

100-111216

dated. *Thiruvannamalai* 05.12.2013

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Journal of Management Education 30(6)

le Proprietor of M/s Excel
Kottayam District, Kerala,
otal Clearance under EIA
2, 13 pt, 11/3-1, 11/3, 11/1,
g in Village - Edakunnam,
an area of 4.1885 hectares.
e of EIA Notification 2006
I(M) dated 18th May 2012
ory B2 as per the O.M. No.
l Forests, since the area of

Name of project		Building Stone Quarry of Excel Granites	
Brief description of the project		Open cast mining	
Category/Subcategory & Schedule		B Category, I(a)	
Location: Sy. no./ district, Taluk/ village etc.		Sy. No. 13/2, 13 pt. 11/3-1, 11/3, 11/1, 11/1-1-1-1, 11/1-1-1, 11/1-1, 11/2, 12/2-11, 12/2, 12/1 and 11/1-1-1-2 falling in Village - Edakunnam, Panchayat - Parathodu, Taluk - Kanjirapally, District-Kottayam, Kerala	
GPS co-ordinates		Latitude (N)	09°35'29.51" to 09°35' 16.61"
		Longitude (E)	76°48'50.38" to 76°48'41.08"
for Mining projects	Extent of area (in hectares)	4.1885 ha.	
	Minimum and maximum height of excavation (MSL)	105 m. MSL and 135 m. MSL	
	Life of mine proposed	10 years	
	Ultimate depth of mining (in MSL)	105 m. MSL	
	Distance from the adjacent quarry	M/s Mount Valley Granites, Palappara ry, 9 km., E	

Capacity/production	25000 MT/yr
Security of Project site	2.10 Crores
CRS 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 / well.
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	10 m. tarred road, N E side
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' = 26° Section 'B - B' = 15° Highest level = 135 NW side Lowest level = 105 S side

Top soil, overburden etc.	Top soil - 15,486 cu.m Overburden - 30,973 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, tractors etc. will also generate.
ENERGY	
Energy requirement	The total power requirement will be 75 kW for compressors, which will be drawn from diesel engine.
Energy Sources	From diesel engine.
BIODIVERSITY	
Presence of any endangered	No

Soil and Environmental Impact Assessment	Yes. For quarrying activity all of native tree species, shrubs, fast climber etc existing at site will be cleared.
SOCIAL ASPECT	
Proximity to near habitation	1-1/2 within 500 M radius
CSR components suggested	Biodiversity Fund. As part of Access and Benefit Share (ABS), 1 percent annual profit of the firm would be given to Biodiversity Management Committee of the Panchayath through the concerned Grama Panchayath towards the restoration of biodiversity loss due to quarrying activities.
GENERAL	
Does it propose environment management plan	Yes
Does it have eco restoration programmes	Yes, The year wise programme of afforestation for the life of mine, about 3,500 trees will be planted. The main aim of the green belt development is to restore the ecosystem to its original form to a maximum possible extent by designing the green cover with the same native species.
Litigation/court cases, if any, against the project (provide details)	No
Details of Authorised Signatory	Sri. Sinil V. Mathew, Pazhuvathadam, Panathode (P.O), Kanjirappally - 686512
Details of NABET approved EI 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. = 46 as per NABET list of accredited consultant organizations, Rev. 14 on 5 th November, 2013.

The proposal was placed in the 22nd meeting of SEAC held on 7th December 2013 as item No. 22.07. The project proponent made a brief presentation of the proposal. The proposed project site falls within 9° 35' 16.61" N to 9° 35' 29.51" N and 76° 48' 41.08" E to 76° 48' 50.38" E. The Committee found that regarding proof of ownership of land, the proponent has provided consent from owners of other Sy. Nos. mentioned in the proposal other than that owned by him but consent from Shaji K.A, S/o Seythu Mohammed to conduct quarrying activities in Sy. No. 13/2 submitted by the proponent needs clarification since as per possession certificate, the said Sy. No. is owned by Shajimon, S/o Ismail. Hence the proponent was directed to provide valid proof regarding the real owner of Sy. No. 13/2 and his consent given to the proponent to conduct quarrying activities in the said survey number. The Committee also found that regarding the proof of authorized signatory, the proponent has provided affidavit declaring that he is the sole proprietor of M/s Excel Granites, but the proponent has not provided the Certificate of Incorporation of the firm to prove that he is the sole proprietor of the firm and is hence directed to provide the same. The proponent has also not provided the detailed break up of proposed CSR activities linked with the present project along with areas/institutions for which the same shall be extended and is hence directed to provide the same. Being an existing quarry, the Committee also wanted to ascertain the present working condition of the quarry.

Considering the above, the item is referred for site visit and also directing the proponent to submit following before SEAC for further consideration of the proposal:

1. Valid proof regarding the real owner of Sy. No. 13 and his consent given to the proponent to conduct quarrying activities in the said survey number.
2. Copy of Certificate of Incorporation of M/s Excel Grates.
3. Detailed split up of proposed CR activities linked with the present project along with the amount earmarked for each activity and the details of the areas/institutions to which the same shall be extended.

A subcommittee of SEAC inspected the site on 10th December 2013 and made the following observations:

The site is located on the western side of the road that connects Parathode and Pinnakkanad. The elevation ranges from 100 to 150 m AMSL with slope to north and south east. Rubber plantation is the dominant land use in the area. This is an existing quarry with steep old working faces and recent working faces provided with benches. The overburden thickness is limited to 1-2 m in the flat crestal portions while in the sloping areas it is much less. Charnockite with well developed shear planes exhibiting moderate to steep dips to the east, forms the dominant rock type. A crusher unit is seen adjacent to the quarry and is presently under upgradation. Settlement is not seen in close vicinity.

- The western boundary of the quarry is same as taluk boundary and hence a buffer distance of 15 m from the boundary may be maintained as No Development Zone. The boundary pillars should not be tampered.
- Storm water is being let out to the lower south eastern side. The water is slightly turbid. It needs to be clarified with definite arrangements like desilting tanks and clarifier before the water is let out.
- Dust control measures are to be followed as the premises present a dusty environment.
- Statutory buffer distance from the road to the quarry is to be maintained.
- RWH facility to be provided.
- Overburden to be stacked in designated places and to be provided with protective walls.

Subsequently, the proposal was placed in the 25th SEAC meeting held on 14th and 15th February 2014 as Item No. 25.43. In view of the site inspection conducted, information provided in the application and on verification of the clarifications provided by the proponent the proposal was recommended for Environmental Clearance under the usual General Conditions for mining projects and along with the following specific conditions:

1. A buffer distance of 15 m should be maintained from the Taluk boundary.
2. The boundary pillars should not be tampered.

Subsequently, the proposal was placed in the 27th SEAC meeting held on 11th March 2014 as Item No. KLA/27.27. The Authority wanted a map showing buffer distance of 15 m from the taluk boundary and also the boundary pillars. The proposal was returned to SEAC to examine all these in detail and report.

The proposal was placed in the 32nd SEAC meeting held on 12th & 13th August 2014 as Item No. 32.10. Recommended the proposal as per the following specific conditions in addition to the general conditions stipulated for mining projects:

1. A buffer distance of 15 m should be maintained from the Taluk boundary.

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Identify the proposal was placed in the 2nd DEAC meeting held on 11th March 2014 as item 17.27. The Authority would a map showing a buffer distance of 15 m from the actual boundary and the boundary plan in the proposal was returned to DEAC for examining all these in detail and report.

Subsequently, the proposal was placed in the 34th SETIAA meeting held on 24th October 2014 as item 11A/34.37 and deferred for the joint meeting of SETIAA and SEAC on 31.10.2014.

The proposal was placed in the 34th SEIAA meeting held on 31st October 2014 as Item No. KLA/34.37 and decided to grant E.C subject to the following additional general conditions; applicable for all mining projects.

The lease area shall be correctly and distinctly demarcated and fenced off with barbed wires to a minimum height of 4ft. all around, before starting mining.

Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry visible to the public.

A minimum buffer distance of 100m from the boundary to the nearest dwelling unit or other structures being any facilities for mining, is to be insisted without exception.

The above conditions shall prevail notwithstanding anything to the contrary, inconsistent or simplified with those in any other permit, licence or consent given by any other authority for the same project.

The following special conditions recommended by SEAC would also apply:
A buffer distance of 15m should be maintained from the Taluk boundary.

The boundary pillars should not be tampered with.

Authority approved the proposal for issue of Environmental Clearance subject to the general and special conditions as per the recommendations of SEAC.

Environmental Clearance under EIA notification 2006 is therefore, hereby accorded for the proposed quarry project of M/S Excel Granites - in Sy. Nos. 13/2, 13 pt, 11/3-1, 11/3, 11/1, 11/1-1-1-1, 11/1-1-1, 11/2, 12/2-11, 12/2, 12/1 and 11/1-1-1-2 falling in Village - Edakunnam, Panchayat - Kottayam, Taluk - Kottayam, District - Kottayam, subject to all the mining features, Environmental Management Plans as undertaken in the EMP (Para 4 pages 22-42 of report), submitted to SEIAA, which will form part of this proceedings as if incorporated herein, and the two additional specific conditions mentioned above and the review of general conditions on mining of minor minerals appended hereto:

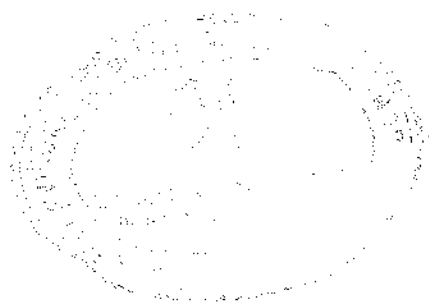
Validity of this Environmental clearance will be 5 years and it will be subject to review at any stage thereafter, if any of the conditions is the E.C. is violated, or not duly complied with.

I. Compliance of the conditions herein will be monitored by the Directorate of Environment and Climate Change or its agencies and also by the Regional office of the Ministry of Environment and Forests, Govt. of India, Bangalore.

ii. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.

Increased attention may shall be required to the District Collector, Kottayam to take
legal action under the Environment (Protection) Act 1986.

✓
A. Sini V. Mahew,
zhuvathedan,
rathodu P.O.,
kanjirapally,
kottayam District,
Kerala- 686512.



For Member Secretary (SEIAA)

✓
MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala,
Bangalore-560034

✓
The Addl. Chief Secretary to Government, Environment Dept, Government of Kerala

✓
The District Collector, Kottayam

✓
The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm - 24.

✓
The Director, Mining and Geology Department, Government of Kerala

✓
The Secretary, Parathodu Grama Panchayath, Kanjirapally Taluk, Kottayam District

✓
Chairman SEIAA Kerala

✓
Website

✓
Stock file

✓
O/c


GENERAL CONDITIONS: (for mining projects)

- (i) Rain Water Harvesting facility should be installed as per the prevailing provision of IMMP/ EPPR, 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 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) *A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided*
- (xxix) 200m 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 initiating activity.
- (xxxi) All other statutory clearances should be obtained, as applicable, by project proponents from the respective

competent authorities including the for bill and storage explosives.

- (xxvii) In the case of any change(s) in the scope of the project, the project proponent shall require a fresh approval by the Authority.
- (xxviii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and take action including revoking of the environmental 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.
- (xxix) 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.
- (xxx) 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.seiaa.kerala.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.
- (xxxi) 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.
- (xxxii) 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.
- (xxxiii) 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