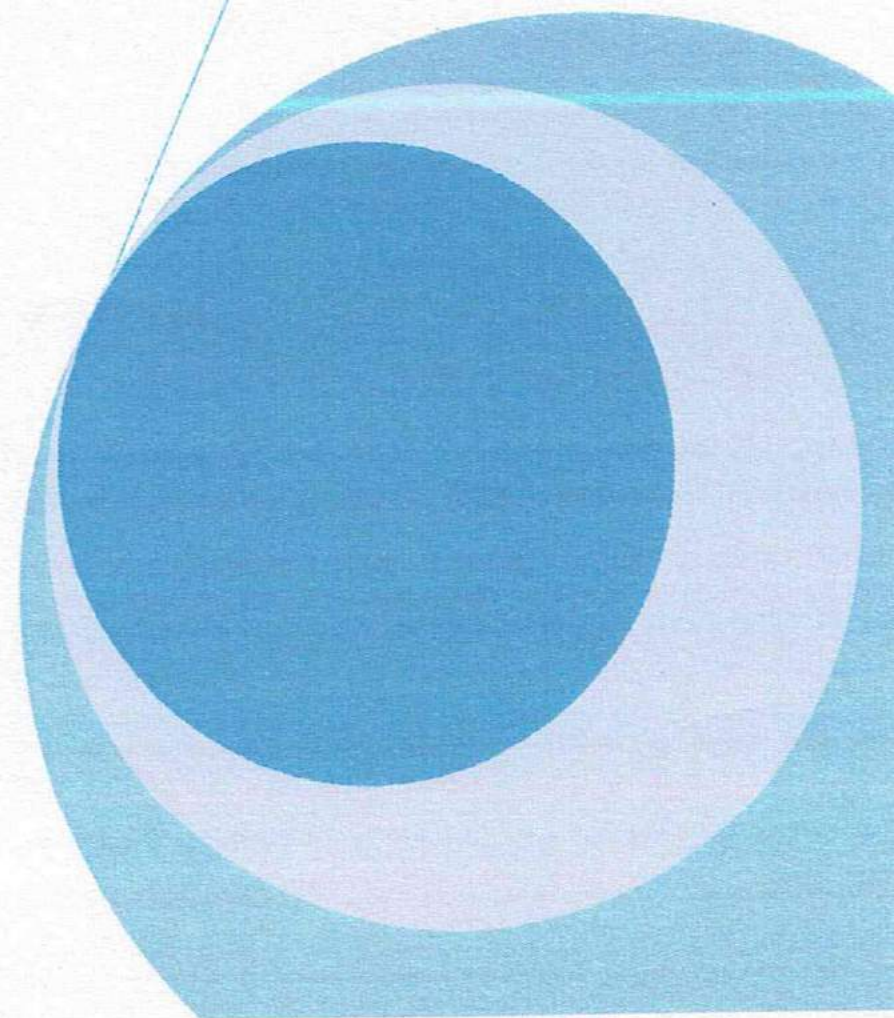


COMPLIANCE REPORT

October 2017 – March 2018

Quarry project of C G George
Kannur District
Kerala



Dt.09-01-2019

The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate Change,
4th Floor, E& F Wing, Kendriya Sadan,
Koramangala, Bangalore - 560034


Ref :- File No. 623/SEIAA/EC4/4806/2014

Sub :- Environment Clearance - Quarry project Kolavallur Village,
Kunnothuparamba Panchayat -, Thalassery Taluk - Kannur District -, Kerala. -
Compliance Report - Second half - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 4.0 Ha. by order No. 623/SEIAA/EC4/4806/2014 dated 01-06-2016 by State Environmental Impact Assessment Authority, Kerala. The compliance report of Second half (October 2017 - March 2018) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,
Yours respectfully,

For, 
Quarry project of C G George

Copy to:-
The Member Secretary
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala.

Encl: - As Above



M/s Quarry project of C G George.

Compliance report

**COMPLIANCE REPORT
TO
THE CONDITIONS
OF
ENVIRONMENTAL CLEARANCE ORDER
NO: 623/SEIAA/EC4/4806/2014
DATED: 01-06-2016**

**BY
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
FOR
BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT**

**AT
SURVEY NOS. 86/2, 87, 88/2, 88/1, 89/2B, 147/2 AND OTHERS
KOLAVALLUR VILLAGE, KUNNOTHUPARAMBA PANCHAYAT ,
THALASSERY TALUK,
KANNUR DISTRICT
KERALA**

**BY
M/s QUARRY PROJECT OF C G GEORGE
KANNUR DISTRICT
KERALA**

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INTRODUCTION

The quarry project of C G George is situated at Survey Nos. 86/2, 87, 88/2, 88/1, 89/2B, 147/2 and others Kolavallur Village, Kunnothuparamba Panchayat –, Thalassery Taluk - Kannur District –, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 01-06-2016. As part of general condition No.37 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of Second half to the specific conditions and general conditions of the Environmental Clearance order for the period October 2017 – March 2018 is being submitted.

M/s Quarry project of C G George.

Compliance report

October 2017 - March 2018

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

6 | October 2017 - March 2018

PART - A – SPECIFIC CONDITIONS

01	The drainage water should be collected after providing proper silt trap in pits	complied
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Compliance:

The storm water is channelized to a pond situated in the lower side of the project site. All sediments has been settling down at the bottom of the pond. Therefore only clear water is letting out from the project site.

02	To the extent possible local Bio Diversity Management Committee shall be Involved in the environmental management/ restoration activities	Being complied
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Compliance:

The project proponent approached the local self government to invite the local Bio Diversity management Committee, at present the committee is not in functional at the Gram Panchayat. However the project has been doing activities for the protection of environment in the project site.

03	Reclamation and eco-restoration should be done by planting native species	Being Complied
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Compliance:

The project has started to plant various local tree species inorder to reclamation and eco restoration process as per the direction of State Environment Impact Assessment Authority (SEIAA). The details are given in table No. 1.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

01	Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.	Complied
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Compliance:

Rain Water Harvesting ponds are important structure in the mining area. To utilize the rain water, this Rain Water Harvesting (RWH) structure is properly maintaining in the area. The storm water from all mining areas is properly channelized to this pond. It is situated in the lowest level of quarry area. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system.

02	Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional.	Complied
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Compliance:

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent has constituted an Environmental Monitoring Cell (EMC). The EMC meeting convenes regularly for a sustainable environment.

03	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.	complied
-----------	---	-----------------

Compliance:

As part of eco restoration and to prevent dust emission during transportation of materials, suitable avenue trees were planted along the road side and parking area. There are natural vegetation including trees, shrubs, herbs and climbers present either side of tarred road and in the parking areas. This will help to reduce air and sound pollution. The details of vegetation along the road side are given below in **table No.1**. The project is intending to plant more saplings beside the road.

Compliance report

Table 1 - Details of the natural vegetation existing along the road side

Sl. No.	Scientific Name	Common Name	Family	Type
1.	Artocarpus heterophyllus	Plavu	Moraceae	Tree
2.	Nerium oleander	Arali	Apocynaceae	Small tree
3.	Tectona grandis	Thekku	Verbenaceae	Tree
4.	Chromolaena odorata	Communist-pacha	Compositae	Shrub
5.	Mangifera indica	Mavu	Anacardiaceae	Tree
6.	Ziziphus oenopolia	Thodalli	Rhamnaceae	Climber
7.	Swietenia macrophylla	Mahagany	Meliaceae	Tree

04	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Will be Complied
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Compliance:

The installation of solar can reduce the consumption from conventional sources therefore the project is intending to use maximum renewable energy to reduce electrical consumption from KSEB. As part of this, the project proponent is yet to install a solar street light in the project site.

05	Sprinklers shall be installed and used in the project site to contain dust emissions.	Complied
-----------	---	-----------------

Compliance:

The emission of dust is a major adverse effect of a mining industry. To prevent dust emissions from the road while transportation of materials, the project is spraying water on roads by a vehicle. Water is splashing on site before blasting operation.

06	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	being complied
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Compliance report

Compliance:

The eco restoration plan prepared by the project will be executed in a good manner. The project started to plant various saplings in and around the project site. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal.

07	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 dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.	Will be complied
----	---	-------------------------

Compliance:

To conserve rain water, ten percent of the excavated pit area will be retained as water storage area. This will help to improve the ground water table. It is proposed to develop a vegetative cover in the remaining area with indigenous plant species after reclamation of the mined area with stacked top soil and overburden.

08	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Complied
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Compliance:

The project proponent has carrying out many activities for social integration and community development. The activities under Corporate Social Responsibility (CSR) activities are executed in the sector of Health, Housing. The project proponent is intending to carry out more activities under CSR for inclusive growth in the community.

09	The lease area shall be fenced off with barbed wires to a maximum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.	Being Complied
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Compliance report

Compliance:

As part of demarcation and enhance safety, the project proponent has erected barbed metal wire fencing around the mining area with height of 5 ft. This will help to prevent falling of animals/human being/dumping of garbage etc.

10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.	Complied
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Compliance:

To give warning to the labours and community prior to the blasting in quarry,, the project installed warning alarms in the quarry site. At present it is working properly.

11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Complied
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Compliance:

To reduce noise level in the project site, the project proponent has implemented mitigate masseurs. The major noise generating sources from the mining activity is working machineries, drilling, blasting and plying of vehicles. The following control measures are undertaken to bringing down the noise levels:-

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- The mining activity held in day time only.

Blast vibrations and control measures

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.

Compliance report

- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- ❖ The project proponent has appointed qualified persons to monitor the mining operations

12	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	complied
----	---	----------

Compliance:

To reduce the inconvenience of nearby houses and community Quarrying activities are limited to day time only as per KSPCB guidelines. The working time of the quarry is from 6.30am to 5.30 pm.

13	Blasting should be done in a controlled manner as specified by the regulations of explosives department or any other concerned agency.	Complied
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Compliance:

To reduce fly rock and ground vibration, the blasting is done in controlled manner by using ordinary delayed detonators. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency.

14	A licensed person should supervise/control the blasting operations.	Complied
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Compliance:

The project has appointed mines manager, who supervise/control the blasting operations for the exploitation of minor minerals from the project site.

15	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Complied
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Compliance:

One of the main sources of dust emission is roads. To reduce emission of dust, the access road from the entrance of project site to quarry is maintained well. The

Compliance report

project is spraying water on the road to arrest the dust during summer season. The project proponent is intending maintain access road to the quarry in good condition for dust emission and easiness of transportation of vehicles.

16	Overburden materials should be managed within the site and used for reclamation of mine pits as per mine closure plan/ specific conditions.	Being complied
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Compliance:

Overburden is an inevitable byproduct of building stone quarry. There is no old quarry in the site for restoration. The overburden materials are stored within the site at designated place. This will be used to restore the exploited area in future.

17	Height of the benches should not exceed 5m, and width should not be less than 5m, if there is no mention is the mining plan/specific conditions.	Complied
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Compliance:

All mining activities are progressing under the supervision of qualified personals. To enhance safety and to make environment friendly quarrying, the excavation activity in the project is progressing by creating benches of 5m width x 5m height.

18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Noted
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Compliance:

The project is using ordinary delayed detonator for blasting therefore there is no incident of fly rock is happened in the community. The project is also assuring the maximum PPV is under 10 during the time of blasting.

19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Will be complied
----	---	------------------

Compliance report

Compliance:

The depth of mining won't exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less. The exploration will be done as per the plan submitted before State Environment Impact Assessment Authority (SEIAA), Kerala.

20	No mining operations should be carried out at places having a slope greater than 45° .	Noted
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Compliance:

In the project site there is no area with slope greater than 45° . No mining operation is carried out with a slope greater than 45° .

21	Acoustic enclosures should be 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.	Being Complied
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Compliance:

To reduce the impact of sound to the labours in the mine, the project has provided ear plugs. All machines are new. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. At present, there is no crusher unit associated with the quarry.

22	The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc.	Complied
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Compliance:

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, gloves, etc. to ensure the safety of workers in working site.

23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Being Complied
----	---	----------------

Compliance:

The project proponent ensured that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent has initiated steps to create garland drains where it is necessary in the lower slopes of the project area for storm water management.

24	The transportation of minerals should be done in covered trucks to contain dust emissions.	complied
----	--	-----------------

Compliance:

To arrest the dust emission while transportation of materials, the project assures the trucks are covered before it leaving the project site.

25	The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.	Being complied
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Compliance:

As part of concurrent eco restoration, the project planted various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining.

26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	complied
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Compliance:

The project proponent is using the used oil as lubricant for machineries and other equipments. The spend oil will be sold only to the recyclers.

27	Explosives should be stored in magazines in isolated place specified and approved by the explosives department.	complied
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Compliance report

Compliance:

As per the stipulation of competent authority, the project has been storing the explosives in magazine. The magazine is situated in an isolated place specified and approved by the explosives department.

28	A minimum buffer distance of 100m meter from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	complied
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Compliance:

To prevent possible fly rock and vibration to nearby houses, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The distance of the nearest house is above 143 meter form the quarry, the KSPCB condition is 100 meter.

29	100 m buffer distance should be maintained from forest boundaries.	Complied
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Compliance:

The project has left more than 100 meters as buffer distance from the project site.

30	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	Complied
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Compliance:

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of "Consent to Operate" (Renewal) from Kerala State Pollution Control Board is provided.

31	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.	Complied
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Compliance:

The certificates obtained from other concerned statutory authorities are mentioned below:-

Table No.2 List of necessary Approvals

Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala
"Consent to Operate" (Renewal)	Kerala State Pollution Control Board
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
License for quarry operations	Gram Panchayath
Permit	Department of Mining and Geology, Ernakulam

32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	Will be complied
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Compliance:

There is no change in the scope of the project. At present the project is running as per plan submitted in Environmental Impact Assessment Authority, Govt. of India. The project will seek for a new Environmental clearance In the case of any change(s) in the scope of the project.

33	The Authority reserves the right to add additional safe guard 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	Noted
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Compliance report

	implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
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Compliance:

To enhance the safety and eco friendly mining, if the authority instructs to add additional safeguard measures subsequently, the project will be complied with.

34	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.	Noted
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Compliance:

The stipulated orders and directions under different act and notification including EIA notification will be scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below:

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009
- The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

35	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both 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	Complied
-----------	--	-----------------

Compliance report

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 the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.	
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Compliance:

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.6**. The details are given below in the table.

Table No. 3 Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	Deepika	Malayalam	26-June-2016
02	The Hindu	English	26-June-2016

36	A copy of the clearance letter shall be sent by the proponent to concerned Grama/District Panchayath / 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.	Complied
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Compliance:

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance letter to anyone. At present the project does not have a website this will be created soon.

Compliance report

37	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 State Environment Impact Assessment Authority (SEIAA) office.	Complied
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Compliance:

The compliance report is being submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore both in hard copy as well as mail.

38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft 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.	complied
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Compliance:

The details of the Environmental Clearance are displayed in the project site. The project proponent has placed the metallic board as specified in the conditions of Environmental Clearance order. The extent of lease area boundary will depict soon.

39	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.	Complied
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Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala.

Compliance report

40	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Noted
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Compliance:

At present, the project proponent is not intending to expand the area of mine, technology and scope of working. The project will appear SEIAA for Environment Clearance if the project wants to expand its scope. The mining is progressing as per submitted plan.

41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.	Noted
----	--	-------

Compliance:

The project will ensure that no natural runoff of storm water obstructed due to any mining operations. No stream is originating from the lease area. There is no such natural water course or thodu is flowing along the project site.

42	Monitoring of Ambient air Quality to be carried out based on the notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and un loading points & transfer point to reduce fugitive emissions.	Complied
----	--	----------

Compliance:

The monitoring of Ambient Air Quality is carried out based on the notification 2009. The project proponent has monitored the ambient air quality as per National Ambient Air quality Standard (NAAQS). The project is intending to increase the splashing of water and installed sprinklers at loading, unloading and transfer points. This activity can reduce the fugitive emission.

Compliance report

43	The top soil, if any, shall be temporarily stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The Over Burden (OB) generated during the mining operations shall be staked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Being complied
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Compliance:

In the project site in order to prevent the soil erosion, the top soil and overburden are stacked in a designated place within the project site. Only the topsoil will use for plantation purposes. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place.

44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.	Will be complied
----	---	-------------------------

Compliance:

The project proponent has initiated steps to construct effective garland drains to catch all the storm water during the time of monsoon season. These channels will be directed to the rain water collection pond. All sediments and silts will be settled at the bottom of the pond and only cleared water let out. The water from the pond can be used for splashing of water on roads to arrest the dust.

Compliance report

45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} , such as haul road, loading and unloading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters confirm to the norm prescribed by the Central Pollution Control Board in this regard.	complied
----	--	----------

Compliance:

To prevent dust emissions, the project proponent installed sprinklers in critical areas to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The water spraying has been carried out regularly to arrest the dust emission. The vehicle for water spraying will be properly maintained.

46	Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer point should be provided and properly maintained.	Being complied
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Compliance:

To reduce the dust emission in critical areas such as loading and unloading points, haul roads and transfer points the project proponent splashes water.

47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	Complied
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Compliance:

The main sound generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The level noise from all these activities will not go beyond 85dBA. The project proponent will take appropriate action to reduce the sound by employing possible measures. These are mentioned under the condition number 11.

Compliance report

48	A separate Environmental Management Cell with suitable qualified personal should be set up under the control of a senior executive, who will report directly to the Head of the Organization.	Complied
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Compliance:

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project will constitute an Environment Monitoring Cell. This cell will concurrently monitor and evaluate the safeguard measures implemented in the project site.

49	The funds earmarked for environmental protection and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact assessment authority (SEIAA) office.	being complied
----	--	----------------

Compliance:

The project proponent has initiated steps to keep funds earmarked for environmental protection and CSR in a separate account. This will help to execute more activities under Corporate Social Responsibility (CSR) for community development.

50	The Regional Office of MoEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional Office by furnishing the requisite data/information/monitoring reports.	Will be complied
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Compliance:

The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project will

Compliance report

Compliance:

As per the stipulation of competent authority, the project has been storing the explosives in magazine. The magazine is situated in an isolated place specified and approved by the explosives department.

28	A minimum buffer distance of 100m meter from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	complied
----	--	-----------------

Compliance:

To prevent possible fly rock and vibration to nearby houses, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The distance of the nearest house is above 143 meter form the quarry, the KSPCB condition is 100 meter.

29	100 m buffer distance should be maintained from forest boundaries.	Complied
----	--	-----------------

Compliance:

The project has left more than 100 meters as buffer distance from the project site.

30	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	Complied
----	--	-----------------

Compliance:

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of "Consent to Operate" (Renewal) from Kerala State Pollution Control Board is provided.

31	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.	Complied
----	---	-----------------

Compliance:

The certificates obtained from other concerned statutory authorities are mentioned below:-

Table No.2 List of necessary Approvals

Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala
"Consent to Operate" (Renewal)	Kerala State Pollution Control Board
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
License for quarry operations	Gram Panchayath
Permit	Department of Mining and Geology, Ernakulam

32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	Will be complied
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Compliance:

There is no change in the scope of the project. At present the project is running as per plan submitted in Environmental Impact Assessment Authority, Govt. of India. The project will seek for a new Environmental clearance In the case of any change(s) in the scope of the project.

33	The Authority reserves the right to add additional safe guard 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	Noted
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Compliance report

	implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
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Compliance:

To enhance the safety and eco friendly mining, if the authority instructs to add additional safeguard measures subsequently, the project will be complied with.

34	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.	Noted
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Compliance:

The stipulated orders and directions under different act and notification including EIA notification will be scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009
- The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

35	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both 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	Complied
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Compliance report

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 the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.	
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Compliance:

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.6**. The details are given below in the table.

Table No. 3 Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	Deepika	Malayalam	26-June-2016
02	The Hindu	English	26-June-2016

36	A copy of the clearance letter shall be sent by the proponent to concerned Grama/District Panchayath / 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.	Complied
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Compliance:

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance latter to anyone. At present the project does not have a website this will be created soon.

Compliance report

37	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 State Environment Impact Assessment Authority (SEIAA) office.	Complied
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Compliance:

The compliance report is being submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore both in hard copy as well as mail.

38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft 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.	complied
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Compliance:

The details of the Environmental Clearance are displayed in the project site. The project proponent has placed the metallic board as specified in the conditions of Environmental Clearance order. The extent of lease area boundary will depict soon.

39	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.	Complied
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Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala.

Compliance report

40	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Noted
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Compliance:

At present, the project proponent is not intending to expand the area of mine, technology and scope of working. The project will appear SEIAA for Environment Clearance if the project wants to expand its scope. The mining is progressing as per submitted plan.

41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.	Noted
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Compliance:

The project will ensure that no natural runoff of storm water obstructed due to any mining operations. No stream is originating from the lease area. There is no such natural water course or thodu is flowing along the project site.

42	Monitoring of Ambient air Quality to be carried out based on the notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Complied
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Compliance:

The monitoring of Ambient Air Quality is carried out based on the notification 2009. The project proponent has monitored the ambient air quality as per National Ambient Air quality Standard (NAAQS). The project is intending to increase the splashing of water and installed sprinklers at loading, unloading and transfer points. This activity can reduce the fugitive emission.

Compliance report

43	The top soil, if any, shall be temporarily stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The Over Burden (OB) generated during the mining operations shall be staked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Being complied
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Compliance:

In the project site in order to prevent the soil erosion, the top soil and overburden are stacked in a designated place within the project site. Only the topsoil will use for plantation purposes. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place.

44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.	Will be complied
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Compliance:

The project proponent has initiated steps to construct effective garland drains to catch all the storm water during the time of monsoon season. These channels will be directed to the rain water collection pond. All sediments and silts will be settled at the bottom of the pond and only cleared water let out. The water from the pond can be used for splashing of water on roads to arrest the dust.

Compliance report

45	Effective safeguard measures such as regular water sprinkling shall be carries out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} , such as haul road, loading an un loading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters confirm to the norm prescribed by the Central Pollution Control Board in this regard.	complied
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Compliance:

To prevent dust emissions, the project proponent installed sprinklers in critical areas to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The water spraying has been carried out regularly to arrest the dust emission. The vehicle for water spraying will be properly marinated.

46	Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer point should be provided and properly maintained.	Being complied
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Compliance:

To reduce the dust emission in critical areas such as loading and unloading points, haul roads and transfer points the project proponent splashes water.

47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	Complied
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Compliance:

The main sound generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The level noise from all these activities will not go beyond 85dBA. The project proponent will take appropriate action to reduce the sound by employing possible measures. These are mentioned under the condition number 11.

Compliance report

48	A separate Environmental Management Cell with suitable qualified personal should be set up under the control of a senior executive, who will report directly to the Head of the Organization.	Complied
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Compliance:

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project will constitute an Environment Monitoring Cell. This cell will concurrently monitor and evaluate the safeguard measures implemented in the project site.

49	The funds earmarked for environmental protection and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact assessment authority (SEIAA) office.	being complied
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Compliance:

The project proponent has initiated steps to keep funds earmarked for environmental protection and CSR in a separate account. This will help to execute more activities under Corporate Social Responsibility (CSR) for community development.

50	The Regional Office of MoEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional Office by furnishing the requisite data/information/monitoring reports.	Will be complied
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Compliance:

The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project will

Compliance report

extent all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for the same.

51	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green tribunal Act, 2010.	Noted
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52	Concealing the factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
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53	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Will be complied
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Compliance:

The project proponent has been implementing conditions stipulated in this Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

54	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Will be complied
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Compliance report

Compliance:

The project will give priority to the conditions stipulated in the Environment clearance Order.

55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Govt. of Kerala, whichever is earlier.	Noted
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56	The environmental clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	Noted
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57	The mining operation shall be restricted to above ground water table and is should not intersect ground water table.	Will be complied
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Compliance:

The project proponent is following approved mining plan for the extraction of building stones. The project will restrict its mining operations above the ground water table.

58	All vehicle used for transportation and within the mine shall have "PUC" certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	Will be complied
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Compliance:

As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring will be conducted only in authorized pollution checking center.

Compliance report

59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	Noted
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Compliance:

At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

60	Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly report to SEIAA.	Will be complied
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Compliance:

There is no stream or springs flowing in and around to the mine lease area. The project will install de siltation trap and other mechanism to prevent sediments and wastes from the mining area entering in to the public drainage system.

61	Occupational health surveillance programme of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	being complied
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Compliance:

The project proponent has initiated steps an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala government for the labours working in mining area.

M/s Quarry project of C G George.

Compliance report

ANNEXURE

29 | October 2017 – March 2018

Compliance report
Annexure No.1

FILE NO : PCB/RO/KNR/IC/114/2011

Date of issue : 23/11/2016



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. :3193189

Dated:18-06-2016

TO

M/s HOLY FAMILY STONE CRUSHER & HOLLOW BRICKS

CHERIKAL,

CHERUPARAMBA.P.O.,

PANOOR,

KANNUR DT - 670693

Consent No. :PCB/KNR/ICO/948/2016

Valid Upto :31/10/2019

**1. GENERAL**

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	VALIDITY	31/10/2019
2	Name and Address of the establishment	HOLY FAMILY STONE CRUSHER & HOLLOW BRICKS CHERIKAL, CHERUPARAMBA.P.O., PANOOR, KANNUR DT - 670693 670693
3	Communication	Telephone :9544400106-9447245485 Fax :- E-mail:h8panoor@gmail.com
4	Occupier Details	C.G. GEORGE, CHITTETH HOUSE, KOOTHUPARAMBA.P.O., KANNUR DT - 670643
5	Local Body	KUNNOTHPARAMBA PANCHAYATH
6	Survey Number	86/2,87,88/2,88/3,88/1,89/2B,147/2,139/1
7	Village	KOLAVALLUR
8	Taluk	THALASSERY
9	District	KANNUR
10	Capital Investment(Rs in Lakhs)	40
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	6560/-
	Total Fee remitted(Rs)	19680/-
14	RAW MATERIAL	PRODUCTS
	QUARRYING OF ROCKS IN 4.0 HECTARE IN SURVEY NO. 86/2,87,88/2,88/3,88/1,89/2B,147/2,139/1 OF KOLAVALLUR VILLAGE OF THALASSERY TALUK	QUARRYING OF ROCKS IN 4.0 HECTARE IN SURVEY NO. 86/2,87,88/2,88/3,88/1,89/2B,147/2,139/1 OF KOLAVALLUR VILLAGE OF THALASSERY TALUK
15	Total Power Required (HP)	NA



2. CONDITIONS AS PER**The Water(Prevention and Control of Pollution)Act, 1974**

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: -
- 2.3 Effluent generation: -
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

SL.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

- 2.5 Mode of disposal of treated effluent: -

3. CONDITIONS AS PER**The Air(Prevention and Control of Pollution)Act, 1981**

- 3.1 Adequate air pollution control measures shall be operational at all times during the functioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

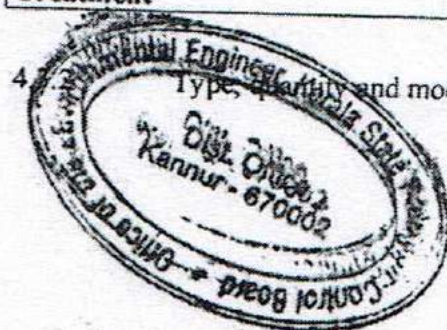
- 3.2 Emission characteristics shall not exceed the following:

SLNo.	Parameter	Limiting Standards (mg/Nm3)

4. CONDITIONS AS PER**The Environment (Protection) Act, 1986.**

- 4.1 The operation of the industry shall be strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.
- 4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001
- 4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	



- 4.3.2 Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows:

Sl.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
Mode of			
Storage		Disposal	

4.4 E-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2016.

5. SPECIFIC CONDITIONS

5.1 This Integrated Consent to Operate is granted subject to the power of the Board to review and make variation in all or any of the conditions laid hereunder.

5.2:- This integrated consent, unless withdrawn earlier and subject to condition No. 1.1 shall be valid up to 31/10/2019. In case the operation of the quarry is to be continued thereafter application for the renewal of the consent shall be submitted through Board's online web portal www.krocmms.nic.in before 31/07/2019

5.3 Any change in particulars furnished in the application and/or in the identity of the occupier/authorized agent is to be intimated to the Board forthwith.

5.4 The applicant shall comply with all instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.

5.5 The quarry should not be operated between 6.00 p.m. and 6.00 a.m.

5.6 The particulate matter (PM 10) at the boundary of the premise shall not exceed 100 $\mu\text{g}/\text{m}^3$

5.7 The PM2.5 in ambient air at the boundary shall not exceed 60 $\mu\text{g}/\text{m}^3$

5.8 There shall be a minimum distance of 100 m from the boundary of the quarry to the nearest residence, places of worship, railway line, bridge, river, lake, public building and road having public transport system.

5.9 The applicant shall put up a 6" x 4" signboard near entrance to the quarry for displaying the name of the quarry and owner, production details and time of the day when blasting is permitted to be undertaken.

5.10 Location of quarry shall be as per the drawing attached. No change or alteration to the above shall be made.

5.11 After completion of quarrying, the land may be used for rain water harvesting with protective barrier or for any other suitable approved purpose or may be reclaimed.

5.12 The operation of the unit shall be commenced only after obtaining clearance from all concerned authorities.

5.13 The consent issued from the Board will be valid only up to the period of validity of clearances from other concerned authorities. The consent is only with respect to the powers vested under the Water Act 1974, Air Act 1981 and Rules there under.

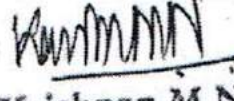
5.14 This consent is issued subjected to letter no. 10762/M3/2015 dated 5/11/15 of the Mining & Geology director expressing intent to issue quarrying lease.

DATE :23/11/2016

SIGNATURE & SEAL OF ISSUING AUTHORITY

To




Krishnan M.N
Environmental Engineer

Copy of Consent form PCB

Annexure No.2

Validity expires on 31-05-2021



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

Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member and Sri. P. Mara Pandiyan I.A.S
Member Secretary.

Sub: Environmental clearance for the building stone quarry project in Sy. No. 86/2,87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1 at Kolavallur Village, Kunnothparamba Grama Panchayat, Thalassery Taluk, Kannur District, Kerala by Sri. C.G. George- E.C Granted- Orders issued

State Environment Impact Assessment Authority, Kerala

No. 623/SEIAA/EC4/4806/2014

Dated: 01-06-2016

- Ref:
1. Application dated 29-9-2014 from Sri. C.G. George, Chittethu House, Kuthuparamba, Kannur, Kerala. 670643.
 2. Minutes of the 46th meeting of SEAC held on 29/30-9-2015.
 3. Minutes of the 52nd meeting of SEAC held on 8/9-2-2016.
 4. Minutes of the 51st meeting of SEIAA held on 29-3-2016.

ENVIRONMENTAL CLEARANCE NO. 75 / 2016

Sri. C.G. George, Co-Owner, Chittethu House, Kuthuparamba, Kannur District-670643 vide his application received on 10-10-2014 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project Sy. No. 86/2,87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1 at Kolavallur Village, Kunnothparamba Grama Panchayat, Thalassery Taluk, Kannur District for an area of 4.0 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50hectares) 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) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

The proposed project site falls within Latitude 11°46'48.36" to 11°46'37.93" N and Longitude 75°37'25.27" to 75°37'15.50" E. The land use classification as per revenue records is rocky area with private land. The current proposal is new and existing quarry with an area of 0.9186 ha and mineral specific hence no alternate site was examined. The total production will be 1,60,000 MTA. The topography of the lease area is hilly. Forest land is not

Page 1 of 6

involved in the project site. There are no underground mining activities. The mining will be done by open cast semi mechanized method.

BASIC INFORMATION OF THE PROJECT

Extent of area (in hectares)	4.0 ha.
Minimum and maximum height of excavation (MSL)	115 m MSL and 75 m. MSL
Life of mine proposed	13 Years
Ultimate depth of mining (in MSL)	70 m. MSL
Distance from the adjacent quarry	There are four quarries with short term permit for total an area of 0.194 ha. operating within 500 m. radius.
Capacity of production	1,60,000 MTA
Details of Project Cost	Rs. 4 Crores.
ABOUT THE PROJECT	
Environmental Parameters Considered	
WATER	
Water requirement & sources	The total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit and 3 KLD for plantation purposes and will be sourced from storm water pond.
RWH units proposed	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.
Water quality meeting requirements	Water quality to meet requirements after treatment of water (filtration, disinfection & sedimentation).
LAND	
Proximity to forest lands	Kannavam Reserve Forest, 5 km.
Is the land assigned for any other special purpose; Give details	No
Access road to the site -Width & Condition	7 m. wide, tarred road, NW
Storage of explosives /hazardous substances	Explosives will be stored as per Explosive Act / Rules.
Facility for solid waste management.	The municipal solid waste will be suitably disposed.
Topographic features/ slope	The topography of the lease area is hilly area covered with native tree, climbers, grass, shrubs, herbs etc. Slope = towards north west side.
Proneness of the area for landslides	No
Significant land disturbance resulting in erosion, subsidence & instability	No
Top soil, overburden etc.	Top soil = 14,000 cu.m. Overburden = 6,000 cu.m.
AIR	
Air quality meeting requirements	To meet requirements as per rules
Noise level meeting requirements	To meet requirements as per rules
Likely emissions affecting environment	Diesel engine emissions & emissions from movement of vehicles like dumpers, trucks, tankers etc. will also generate.

M/s Quarry project of C G George.

Compliance report

ENERGY			
Energy requirement	The total power requirement will be 75 kW for compressions, which will be drawn from diesel engine.		
Energy Sources	From diesel engine.		
Extent of usage of alternative energy resources	No		
BIODIVERSITY			
Presence of any endangered species or red listed category	No		
Loss of native species and genetic diversity	For the quarrying activity all of native tree species all of native tree species, shrubs, herbs, climbers etc. existing at project site will be cleared.		
Likely displacement of fauna	No		
Any introduction of alien / invasive species	No		
SOCIAL ASPECTS			
Proximity to nearest habitation	158 m. , NW		
CSR components suggested			
Sr. No	Description	Approx. Amount proposed	Remarks
1.	Education	Recurring = Rs. 11.66 lakhs Non-recurring = Rs. 9.10 lakhs	A detailed study on social status of the project site surroundings & need base study on proposed CSR activities were carried out.
2.	Health		
3.	Community development		
	Total		
GENERAL			
Eco restoration programmes	The year wise programme of afforestation for the life of mine, about 4,000 trees will be planted. The main aim of the green belt development is to restore the eco-system to its original form to a maximum extent by designing the green cover with the same native species.		
Sufficiency of parking spaces/ traffic management	Yes		
Litigation/court cases, if any, against the project (provide details)	Nil as declared		
Details of Authorised Signatory	Sri. C.G. George, Co-Owner, Chitteth House, Kuthuparamba, Kannur District-670643		
Details of NABET approved EIA consultant organization	M/s Environmental Engineers & Consultants Pvt. Ltd. (at Sr. No. 54 as per MoEF & CC list of Accredited Consultant Organization) Head Office :- A1-198, Janak Puri, New Delhi. Branch Office:- C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala.		

2. Since the tenure of the SEIAA, Kerala had expired, the proponent submitted another application to MoEF directly for getting EC. On constitution of the Authority, MoEF referred it to SEIAA as per letter No. Z-11013/24/2015-IA-II (M) dated 01-04-2015 without the corresponding physical files. The application received by SEIAA was placed before 46th meeting of SEAC held 29/09/2015. The Committee decided to defer the item for field visit by subcommittee concerned and for submission of mining plan by the proponent in accordance with the KMMC Rule 2015. The proponent has submitted revised Mining Plan as per KMMC Rule 2015. Field visit was conducted on 22/10/15. The site inspection details are given below:

"It is an existing stone quarry. There are 4 small quarries operating in the neighbouring area of different owners. The proposal is for an area of 4 ha out of the total area of 9.3212 ha. There is an active existing quarry within the area. Open cast semi mechanized method is practised. Benching is started. Fencing and warning boards are found. Vegetation is seen around the quarry which is having some endemic species which they agree to protect. No houses or settlements are noticed in the nearby area. In addition to the general conditions, the following specific condition should be applied. The drainage water should be collected after providing proper silt trap in pits."

3. Sri. Dineshan and Sri. P.K. Chathu filed a complaint against the functioning of quarry illegally in the land comprises Re.Sy.No.156 and 151/1 respectively of Puthur Village by Sri. C.G. George. The proposal was again placed in the 52nd meeting of SEAC held on 8th and 9th February 2016. The Committee observed that since the quarrying is still taking place there is a case of violation for which necessary proceedings shall be initiated. The subcommittee visited the site had recommended to provide suitable clarification pond before water is let out from quarry premises. After examining the Mining Plan, Prefeasibility Report, Field Inspection Report and all other documents submitted, the Committee decided to recommend issuance of EC on completion of action against violation subject to the following specific conditions in addition to general conditions for mining.

1. The drainage water should be collected after providing proper silt trap in pits.
2. To the extent possible local Biodiversity Management Committee shall be involved in the environmental management/restoration activities.
3. Reclamation and eco-restoration should be done by planting native species.

As regards the complaints referred by Sri. Dineshan and P.K. Chathu against functioning of the quarry, the Committee found that the allegations are related the land survey number 151/1 and 156 of Puthur village and hence the committee was of the opinion that the complaint is not relevant and deserves no considerations.

4. The Authority considered the recommendations of SEAC in the 51st meeting held on 29-3-2016. Violation proceedings is recommended because 'quarrying is still taking place'. As regards the question of violation, quarries were brought under E.C regime only after 27.02.2012, consequent on order of Supreme Court in Deepak Kumar's case. Even therefore

Compliance report

iii) The given address for correspondence with the authorized signatory of the project
Sri. C.G. George, Co-Owner, Chitteth House, Kuthuparamba, Kannur District-
670643.

Sd/-
P.MARA PANDIYAN.I.A.S,
Member Secretary (SEIAA)
&
Additional Chief Secretary
Environment & Forests Department.
Government of Kerala.

To,

✓ Sri. C.G. George,
Co-Owner, Chitteth House,
Kuthuparamba,
Kannur District-670643

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala.
3. Director, Mining & Geology, Thiruvananthapuram -4.
4. District Collector, Kannur
5. Secretary, Kunnothparamaba Grama Panchayat, Porat P.O., Kannur-670693.
6. Chairman, SEIAA.
7. Website.
8. S/f
9. O/c

Forwarded/ By Order



Administrator,
SEIAA



STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

GENERAL CONDITIONS (for mining projects)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
3. 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.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
7. 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 dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C.
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
9. **The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.**
10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/ control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
17. Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention is the mining plan/specific condition.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maximum depth of mining from general ground level at site shall not exceed 10m
20. No mining operations should be carried out at places having a slope greater than 45°.
21. 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.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
24. The transportation of minerals should be done in covered trucks to contain dust emissions.
25. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
28. 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.
29. 100 m buffer distance should be maintained from forest boundaries.

30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
31. 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.
32. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
33. 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.
34. 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.
35. 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 State Environment Impact Assessment Authority (SEIAA) office 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.
36. 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.
37. 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 State Environment Impact Assessment Authority (SEIAA) office.
38. 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
39. 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.
40. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.
41. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
42. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.
43. The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
44. Catch drains and siltation ponds of appropriate size shall be constructed around the mine

Compliance report

- working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
45. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul Road, loading and unloading points and transfer points – it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
 46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
 47. Measures should be taken for control of noise levels below 85 dBA in the work environment.
 48. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
 49. The funds earmarked for environmental protection measures and CSR activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.
 50. The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
 51. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
 52. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 53. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
 54. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.
 55. This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.
 56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
 57. The mining operation shall be restricted to above ground water table and it should not intersect ground water table.
 58. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area'
 59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
 60. Regular monitoring of flow rates and water quality up stream and down stream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.
 61. Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.



[Signature]
for Member Secretary, SEIAA Kerala
G. RAJEEV
Administrator
State Environment Impact Assessment Authority
Pallimukku, Pettah
Thiruvananthapuram-695024
Phone: 0471-2742264

Copy of Environmental Clearance

Amedment Covering Letter

Page 1 of 2



भारत सरकार | Government of India
 वाणिज्य और उद्योग विभाग | Ministry of Commerce & Industry
 पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पिसो) | Petroleum & Explosives Safety Organisation (PESO)
 पूर्व नाम - विस्फोटक विभाग | Formerly - Department of Explosives
 A और D - विंग, ब्लॉक 1-8, दूसरा तल, शास्त्री भवन | A & D - Wing, Block 1-8, 2nd Floor, Shastri Bhavan
 26 हददोस रोड, नुंगम्बक्कम चेन्नई 600006
 फोन (Phone):- 28281023 | फैक्स (Fax):- 28284848

संख्या (No.): E/SC/KL/22/746(E32353)

दिनांक (Date): 22/12/2017

प्रेषण में | To,

Sri C.G.George,
 Chittath House, Kuthuparamba post, Town Village - Kuthuparamba
 District-KANNUR, State-Kerala, Pincode - 670643

विषय:

Survey No(s).88/1, उपर Kolavallur, Thalassery Tk., जिला KANNUR, राज्य Kerala में मेसर्स श्री C.G.George द्वारा विस्फोटक के निगमों में उपयोग के लिए कक्षा के विस्फोटक विनियम, 2008 के अंतर्गत LE-3 में जारी अनुमति नं E/SC/KL/22/746(E32353) के संशोधन प्रस्ताव है।
 (विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject:

Possession for Use of Explosives from magazine situated at Survey No(s).88/1, Kolavallur, Thalassery Tk., Dist. KANNUR, Kerala - Licence No.: E/SC/KL/22/746(E32353) granted in Form LE-3 of Explosives Rules, 2008 -
 (Amendment of Quantity of Explosives/Monthly Purchase Limit).

प्रतिप्रेष | Sir,

आपका प्रेषण दिनांक पर पर संख्या NIL, दिनांक 21/12/2017 का संदर्भ प्रदान की।
 Please refer to your letter no. NIL, dated 21/12/2017.

अनुमति संख्या E/SC/KL/22/746(E32353) विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन के संदर्भ में यहाँ प्रेषित कर भेजी जा रही है।
 The Licence No.: E/SC/KL/22/746(E32353) is forwarded herewith duly amended in respect of following:

Quantity of Explosives/Monthly Purchase Limit

किसी भी एक समय में अनुमति अंतर्गत विनियमित की मात्रा का अधिक नहीं होगा।
 The licence capacity at any one time shall not exceed the kinds and quantities mentioned below:

संख्या No	विस्फोटक Explosive(s)	कक्षा Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	युनिट Unit
1	Nitrate Mixture	2	0	0	150	Kg.
2	Safety Fuse	6	1	0	2000	Mtrs
3	Electric Detonators	6	3	0	2500	Nos.
4	Ordinary Detonator	6	3	0	5000	Nos.

किसी एक कैलेंडर मास में खरीदने वाले विस्फोटक की मात्रा (अनुबंध 3 (ब) और (ग) के अंतर्गत अनुमति के लिए मांग) : 26 गुना
 Quantity of explosives to be purchased in a calendar month [applicable for licence under article 3(b) and (c)] : 26 times as above.

यह अनुमति दिनांक 31 मार्च 2019 तक प्रवृत्त होगी।
 This Licence shall remain valid till 31st day of March 2019.

आपके खाते में राशि 1840/- की राशि शेष है जो इस संदर्भ को प्रयुक्त करने के लिए भविष्य के संशोधन में साक्षात्कार की जा सकती है।
 An amount of Rs. 1840/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

अनुमति के पुनर्विचार (यदि आवश्यक हो) कृपया विस्फोटक विनियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें।
 For further revalidation (if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

आपका विश्वासपूर्वक

(डा. अशोक कुमार यादव | Dr. Ashok Kumar Yadav)

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives



दक्षिण चक्र, चेन्नई | South Circle, Chennai

प्रतिप्रेष | Copy Forwarded to:

1. उप मुख्य विस्फोटक नियंत्रक, कोची
 The Dy. Chief Controller of Explosives, Kochi
2. डिस्ट्रिक्ट मैजिस्ट्रेट, KANNUR, Kerala with reference to his Noc No: D4.5631/2005 Dated: 18/10/2005
3. Superintendent of Police, KANNUR, Kerala.

<http://10.0.1.13/IntExp/AmdCoveringLetterHindi.asp?LetterGeneratedYN=Y>

12/22/2017

	
ലൈസൻസ് നമ്പർ	7/2017-18.
തീയതി	24/04/2017
<p>ഭരണാതപരവ്: ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും</p> <p>1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന</p> <p>ഡി & ഒ ലൈസൻസ്</p>	
ലൈസൻസിന്റെ പേരും മേൽവിലാസവും	സി.ജി. ജോർജ്ജ്, ചിറ്റാൻ പാമ്പ് മിഷൻ പാമ്പ് (PO)
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിയർ ക്വറി നടത്തുന്നതിന്
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	കൊല്ലം ജില്ലയിലെ സർവ്വേ നമ്പർ 88/1, 89/2B, 139/1, 147/2 താലൂക്ക് നമ്പർ 10
ലൈസൻസ് കാലയളവ്	01.04.2017 മുതൽ 31.03.2018 വരെ
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	1000 രൂപ
രസീത് നമ്പർ	11604107550 dt 28/02/2017
ലൈസൻസ് അനുവദിക്കുന്നതിനായി പാലക്കാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	<p>NO.609/2016 - 17/10762/m3/2015 dated 21/12/2016. Proceedings of the Director of mining and geology</p> <p>PCB/RO/KNR/IC/114/2011 dated 23/11/2016 Kerala State Pollution Control Board.</p> <p>NO/E&KL/22/746 [G32353] dt 23/08/2016 Petroleum and Explosives Safety Organisation</p> <p>No.623/SE/IAA/EC/4/4806/2014 dt 01/06/2016 Proceedings of the State Environment Impact Assessment Authority, Kerala.</p>
	
<p>പഞ്ചായത്ത് ഓഫീസ്, ഗ്രാമപഞ്ചായത്ത്</p> <p>പി. ഒ. തുറമുക്കം</p> <p>കല്ലട് 670 60</p>	

Panchayath License

Compliance report

Annexure No.5

PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY

Sub: Mining & Geology-Mines & Minerals - Minor Minerals – Granite Building Stone –
Quarrying lease to, Sri. C.G.George, Chitteth House, Koothuparamba. P.O, Kannur,
sanctioned- orders - issued.

- Ref: 1. Application dated 17/10/2015 from Sri.C.G.George, Chitteth House, Koothuparamba.
P.O, Kannur,
2. Letter No. DOC/M-5069/2015 dtd 19/10/15 from the Geologist, District
Office Kannur
4. Pro.Order.No.623/SEIAA/EC4/4806/2014 dtd 01/06/2016 of State Environment
Impact Assessment Authority, Thiruvananthapuram, Kerala
3. Kerala Minor Mineral Concession Rules, 2015.

No.609/2016-17/10762/M3/2015

Dated, Thiruvananthapuram, 21/12/2016

ORDER

A quarrying lease is granted to Sri. C.G.George, Chitteth House, Koothuparamba. P.O, Kannur, to quarry Granite (Building Stone) over an area of 3.4081 hectares of private land comprised in Re.Survey Nos 88/1, 89/2B, 147/2, 139/1 of Kolavallur Village Thalassery Taluk, Kannur District for 12 (Twelve) years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the Tahsildar Thalassery and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

1. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realizable under 29(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realizable under 29(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
5. The lessee shall also deposit an amount of Rs 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
8. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee. But the quantity of extraction is restricted to 160000 Metric Tons per year as applied.
9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable), Area of extraction permitted, explosives used (if any), etc.



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Compliance report

- (ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, 100 metres away by the side of the road leading to it.
10. The lessee should provide retention wall/barricade/fencing compound wall surrounding the quarry before the commencement of the quarrying operation for preventing accidents by falling of human being animals, vehicles and material into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.
11. The lessee should leave a distance of 7.5m from the adjacent boundary lands including government puramboke land while carrying out quarrying operations.
12. The lessee should not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by him.
15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
16. The lessee shall produce modified mining plan before three years from the date of execution of lease and progressive quarry Closure Plan before completion of five years of operation of the quarry.
17. The lessee shall produce a financial guarantee of Rs 1,00,000 (Rupees one lakh only) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by him, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
19. The lessee shall carryout mining operations as per the approved mining plan.
20. The lessee shall renew Environmental Clearance on or before 31.05.2021 for the operation of the quarry for the remaining period.
21. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.

The terms and conditions stated in this order will be subjected to such further modifications as may be made by the State Government from time to time.

sd/-
T.K. Ramakrishnan
DIRECTOR OF MINING & GEOLOGY (I/c)

To
✓ Sri. C.G.George,
Chitteth House,
Koothuparamba. P.O, Kannur

Copy to:

1. The Director of Mines Safety,
No.5, 100FT,Road,17th Main, Koramangala 4th Block
Bengaluru, Karataka - 560034
2. The District Collector, Kannur
3. The Geologist, District Office, Kannur
4. The Tahsildar, Talassery
5. Stock File (2), File Copy

(BY ORDER)

21/12/2016
SENIOR SUPERINTENDENT



Copy of Permit

കോട്ടിസ്

പൊതുജന ശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, കണ്ണൂർ ജില്ല, തലശ്ശേരി താലൂക്ക്, കൊളവല്ലൂർ വില്ലേജിലും, കുത്തുപറമ്പ് പഞ്ചായത്തിലുംപ്പെട്ട സർവ്വേ നമ്പർ 86/2, 87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1-ൽ ചാറ ഖനനം ചെയ്യുന്നതിനുവേണ്ട പരിസ്ഥിതികാനൂണ്ടി (ശ്രീ. സി.ജി. ജോർജ്ജ്-ന് കേരള സംസ്ഥാന പരിസ്ഥിതി ഇംപാക്ട് അസ്യൂസ്മെന്റ് അതോറിറ്റിയിൽ നിന്നും 623/SEIAA/EC4/4806/2014 തീയതി 01-6-2016 ഓർഡർ പ്രകാരം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് കേരള സംസ്ഥാന പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പിൽ ലഭ്യമാണ്. www.seiaakerala.org എന്ന വെബ് സൈറ്റിൽ കൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

C1605-316407

26/6/16 RD

tasks were in demand among children. — PHOTO: K. K. MUSTAFAH

NOTICE

This is to inform to the General Public that the proposed quarry project in Survey Nos. 86/2, 87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1 at Kolavallur Village, Kuthuparamba Grama Panchayat, Thalassery Taluk, Kannur District, Kerala being developed by Mr. C.G. GEORGE is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 623/SEIAA/EC4/4806/2014 Dt. 01-06-2016 and the copy of the Environmental Clearance is available with the office of Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org

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