project is for quarrying of 6,06,000 TPA of granite from an area of 8.7663 hectares of land. The expected life of mine will be 9 years.

The proposal has been appraised by the State Level Expert Appraisal Committee Kerala constituted by the competent authority, as per prescribed procedure in the lights of provisions under the EIA Notification 2006 and subsequent amendments, in its 16<sup>th</sup> meeting held on 31<sup>st</sup> May and 1<sup>st</sup> June 2013 and in its 20<sup>th</sup> meeting held on 5<sup>th</sup> October 2013 AND on the basis of the supporting documents enclosed with the application viz., the Form – 1, questionnaire for mining projects, pre-feasibility report, Environment Management Plan and the additional clarifications furnished in response to the observations, the SEAC Kerala recommended environmental clearance to the project.

Maximum 20 % of the worked out pit is proposed for water pond and part of the pit will be restored by filling. Boundary will be protected by barbed wire fencing. The mine area will be reclaimed and plantation will be carried out in phased manner. The proposed project does not involve any underground mining activities. The mining will be done by open cast mechanized bench system. The bench height and width is maintained as 5 m. The ultimate depth of the working mine is estimated to be 130 m MSL. About 10,000 tons of top soil will be generated from this quarry which will be used for plantation purpose. Since the entire area is more or less covered by charnockite/granite, overburden

generated from the quarry is weathered charnockite. Drinking water will be met through an open well existing at the adjoining property belonging to the project proponent. Water from two rain water harvesting cum silt arresting pond will be utilized for dust suppression. Dust generated during transportation, loading, unloading, etc. will be taken care of by water sprinkling on the haulage routes, asphaltting/compacting the internal roads and transporting the raw materials and finished goods in closed vehicles. Hazardous materials like spent oil, old batteries are being disposed off as per the existing rules & guidelines of Hazardous Waste (Management & Handling) Rules, 1989 and 2003 and are being sent to stores for disposal through authorized agents. The sewage generated from the domestic activity will be disposed through septic tank and soak pit. Solid waste will be utilized for levelling/paving and filling of low lying areas mainly in civil construction works. The power source to crusher unit, workshops, office building and canteen will be supplied by KSEB. 630 KV will be required to run the quarry operation. The total cost of the project is Rs. 5.80 Crores.

The SEIAA considered the proposal in its 23<sup>rd</sup> meeting held on 31<sup>st</sup> October 2013 and in its 24<sup>th</sup> meeting held on 22<sup>nd</sup> November 2013. The SEIAA, after due consideration of the relevant documents and additional clarifications submitted by the project proponent, and in view of the recommendations of SEAC, approved for issuance of Environmental Clearance for the project mentioned above at its 24<sup>th</sup> meeting held on 22<sup>nd</sup> November 2013. Accordingly, the State Level Environment Impact Assessment Authority (SEIAA) Kerala constituted by Govt. of India vide Notification No. S.O. 2484(E) dt. 3-11-2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the quarry in Survey Nos. 436/1, 443/1, 443/1-3, 446/3, 446/3-1, 446/4, 447/1, 447/1-2, 447/1-3 and 448//2 at Kottangal Village, Mallapally Taluk, Pathanamthitta District, Kerala by M/s Amity Rocks Products (P) Ltd. as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent amendments and also under the provisions made in the O.M. No. L-11011/47/2011-IA.II(M) dated 18<sup>th</sup> May 2012 of the Ministry of Environment and Forests, Government of India, and further subject to strict compliance of the following specific conditions, and the general conditions contained in the Annexure, which shall also form a part of this document.

1. 100 m set back should be made from the forest boundary.
2. Additional chamber to be provided in the lowermost portion to clarify the turbid water before it is let into the stream.

Compliance of the above conditions will be monitored by the Directorate of the Department of Environment and Climate Change, Government of Kerala or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Government of India located at Bangalore. Necessary support for entry and inspection should be provided by the project proponent to the staff of the Directorate and Ministry for monitoring purposes. In case of non-compliance of conditions, noted, if any, the Director, Department of Environment and Climate Change shall report the matter to the District Collector concerned to take necessary action under Environment Protection Act 1986.

**The given address of correspondence of the Authorized Signatory of the project is:-** Mr. Abraham K. Thomas, Director, M/s Amity Rocks Products (P) Ltd., IX/376, Thottathumkuzhy, Chungappara

P.O., Pathanamthitta District, Kerala- 686547; Telephone No: 0469-2697070; Mobile No: 9447025207; Fax: 0469-2697070; E mail: amityrockproducts@gmail.com

**Agency with NABET accreditation for EIA is:-** M/s Metamorphosis, #143, 2<sup>nd</sup> Floor, 39<sup>th</sup> Main, 4<sup>th</sup> Cross, Behind Silk Board, BTM Layout 2<sup>nd</sup> Stage, Bengaluru - 560068; Tel. No. +9180 26783006; Mob. No. +91 9845027475; Fax No: +9180 26783006; Email: shanth@rhetamorphosis-india.com

The validity of EC is for a period of 9 years.

**Sd/-**

P. K. Mohanty IAS  
Member Secretary, SEIAA  
and Addl. Chief Secretary to Government  
Environment, Forest & Wildlife Departments

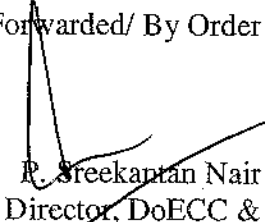
To

Mr. Abraham K. Thomas  
Director  
M/s Amity Rocks Products (P) Ltd.  
IX/376, Thottathumkuzhy  
Chungappara P.O.  
Pathanamthitta District, Kerala- 686547

Copy to :

1. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi – 110003
2. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block Koramangala, Bangalore-560034
3. The Addl. Chief Secretary to Government, Environment Dept., Government of Kerala
4. The Principal Secretary to Government, Local Self Government Department
5. The District Collector concerned
6. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm – 24.
7. The Director, Mining and Geology Department, Government of Kerala
8. Chairman and Members of SEIAA Kerala
9. Chairman, SEAC Kerala
10. Website uploading
- ✓ 11. Stock file

Forwarded/ By Order

  
P. Sreekanth Nair  
Director, DoECC &  
Secretary SEAC Kerala

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA**  
**GENERAL CONDITIONS** (for mining projects)

- (i) Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization wherever possible.
- (v) Sprinklers shall be installed and used in the project site to contain dust emissions.
- (vi) Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
- (vii) At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumpings and overburden and planted with indigenous plant species that are eco-friendly.
- (viii) Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented in tune with the conditions specified in the Companies Act, 2013.
- (ix) Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that falling of animals/human/belongings/dumping of garbages etc. does not happen.
- (x) Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
- (xi) Control measures on noise and vibration prescribed by KSPCB should be implemented.
- (xii) Quarrying activities should be limited to day time as per KSPCB guidelines.
- (xiii) Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
- (xiv) A licensed person should supervise/ control the blasting operations.
- (xv) Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
- (xvi) Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.
- (xvii) Height of benches should not exceed 5 m and width should not be less than 5 m.
- (xviii) Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
- (xix) Mining depth should not exceed beyond 40 m, unless otherwise specified or not below the level of nearest stream bed, whichever is less.
- (xx) No mining operations should be carried out at places having a slope greater than 45°.
- (xxi) Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
- (xxii) The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
- (xxiii) Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
- (xxiv) The transportation of minerals should be done in covered trucks to contain dust emissions.
- (xxv) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (xxvi) Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
- (xxvii) Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.

- (xxviii) Norms of Kerala State Pollution Control Board should be adhered to regarding distance criteria of residences, roads, rivers and worship places.
- (xxix) 200 m buffer distance should be maintained from forest boundaries.
- (xxx) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.
- (xxxi) All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xxxii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xxxiii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xxxiv) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- (xxv) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at [www.seiaakerala.org](http://www.seiaakerala.org). The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
- (xxxvi) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
- (xxxvii) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data **(both in hard copies as well as by e-mail)** and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxxviii) The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.
- (xxxix) The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.

Sd/-

Member Secretary, SEIAA Kerala