

Proceeding of the State Environmental Impact Assessment Authority Kerala-

(Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member, Dr. Nivedita P. Haran, Member Secretary & Additional Chief Secretary to Government (Environment Department))

Sub: SEIAA Kerala - Proposed Quarry project by M/s Valluvanad Quarries and Granites Pvt. Ltd., Ambalapara Village, Ottapalam Taluk, Palakkad District, Kerala - Environmental Clearance - Accorded

Environmental Clearance

No. 119/SEIAA/KL/2185/2013

dated, Thiruvananthapuram 05.12.2014

Ref:-

- 1) Application dated 29.07.2013 submitted by the Managing Director of Valluvanad Quarries and Granites Pvt. Ltd, Ambalapara Village, Ottapalam Taluk, Palakkad District, Kerala
- 2) Minutes of 19th meeting of SEAC held on 9th & 10th September 2013
- 3) Minutes of 25th meeting of SEAC held on 14th & 15th February 2014
- 4) Minutes of the 27th meeting of SEIAA held on 11.03.2014
- 5) Minutes of the 32nd meeting of SEAC held on 12th & 13th August
- 6) Minutes of the 34th meeting of SEIAA held on 24.10.2014

ORDER

1. Sri. Binil K John, Managing Director, Valluvanad Quarries and Granites Pvt. Ltd., Ambalapara Village, Ottapalam Taluk, Palakkad District, Kerala, vide his application received on 01.08.2013, has sought Environmental Clearance under EIA Notification, 2006 for the building stone quarry project in Sy. Nos. 306/5, 306/6, 330/2, 330/3 and 331/ at Ambalappara Village and Panchayath, Ottapalam Taluk, Palakkad District, Kerala for an area of 3.0340 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA-II(M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dt. 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

The basic information of the project is as follows.

Name of project		Building Stone Quarry of Valluvanad Quarries and Granites Pvt. Ltd.
Brief description of the project		Open cast mining
Category/Subcategory & Schedule		"B" Category, 1(a)
Location Sy no/ district, Taluk/ village etc.		Sy. Nos. 306/5, 306/6, 330/2, 330/3 and 331/1 at Ambalappara Village and Panchayath, Ottapalam Taluk, Palakkad District, Kerala
GPS co-ordinates		Longitude: E 76° 25' 39.19" E to 76° 25' 49.26" E Latitude: N 10° 48' 7.93" N to 10° 48' 14.25" N
for Mining projects	Extent of area (in hectares)	3.0340 hectares
	Minimum and maximum height of excavation (MSL)	Highest 120m MSL and Lowest 75m MSL
	Life of mine proposed	15 years

Ultimate depth of mining (in MSL)	75 m. MSL
Distance from the adjacent quarry	Quarry - Baijaj, Mulanjoor, 50 m. S
Capacity of production	1,80,000 MTA
Details of Project Cost	Rs. 9.0 Crores
CRZ recommendations	Not Applicable
Forest clearances	Not Applicable

ABOUT THE PROJECT

Environmental parameters	Mitigation Measures
WATER	
Water requirement & sources	The total water requirement is about 5 KLD (Domestic - 1 KLD, Dust suppression - 2 KLD & Plantation - 2 KLD). The source of water is from storm water pond / wells.
RWH units proposed	Yes, Rain water collection pond
Facilities for liquid waste treatment	Not applicable
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No impoundment, damming, culverting, realignment or other changes to the hydrology of surface water courses.
Does it have provisions for use of recycled water	No
LAND	
Proximity to forest lands	No
Access road to the site - Width & Condition	8m. tarred road
Storage of explosives / hazardous substances	Yes, Explosives will be stored as per Explosives Act/Rules.
Facility for solid waste mgmt	The municipal solid waste from the labour quarter will be suitably disposed.
Topographic features/ slope	The topography of the lease area is hilly area. The slope of the lease area are: Section 'A - A' = 5° Highest level = 120 west side Lowest level = 85 south east side

Top soil, overburden etc.	Top soil - 12,106 cu.m. Overburden - 6,053 cu.m.
AIR	
Air quality meeting requirements	Yes
Noise Level meeting requirements	Yes
Likely emissions affecting environment	Diesel engine emissions & emissions from movement of vehicles like dumpers, trucks, tankers etc. will also

		generate.
ENERGY		
Energy requirement		The total power requirement will be 75 kW, which will be drawn from diesel engine
Energy Sources		Not provided
BIODIVERSITY		
Presence of any endangered species or red listed category		No
Loss of native species and genetic diversity		Yes, For the quarrying activity all of native tree species, shrubs, herbs, climber etc. existing at site will be cleared.
SOCIAL ASPECTS		
Proximity to nearest habitation		102 m. , NW
GENERAL		
Litigation/court cases, if any, against the project (provide details)		Nil
Details of Authorised Signatory		Mr. Binil K. John, Managing Director Door No. x/230, Menachery Tower, M.C. road, Vengoo Angamaly, Ernakulam-683572.
Details of NABET approved EIA consultant organisation		M/s Enkay Enviro Services Pvt. Ltd. , 24-B, Dadu Marg, Gopal Bari, Ajmer Road, Jaipur, Rajasthan-302001. QCI List at Sr. No. = 47 as per NABET list of accredited consultant organizations, Rev. 11 on 5 August, 2013.

2. The application was considered in the 19th SEAC meeting as agenda item no. 19.11. The project proponent made a brief presentation of the proposal. The proposed project site falls within 10° 48' 7.93" N to 10° 48' 14.25" N and 76° 25' 39.19" E to 76° 25' 49.26" E and does not fall in ESZ-1. The Committee asked the proponent to provide revised geology of the site as the one provided is not site specific as it pertains to the entire Palakkad district. SEAC directed the proponent to provide green belt in eastern and northern side of the project site to contain dust emissions. The Committee found that the location of proposed crusher unit is not shown in the master plan provided and hence directed to provide a revised master plan incorporating the location of crusher unit along with details of the same.

Considering the above, the proposal was deferred for site visit and the proponent was directed to provide the following details for further appraisal of the proposal:

1. Revised site specific regional geology of the site.
2. Assurance in the form of affidavit that green belt shall be provided in the eastern and northern side of the project site to contain dust emissions.
3. Revised master plan of the project incorporating the location of crusher unit along with details of the same.
4. Revised resolution regarding the proof of authorized signatory incorporating the details of the project and clearly stating that the proponent is authorized to sign/make applications before SEIAA Kerala and to receive Environmental Clearance certificate on behalf of the firm concerned.
5. Details of proposed CSR activities linked with the present project specifically mentioning the institutions/areas to which the said activities are proposed to be extended.

To,

Mr. Binil K John,
Managing Director,
Valluvanad Quarries and Granites Pvt. Ltd.,
Door No. X/230,
Menachery Tower,
Vengoor, Angamaly,
Ernakulam - 683572.

Copy to:

1. The MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block
Koramangala, Bangalore-560034
2. The Addl. Chief Secretary to Government, Environment Dept., Government of Kerala
3. The District Collector, Palakkad
4. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm - 24.
5. The Director, Mining and Geology Department, Government of Kerala
6. The Secretary, Ambalapara Grama Panchayath, Ottapalam Taluk, Palakkad District
7. Chairman SEIAA Kerala
8. Website
9. Stock file
10. O/c

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

GENERAL CONDITIONS (for mining projects)

- (i) Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR / KPNR, unless otherwise specified.
- (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, including of approach road and internal roads.
- (iv) Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
- (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.
- (ix) *The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine.*
- (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) *Maximum depth of mining from general ground level at site shall not exceed 10m*
- (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 crusher, 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) *A minimum buffer distance of 200m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided*
- (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 be obtained before*

- initialing activity.
- (xxxi) All other statutory clearances should be 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 the 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.
- (xxxv) 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. 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. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.
- (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.
- (xl) The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project

Member Secretary, SEIAA Kerala

C.S. TALAMON

DIRECTOR

Department of Environment & Climate Change

Pattanamukku, Pottal

Thiruvananthapuram - 695 014

