



Validity expires on 23.01.2023

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 Sy. No. 70/1 at Kolayad Village and Panchayath, Thalassery Taluk, Kannur District, Kerala by M/s Malabar Construction Materials (P) Ltd. – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

Environmental Clearance

No. 101/SEIAA/KL/1606/2013

dated, Thiruvananthapuram 12.02.2014

Read:- SEIAA Kerala Minutes of the 26th meeting dt. 24-01-2014

ORDER

Mr. M. M. Thomas, Managing Director, M/s Malabar Construction Materials (P) Ltd., vide his application received on 10-06-2013, has sought Environmental Clearance under EIA Notification, 2006 for a quarry project in Sy. No. 70/1 at Kolayad Village and Panchayath, Thalassery Taluk, Kannur District, Kerala for an area of 4.8523 hectares. The proposed quarry site is private land and the land is possessed in the name of M/s Malabar Construction Materials (P) Ltd. Out of the total 10.50 hectares of land owned by the proponent, the lease area consists of 4.8523 hectares. Forest land is not involved in the project. It is interalia, noted that the project comes under Category B2, Activity 1(a), (i) of Schedule of EIA Notification 2006. The proposed project site falls within 11°51'30.31" N to 11°51'42.99" and 75°40'21.74" E to 75°40'33.90". The proposed project is for excavating 2,91,000 MTA of building stone from an area 4.8523 hectares of land. The expected life of mine will be 9.21 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 17th meeting held on 6th July 2013, 19th meeting held on 9th and 10th September 2013, 21st meeting held on 4th November 2013 and 23rd meeting held on 6th and 7th January 2014 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.

The proposed project activity involves about 90 % of the pit area for exploring building stone. At the end of life of mine, excavated pit will be 4.3723 hectares, in which 3.8423 hectares will be backfilled and reclaimed and rehabilitated by plantation and partly 0.53 hectare will be used as a water reservoir. The proposed project does not involve any underground mining activities. The mining will be done by open cast semi mechanized method. The bench height and width proposed is 5 m. The exploitation of mineral is being done from 200 m to 115 m MSL in conceptual phase. The ultimate depth of mine

workings is estimated to be 1.15 m MSL. Part of the proposed land is already under mining and there is no top soil in those areas. The remaining land is having top soil and overburden with average thickness of 1.5 to 2 m. About 19,862 m³ of top soil will be generated from the proposed pit, which will be properly stacked within their own property but outside the proposed mine lease area and will be utilized for plantation over the reclaimed areas. About 15,890 m³ of overburden will be generated from the proposed pit, which will be properly stacked within their own property but outside the proposed mine lease area and will be utilized as a soil base for plantation over the reclaimed areas. The daily water requirement of 5 KLD will be met from existing open well and storm water collection pond. 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, avoiding overloading of vehicles, maintaining the speed of vehicles within prescribed limits and covering the load with tarpaulin sheets. The sewage of 0.8 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. The municipal solid waste generated from the labour quarter will be disposed. The total power requirement of 75 kW will be drawn from diesel engine. The total cost of the project is ₹ 1.0 Crore.

The SEIAA considered the proposal in its 24th meeting held on 22nd November 2013, 25th meeting held on 18th December 2013 and in its 26th meeting held on 24th January 2014. 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 26th meeting held on 24th January 2014. 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 project in Sy. No. 70/1 at Kolayad Village and Panchayath, Thalassery Taluk, Kannur District, Kerala by M/s Malabar Construction Materials (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 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 the general conditions contained in the Annexure, which shall also form a part of this document.

1. Fresh haulage lines should be laid from an alternate side and the quarry should be developed afresh abandoning the existing face.
2. Storm water from the quarry should be let out after desilting and clarification.
3. Fresh steep cutting with 50 m height, in precariously poised condition is seen at the working face. The quarrying activity in this sector should be stopped and entry to this area should be avoided.

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. M. M. Thomas, Managing Director, M/s Malabar Construction Materials (P) Ltd., Edayar, Kolayar, Kannur District, Kerala – 670650; Tel. No. 09747100956; 0490 – 22302441; Email: jesnadileep@gmail.com

Agency with NABET accreditation for EIA is:- M/s Enkay Enviro Services Pvt. Ltd., 24-B, Dadu Marg, Gopal Bari, Ajmer Road, Jaipur, Rajasthan-302001; Tel. No: 0141-4013996/4023996/4016996; Fax; 0141-4026996; Email: info@enkayenviro.com

The validity of EC is for a period of 9 years from 24-01-2014.

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

To

Mr. M. M. Thomas
Managing Director
M/s Malabar Construction Materials (P) Ltd.
Edayar, Kolayar
Kannur District, Kerala – 670650.

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, 4th 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

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 beings/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.