



Proceedings of the State Environment Impact Assessment Authority Kerala

Present: Dr. A.E. Muthunayagam, Chairman; Prof. (Dr.) K.P. Joy, Member; Sri. James Varghese IAS, Member Secretary

Sub: SEIAA Kerala - Proposed quarry project in Survey no. 351/1 at Manakkad Village, Thodupuzha Taluk, Idukki District, Kerala by M/s United Granites and Metals - Environmental Clearance under EIA Notification 2006 accorded - Orders issued

Environmental clearance

No. 36/SEIAA/KL/6091/2012

dated, Thiruvananthapuram 14-11-2012

ORDER

The Sole Proprietor of M/s United Granites and Metals, vide their application dated 06-09-2012 has sought environmental clearance under the EIA Notification, 2006 for the quarry project at Manakkad Village, Thodupuzha Taluk, Idukki District, Kerala. 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, in its 8th meeting held on 26th September 2012 and also in the 9th meeting held on 3rd November, 2012 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.

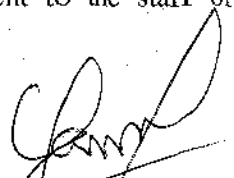
It is interalia, noted that the project comes under the Category B, Activity 1(a) of Schedule of EIA Notification 2006. The proposed project is for quarrying of 2,65,000 TPA of building granite stone from an area of 4.2321 hectare of land. The expected life of mine will be 10 years. The proposed project activity involves about 70% of the pit area for exploring granite building stone. At the end of life of mine, the excavated pit will be utilized as water storage/ ground water recharge and will be utilized for domestic/agricultural purposes. The mining will be done by open cast semi mechanised method of mining. The bench height and width is 10 m. Shovel dumper combination is used for mucking, loading and hauling to the disposal points. The ultimate depth of the mine workings is estimated to be 50 m RL. About 52,094 m³ of top soil is estimated from the proposed mine, which shall be dumped separately at pre-determined place and subsequently, will be utilized in spreading over reclaimed areas for plantation. The sewage of 2 KLD generated from the toilets/mine office will be diverted to the septic tank followed by soak pit. About 40 trucks/ trips of 20 T capacity will be utilised for transporting the mineral on daily basis. The daily water requirement of 4 KLD will be met from storm water / bore well. There will be fugitive emissions generated during material handling, transportation, loading, unloading, etc. that are proposed to be managed by regular water sprinkling on haul road, green belt development and avoiding overloading of vehicles. The mineral produced from the proposed mine will be sent to the crusher plant for crushing it to the required size before dispatching it to end use.

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 11th meeting held on 16th November 2012. 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 above project 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-1101 1/47/2011-IA..II(M) dated 18th May 2012 of the Ministry of Environment and Forests, Government of India, and further subject to strict compliance of the following specific conditions, and also the general conditions contained in the Annexure, which shall also form a part of this document.

1. Assurance in the form of affidavit to be given to SEIAA Kerala that the overburden thickness shall be managed within the site and the old quarries shall be reclaimed and restored appropriately.
2. Assurance in the form of affidavit to be given to SEIAA Kerala that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
3. Specific methodology adopted for drilling and blasting including the technical details regarding the geometry of drill holes to be provided to SEIAA Kerala before initiating activities.
4. Garland drains to be provided in the lower slopes around the core area to channelise storm water.
5. Debris/ silt traps to be provided to prevent entry of dust and quarry wastes into the main streams.
6. Dust and sound level should be as per the prescribed standards applicable to the area.
7. The conditions of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters.

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.


James Varghese IAS
Member Secretary, SEIAA
and Principal Secretary to Government
Environment Department

To

Mr. George Kochuparambil
Sole Proprietor
M/s United Granites & Metals
Vazhichala P. O., Thodupuzha
Idukki, Kerala
Pin - 685583.

Copy to :

1. The Principal Secretary, Environment Dept., Government of Kerala, Secretariat
2. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm - 24.
3. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
4. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034
5. Chairman and Members of SEIAA Kerala
6. Chairman, SEAC Kerala
7. Website uploading
8. ☒ Stock file

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

GENERAL CONDITIONS

- (i) Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
- (ii) Environment Monitoring Cell 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.
- (iv) The project may incorporate devices for solar energy generation and utilization wherever possible.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (vi) 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vii) All other statutory clearances shall be obtained, as applicable, by project proponents from the respective competent authorities.
- (viii) 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.
- (ix) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which 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. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the office of this Authority as confirmation.
- (x) 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 clearance letter shall also be put on the website of the company by the proponent.
- (xi) The proponent shall submit six monthly 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.

- (xii) The proponent should provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.

Sd/-
Member Secretary, SEIAA Kerala