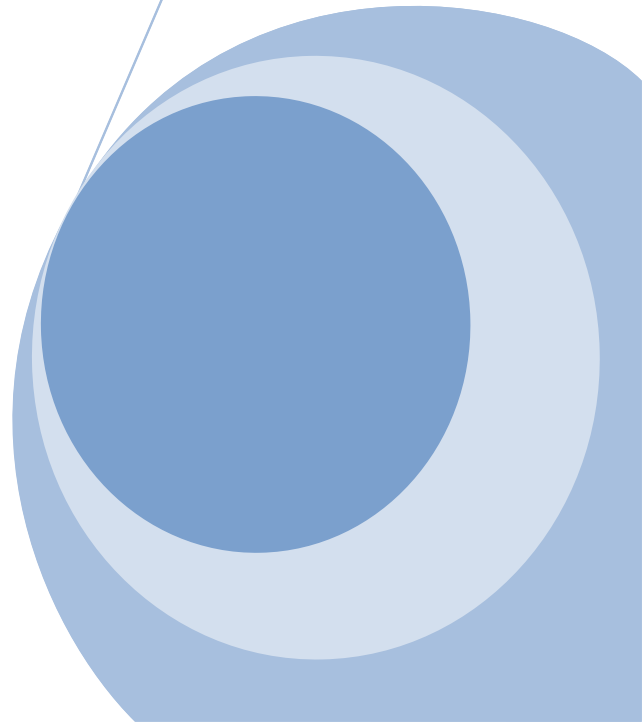


COMPLIANCE REPORT

April 2018 – September 2018

M/s Wayanad Granites
Wayanad District
Kerala



WAYANAD GRANITES

Pinangode PO, Vengappally, Wayanad - 673121

Ph: 04936 204211 GSTIN: 32AABFW3070F1ZK

Dt.19-02-2019

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. 1132/EC/SEIAA/2017

Sub :- Environment Clearance – Quarry project at Vengappally village & Panchayath, Vythiri Taluk, Wayanad District, Kerala. – Compliance Report – First half - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 5.1625 Ha. by order No. 1132/EC/SEIAA/2017 dated 29-12-2017 by State Environmental Impact Assessment Authority, Kerala. The compliance report of First half (April 2018 to September 2018) to the specific and general conditions of the Environment Clearance order along with monitored data is enclosed.

Thanking you,

Yours respectfully,

For M/s Wayanad Granites

Mr. M.M Thomas
(Managing Partner)



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

Encl: - As Above

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 1132/EC/SEIAA/2017

Dated: 29.12.2017

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

**Survey No. 371/1, 371/2/1, 372/1, 372/4, 372/2 & 373/1 at
Vengappally village & Panchayath, Vythiri Taluk, Wayanad District,
Kerala**

BY

M/s. Wayanad Granites

Wayanad District

Kerala

M/s Wayanad Granites

Compliance report

INDEX

Sl. No.	Particulars	Page No.
1.	Introduction	05
2.	Compliance Report – Specific conditions – Part A	06
3.	Compliance Report – General conditions – Part B	08
4.	Annexure	29

LIST OF TABLES

Table No.	Particulars	Page No.
1.	Details of the CSR	11
2.	The details of statutory approvals	18

LIST OF ANNEXURES

Annexure No.	Particulars	Page No.
1.	Copy of consent to operate from SPCB	30
2.	Copy of EC order	35
3.	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	53
4.	Copy of License for quarry operations from Panchayath	56
5.	Copy of lease order from Dept. Mining and Geology.	57
6.	Copy of monitoring report of ambient air	58
7.	Copy of monitoring report of sound level.	59
8.	Copy of monitoring report of water	60

INTRODUCTION

The quarry project of **M/s Wayanad Granites** is situated at Survey No. 371/1, 371/2/1, 372/1, 372/4, 372/2 & 373/1 at Vengappally village & Panchayath, Vythiri Taluk, Wayanad District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 29.12.2017. 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 of **April 2018 - September 2018** is being submitted.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	If any rare, endemic and threatened plant species are noticed, they shall be properly protected insitu or transplanted to a suitable site inside the lease area.	Will be Complied
-----------	---	-------------------------

Compliance:

The project proponent had conducted a bio diversity study and submitted the report at State Environmental Impact Assessment Authority (SEIAA), Kerala. The identified species of endemic to Western Ghats will be properly protected. The saplings will transplant to appropriate location.

02	All condition suggested by the field inspection reports as noted above should be strictly implemented before starting mining.	Will be Complied
-----------	--	-------------------------

Compliance:

All the condition suggested by the field inspection reports as noted above will be strictly implemented before starting mining.

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.	Being Complied
-----------	--	-----------------------

Compliance:

Water is valuable natural resources; to conserve the rain water the project proponent has developing one rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The storm water flow is leading to the pond through drainage. The excess clear water is flowing to the public draining after proper filtration. Rain water is mainly used for gardening, wetting of roads, Washing of sand and splashing for contain dust emission.

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

Compliance:

The Environmental Monitoring Cell (EMC) has formed to evaluate and monitor specific and general conditions stipulated in the Environmental Clearance (EC) order.

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.	Being complied
-----------	--	-----------------------

Compliance:

Green belt is an important component in the mining sector. To reduce air and noise pollution, the project proponent has started to plant various avenue trees along either side of the road. There is also natural vegetation including trees, shrubs and climbers are presents in the sides of road and parking area.

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

Compliance:

The project has yet to install solar panels/solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB.

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

Compliance:

To contain dust emissions from the approach and mining area, the project proponent splashes water with the help of a vehicle. This will help to arrest the dust while the vehicles are moving and breaking of building stones. The sprinklers will be installed in the project site for suppression of dust.

06	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Noted
-----------	--	--------------

Compliance:

Eco restoration is in an integral part of mining activity. The eco restoration and the mine closure plan will be done at the own cost of the project proponent as per the approved mining plan. The project proponent has started to plant various saplings in the project site.

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:

After closure of the mine, the project proponent is intending to retain 10 percent of total excavated pit as rain water storage area. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan,

the project will plant indigenous plant species that are eco – friendly on the reclaimed area.

08	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	complied
-----------	--	-----------------

Compliance:

The project has carried out many activities under Corporate Social Responsibility (CSR); the main activities were in the sectors like education, health care, Environment sustainability etc. The detail of CSR provided in the period of First half is mentioned in the **Table No.1**. The details are given below in the table.

Table No.1 – Detail of performed activities under CSR

Sectors	Activities	Beneficiaries	Amount spent in Rs.
Health	Donation for Oxygen Cylinder Purchase	Dhaya Pain And Palliative (Oxygen Cylinder Purchase)	36,000
Infrastructure Development	Donation For House Construction	Usman	2,31,000
Social Justice	Donation	CMDRF	1,00,000
	Donation	Voluntary service in Connection with flood disaster	9,30,000
Environmental Protection		Reforestation Activities	15000
		Total	13,12,000

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
----	---	----------------

Compliance:

To demarcate the lease area, the project proponent has installed fencing around the area where Environmental Clearance and lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 5 ft.

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

Compliance:

As per the stipulation of Explosive department, the project has initiated steps to install warning alarms in the quarry site. This alarm can intimate the general public that the blasting is going to happen. .

11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Being complied
----	--	----------------

Compliance:

To reduce noise and vibration, the following measures are being adopted in the project site.

- 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., ear plugs are provided to workers working in high noise areas.
- The mining activity held in day time only.
- Noise level at quarry site checked periodically.

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

Compliance:

To reduce the adverse effect of Quarrying activities in the community, the mining activity is limited to day time only as per KSPCB guidelines.

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

Compliance:

The blasting is carrying out 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.	Will be complied
----	---	------------------

Compliance:

The project has appointed licensed person in the site to supervise/control exploitation of minor minerals including blasting at the project site.

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

Compliance:

To reduce emission of dust through the vehicle movement, the access road from the entrance of project site to quarry has tarred and maintaining in good manner. The project splashes water on the road to arrest the dust production 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
----	--	----------------

Compliance:

The overburden and topsoil need to extract during the time of mining, these natural resources are being staked in the project site. This will be used for plantation, haulage roads and land filling in the mining area. No overburden will let out from the project site.

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.	Being complied
----	--	----------------

Compliance:

The quarrying will be carried out as per mining plan. To enhance safety and conserve environment, the project is extracting the minerals by creating benches. The benches will not exceed 5 meters of height. The width of the bench will have minimum of 5 meters.

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

Compliance:

The project proponent is using ordinary/electric delayed detonator. The blasting will be under the supervision of qualified person. The new technology of delayed blasting can reduce the incident of fly rock. There is no accident due to fly rock reported in this mine, therefore mats are yet to use.

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

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 ⁰ .	Noted
----	--	-------

Compliance:

In the project site, there is no area with a slope greater than 45⁰. Therefore it is not necessary to explore from the slopes greater than 45⁰.

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.	complied
----	--	----------

Compliance:

To reduce the impact of sound to the labours in the unit, the project has provided ear plugs. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. The project is trying to enhance the vegetative cover by planting more tree saplings.

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

Compliance:

To ensure the safety of workers in working site, the project has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, glows, etc.

23	Garland drains with clarifiers to be provided in the lower slopes	Being
----	---	-------

	around the core area to channelize storm water.	Complied
--	--	-----------------

Compliance:

The project proponent will ensure that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent has started to create good drainages 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:

The project assure that the loaded trucks are covered with appropriate sheets to avoid dust emission from the vehicle while transportation of materials.

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
-----------	---	-----------------------

Compliance:

The project proponent has started to plant various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The project is planting more tree saplings in to the project site.

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

Compliance:

The spend oil will be sold only to the approved recyclers, some time it will be used as lubricant in the project site.

27	Explosives should be stored in magazines in isolated place specified and approved by the explosives department.	Complied
-----------	--	-----------------

Compliance:

Compliance report

As part of safety, Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine was fenced with barbed metal wire.

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 reduce the adverse impact on community life, 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 was 102 meter form the quarry, the KSPCB condition is 100 meter.

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

Compliance:

There is no forest near to the project site. The nearest forest is Chembara Forest which is 12 km away 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 in **Annexure No.1**.

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.	Being Complied
----	--	-----------------------

Compliance:

The certificates obtained from concerned statutory authorities are enclosed in Annexure No.1, 2, 3, 4 & 5

TABLE 1 – APPROVALS FROM COMPETENT AUTHORITIES

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
Lease order	Directorate of Mining and Geology

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
----	---	------------------

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	Noted
----	---	-------

	provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
--	---	--

Compliance:

The project is willing to add all possible additional safe guard measures subsequently if the authority found necessary.

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
-----------	--	--------------

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
- Central Ground Water Authority
- 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	Complied
-----------	--	-----------------

	<p>Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</p>	
--	---	--

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.

36	<p>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.</p>	Complied
----	---	----------

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.

37	<p>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</p>	complied
----	---	----------

	the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.	
--	--	--

Compliance:

The compliance report is being submitted to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore both in hard copy as well as mail. The monitored data of Air, Water and Noise is attached as **Annexure No. 6, 7 & 8**

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.	Being Complied
----	--	----------------

Compliance:

The details of the Environmental Clearance are being displayed on metallic board in the project site. The metallic board as specified in the conditions of Environmental Clearance order.

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
----	---	----------

Compliance:

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

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	Noted
----	---	-------

	approval of the SEIAA, as applicable.	
--	---------------------------------------	--

Compliance:

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.

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.	Being Complied
----	--	----------------

Compliance:

The Rain water harvesting pond in the site is working as clarifiers to prevent the quarry waste within the site. The project proponent will install additional clarifiers in the project site to prevent sediments and wastes from quarry site to enter in to the main stream. The project will constitute a Cell to monitor such commitments to the community.

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.	Noted
----	---	-------

Compliance:

The project proponent will monitor 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.

43	<p>The top soil, if any, shall be 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 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.</p>	Will be complied
----	--	------------------

Compliance:

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction of State Environment Impact Assessment Authority (SEIAA). The Environment Monitoring Cell will monitor the execution of eco restoration.

44	<p>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.</p>	Will be complied
----	--	------------------

Compliance:

The project proponent will construct effective garland drains to catch all the storm water during the time of monsoon season. These channels will direct the water to

the rain water collection pond. All sediments and silts will settle at the bottom of the pond and only cleared water is letting out.

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 PM₁₀ 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.	Will be complied
----	--	-------------------------

Compliance:

The project proponent will fix sprinklers in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The ambient air quality will be monitored with the help of an approved laboratory.

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.	Will be complied
----	---	-------------------------

Compliance:

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

47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	Being complied
----	---	-----------------------

Compliance:

The main sound generating activities 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.

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.	Being complied
----	--	-----------------------

Compliance:

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent has constituted an Environment Monitoring Cell.

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.	Will be complied
----	---	-------------------------

Compliance:

The project proponent could execute many activities under Corporate Social Responsibility (CSR) for community development. To implement these activities in a good manner, the project proponent will open an account for keeping the funds earmarked for environmental protection and CSR.

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
----	--	-------------------------

Compliance:

M/s Wayanad Granites

Compliance report

The project proponent will extend all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for.

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
-----------	---	--------------

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
-----------	---	--------------

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
-----------	---	-------------------------

Compliance:

The project proponent is willing to implement the conditions stipulated in the 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.	Noted
-----------	--	--------------

Compliance:

M/s Wayanad Granites

Compliance report

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

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
-----------	---	--------------

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
-----------	--	--------------

57	The mining operation shall be restricted to above ground water table and is should not intersect ground water table.	Will be complied
-----------	---	-------------------------

Compliance:

The project proponent 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
-----------	--	-------------------------

Compliance:

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

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
-----------	---	--------------

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.	Noted
----	---	-------

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 to the public drainage system.

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.	Will be complied
----	---	------------------

Compliance:


The project proponent will start an occupational health surveillance program for the labours working in mining area in association with Primary Health center.

ANNEXURE

M/s Wayanad Granites
Compliance report

Annexure No.1

FILE NO : PCB/WND/OCMMS/Jan/18
Date of issue : 30/01/2018



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. :6654279
Dated:19-01-2018

TO

M/s WAYANAD GRANITE QUARRY UNIT

M M Thomas,
Madathinamattathi(House),
Kannavam(PO),
Chittariparamba,
Kannur, Pin-670650

Consent No. :PCB/WND/ICO/333/2018
Valid Upto :28/12/2022

Page1

M/s Wayanad Granites

Compliance report

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	28/12/2022
2	Name and Address of the establishment	WAYANAD GRANITE QUARRY UNIT PINANGODE(PO), VENGAPALLY, KALPETTA 673121
3	Communication	Telephone :0-9048880990 Fax :- E-mail:wayanadgranites@gmail.com
4	Occupier Details	M M Thomas, Madathinamattathi(House), Kannavam(PO), Chittariparamba, Kannur, Pin-670650
5	Local Body	Vengapally
6	Survey Number	371/1,371/2/1,372/1,372/4,372/2,373/1
7	Village	Vengapally
8	Taluk	VAITHIRI
9	District	WAYANAD
10	Capital Investment(Rs in Lakhs)	65 Lakh
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	Rs.15000/-
	Total Fee remitted(Rs)	Rs.90000/-
14	RAW MATERIAL	PRODUCTS
		area of quarrying-8.028 Acre
15	Total Power Required (HP)	Nil

2. CONDITIONS AS PER

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

- 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: 500 L/day
- 2.3 Effluent generation: 400 L/day
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

SI.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:

SI.No.	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:

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

1. This consent is valid only for a period mentioned above or till all other statutory clearances and NOC from the District Collector are valid, whichever is lesser.
2. Any adverse order/ judgment passed by the Hon'ble Supreme Court, Hon'ble High Court, Hon'ble National Green Tribunal in the matter pertaining to rocks quarrying in Kerala state, will make this consent invalid.
3. Any adverse Government order passed in the matter of rock quarrying by the Central Government, State Government & Pollution Control Board, will make this consent invalid.
4. This Consent to Operate is issued only in accordance with norms and parameters of the Board as per the Air (Prevention & Control of Pollution) Act, 1981 and is not a permit / license to carry out mining operations/quarrying operation. Necessary permits / licenses for mining operation shall be obtained from competent authorities before starting operations
5. If required the consentee shall produce Environmental Clearance (EC) to the appropriate authorities.
6. It is the responsibility of occupier to ensure that quarrying activities are restricted to a distance more than 50 m from the nearby residences and public roads having vehicular traffic.
7. The sound level (Leq) at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjacent area.
8. The PM10 in the ambient air at the boundary shall not exceed 100 microgram /m3.
9. The PM2.5 in the ambient air at the boundary shall not exceed 600 microgram /m3.
10. proper fencing shall be maintained around the quarrying area.
11. Occupier should ensure that quarrying activities are carried out only in the specific area shown in the attached drawing.

DATE :30/01/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, WAYANAD



To

Stock file

1. This digitally signed document is legally valid as per the Information Technology Act 2000

2. For verifying this document please go to krocmmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

Page5

Copy of Consent form PCB

Annexure No.2



Validity expires on 28/12/2022

सत्यमेव जयते

Proceedings of the State Environment Impact Assessment Authority Kerala

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

Sub: SEIAA- Environmental Clearance for the quarry project of Mr.M.M Thomas, Managing Partner, M/s Wayanad Granites in Sy. Nos. 371/1, 371/2/1, 372/1, 372/4, 372/2, & 373/1 of Vengappally Village & Panchayat, Vythiri Taluk, Wayanad District, Kerala - granted – Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY, KERALA

No. 1132/EC/SEIAA/2017

Dated, Thiruvananthapuram 29/12/2017

- Ref:
1. Application dated 28.02.2017 from Mr.M.M.Thomas, Managing Partner, M/s.Wayanad Granites, Pinangode Post, Kalpetta, Wayanad District - 673 121
 2. Minutes of the 76th meeting of SEAC held on 25th & 26th July, 2017.
 3. Minutes of the 81st meeting of SEAC held on 30th & 31st October, 2017.
 4. Minutes of the 76th meeting of SEIAA held on 16th November 2017.
 5. Affidavit received on 4/12/2017 from Mr.M.M.Thomas, Managing Partner of M/s Wayanad Granites, Pinangode Post, Kalpetta, Wayanad – 673 121.

ENVIRONMENTAL CLEARANCE NO. 109 /2017

Mr.M.M Thomas, Managing Partner, M/s Wayanad Granites, Pinangode Post, Kalpetta, Wayanad, Kerala- 673 121 vide his application dated 28.02.2017 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Survey Nos. 371/1, 371/2/1, 372/1, 372/4, 372/2, & 373/1, at Vengappally Village, Vythiri Taluk, Wayanad District, Kerala for an area of 5.1625 Ha. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012 of Ministry of Environment and Forests. The project comes under Category B2 as per Notification


M/s Wayanad Granites

Compliance report

No.S.O.141 (E) dt.15.01.2016 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

Details of the project as furnished by the applicant are as follows:

**BASIC INFORMATION OF QUARRY
(To be filled in by the Project Proponent)
PART A**

PROJECT DETAILS	
File No.	1132/EC/SEIAA/KL/2017
Name /Title of the project	Building Stone Quarry (Minor Mineral) project of M/s Wayanad Granites
Name and address of project proponent.	Mr. M.M. Thomas, Managing Partner, M/s Wayanad Granites, Pinangode Post, Kalpetta, Wayanad, Kerala-673121. E-mail :- wayanadgranites@gmail.com
Owner of the land	Private own land
Survey No. District/ Taluk/ and Village etc.	Survey Nos. 371/1, 371/2/1, 372/1, 372/4, 372/2, & 373/1 of Vengappally Village & Panchayat, Vythiri Taluk, Wayanad District, Kerala
Category/Sub Category and Schedule	Category B / B2 & Schedule 1(a)
Details of period of lease or permit with number including the beginning and expiry date of lease /permit period (Copy to be attached)	Quarry not working 
Present Status of the project	Quarry not working
Date & Year of starting the work of the quarry project.	Quarry not working
Whether the	Quarry not working

M/s Wayanad Granites

Compliance report

quarry is working at present or not ?					
If stopped working since when?	Quarry not working				
Date of submission of Application	28/2/2017				
Brief description of the project.	<p>The building Stone Quarry (Minor Mineral) mining project of M/s Wayanad Granites is situated at Survey Nos. 371/1, 371/2/1, 372/1, 372/4, 372/2, & 373/1 of Vengappally Village & Panchayat, Vythiri Taluk, Wayanad District, Kerala in area of 5.1625 hectares.</p> <p>The land for the proposed quarry is a private owned land and the land is possessed in the name of M/s Wayanad Granites. The targeted production of mine will be 1,00,000 MTA. The estimated project cost will be about Rs. 3.35 Crores. The expected life of mine estimated will be about 11 years. The mining operation will be carried out by opencast semi-mechanized method as per the approved Mining Plan.</p>				
GPS Co-ordinate	<p>Latitude (N) = 11°36'51.91"N to 11°37'01.95"N</p> <p>Longitude(E) = 76°02'21.06"E to 76°02'31.71"E</p>				
Details of Authorized Signatory and address for correspondence	<p>Mr. M.M. Thomas, Managing Partner, M/s Wayanad Granites, Pinangode Post, Kalpetta, Wayanad, Kerala-673 121.</p> <p>E-mail :- wayanadgranites@gmail.com</p>				
LAND DETAILS					
Extent of area in hectares	5.1625 hectare				
Is the property forest land/ Govt. land/own land/patta land	Private own land				
Quantity of top soil/over burden produced and managed	<p>A total quantity of about 21,262 cu. m. of topsoil is proposed to be removed during the mining operations. The topsoil excavated from the quarry will be dumped / stacked separately at pre-determined place and subsequently will be utilized in spreading over reclaimed areas for plantation as part of eco-restoration.</p> <p>About 42,525 cu. m. of overburden (OB) will be generated throughout the mine life. This waste will be utilized within the pit for lying of haul roads. At the end use, OB can be reutilized as soil base for plantation.</p>				
Latitude and Longitude	<table border="1"> <tr> <td>Latitude (N)</td> <td>11°36'51.91"N to 11°37'01.95"N</td> </tr> <tr> <td>Longitude (E)</td> <td>76°02'21.06"E to 76°02'31.71"E</td> </tr> </table>	Latitude (N)	11°36'51.91"N to 11°37'01.95"N	Longitude (E)	76°02'21.06"E to 76°02'31.71"E
Latitude (N)	11°36'51.91"N to 11°37'01.95"N				
Longitude (E)	76°02'21.06"E to 76°02'31.71"E				
Topography of	Part of the proposed land is exposed rock and the remaining land is covered				

land and elevation	with native trees, shrubs, herbs, grass, climbers, bushes etc. The topography of the lease area is hilly. As the proposed area is hill rock, the drainage of the lease area is towards West. No habitants are located in the lease area.
Slope analysis	The slope is towards West side.
Will there be any significant land disturbance resulting in soil erosion, subsidence & natural drainage.	Due care will be taken to provide channel all around the foot of the hill to collect run off and also to avoid soil erosion.
Access road to the site width and condition	7m wide road
Will there be any adverse impact on the aesthetics of the proposal site	No, the land used will be fully reclaimed and rehabilitated by backfilling the pond and plantation. Plantation and afforestation will add to the improvement in environment and aesthetic beauty of the area.
MINING DETAILS	
Minimum and Maximum height of excavation.	The exploitation of mineral is being done from 800 m to 760m MSL in conceptual phase.
Life of mine proposed.	About 11 years
Underground mining if any proposed	No underground mining. The working will be carried out by opencast semi-mechanized method as per the approved Mining Plan.
Method of Mining	The working will be carried out by opencast semi-mechanized method as per the approved Mining Plan
Distance from the adjacent quarry	There is no quarry in operation within 500m radius.
Cluster condition if any	No cluster condition
Has "No cluster certificate" submitted?	Yes, cluster certificate is already submitted with Environment Clearance Application.
Distance from nearby habitation	About 102m towards North side
Distance from nearby forest, if applicable	Chembra Forest about 12 km, South
Distance from protected area, Wildlife	Malabar Wildlife Sanctuary about 8 km, SW

M/s Wayanad Granites

Compliance report

Sanctuary, National Park etc.	
Distance from nearby streams / rivers / National Highway and Roads	Kabini River about 4 km, W Puzhamudi about 2.50 km, E Banasur Dam about 12 km NW
Is ESA applicable? If so distance from ESA limit	Not in ESA
Has approved mining plan, prepared by RQP submitted?	Yes, the approved mining plan prepared by RQP is already submitted with E.C. Application.
Capacity of production in TPA	1,00,000 MTA
Details of mining process	The mining will be done by open cast semi-mechanized method of mining. The bench height and width will be maintained 5 m. Excavated material is transported to the crusher unit for further processing. The ultimate depth of the mine workings is estimated to reach up to 760m MSL
DETAILS OF PROJECT COST	
Land cost	Rs. 3.35 Crore (All inclusive)
Plant and Machinery	Rs. 3.35 Crore (All inclusive)
Total Cost	Rs. 3.35 Crore (All inclusive)
Financial Statement including funding source and details of insurance etc.	Project Cost = Rs. 3.35 Crore Insurance = Insurance to the quarry workers would provide through insurance company. Funding = Own source & bank loan
Environment Management Plan	<p>Air Pollution Mining activities will generate certain quantities of dust during drilling, blasting, loading and transportation operations. The following measures will be taken to mitigate the fugitive dust from different operations.</p> <ul style="list-style-type: none"> • Laying of haul road as per the standards, black topping of permanent haul road and service road to avoid or eliminate air – borne dust. • To avoid the dust generation from the drilling operations, wet drilling method will be adopted. • Drill machines will be equipped with dust collectors. • Use of appropriate explosives for blasting and avoiding overcharging of blast holes.

	<ul style="list-style-type: none"> Controlled blasting techniques will be adopted. Watering of haul road and other road at regular intervals. Provision of dust filters/ mask to workers working at highly dust prone and affected areas. Provision of green belt all along the periphery of the lease area. Periodical monitoring of ambient air quality in and around the lease area. <p>The extracted mineral will be transported from the quarry to the end user by adopting following measures so as to minimize dust emissions.</p> <ul style="list-style-type: none"> In case of long transportation the trucks after loading will be covered with tarpaulin sheets. Speed of the vehicles will be maintained within the prescribed limits. Trucks will not be over loaded and will be maintained to the body level
Water Pollution	Provision of storm water collection pond with an appropriate capacity. The water requirement for sprinkling on sources of dust emission, on roads, landscaping etc. Can be met from the stored rainwater in the pond.
Noise	<p>The major noise generating source from the proposed activity is working machinery, drilling, blasting and plying of vehicles. The following control measures are to be undertaken to bring down the noise levels:-</p> <ul style="list-style-type: none"> Proper maintenance of machinery, equipments and improvement on design of machines. Use of personal protective devices i.e., earmuffs and earplugs by workers, who are working in high noise generating areas. Creation of wide green belt of dense foliage between mine areas and residential colonies. Proper training to personnel to create awareness about adverse noise level effects. Planned noise monitoring at suitable locations in the plant and outside location for proper effective remedial actions.
Solid Waste Management	<p>Topsoil Management</p> <p>The topsoil excavated from the quarry will be dumped / stacked separately at pre-determined place and subsequently will be utilized in spreading over reclaimed areas for plantation as part of eco-restoration. Precautions will be taken to limit the height of the</p>

	<p>topsoil dump / stacked to 5 to 6 meters in order to preserve its fertility and shelf life. It will be suitably protected from soil erosion and infertility by planting fodder grass and leguminous plants during temporary storage.</p> <p style="text-align: center;">Overburden Management</p> <p>This waste will be utilized within the pit for lying of haul roads. At the end use, OB can be reutilized as soil base for plantation.</p>
Eco-restoration	The year wise programme of eco-restoration for life of mine will be made and about 4,200 plants will be planted in an area of 4.2757 ha.
Whether Environment Management Plan or Eco restoration Plan satisfactory?	Detailed Environment Management Plan is already submitted with E.C. Application.
Does it suggest mitigation measures for each activity	Detailed Environment Management Plan is already submitted with E.C. Application.
Is Pre-Feasibility Report (PFR) satisfactory	Detailed Pre-Feasibility Report (PFR) is already submitted with E.C. Application.
Does it need public hearing	Not Applicable
Details of litigation and Court verdict if any	No litigation pending
Details of public complaint, if any	None
Details of statutory sanction required	<p>The following Govt. Orders / Policies are to be followed:-</p> <ul style="list-style-type: none"> ➤ Kerala Minor Mineral Concession Rules, 2015. ➤ Mines Act, 1952 ➤ Explosive Rules, 2008 ➤ Kerala Panchayat Raj Act, 1994 ➤ Environment Protection Act, 1986 ➤ EIA Notification, 2006 / 2009 ➤ The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

If CRZ recommendation applicable?	Not Applicable
PART B	
ENVIRONMENT IMPACT ASSESSMENT AND MITIGATION MEASURES	
Details of water requirement per day in KLD	The total water requirement is about 15 KLD in which 1 KLD is for domestic purpose which would be sourced from open well, 12 KLD for dust suppression in mine with ancillary unit and 2 KLD for plantation purposes and will be sourced from storm water pond.
Water source/sources.	1 KLD is for domestic purpose which would be sourced from open well, 12 KLD for dust suppression in mine with ancillary unit and 2 KLD for plantation purposes and will be sourced from storm water pond.
Expected water use per day in KLD.	15 KLD
Details of water requirements met from water harvesting.	12 KLD for dust suppression in mine with ancillary unit and 2 KLD for plantation purposes and will be sourced from storm water pond.
What are the impact of the proposal on the ground water?	No significant impact envisaged on ground water due to the mining project.
How much of the water requirement can be met from the recycling of treated waste water? (Facilities for liquid waste treatment)	No STP proposed for treatment of waste water.
What is the incremental pollution load from waste water generated from the proposed activities?	The sewage to a tune of 0.80 KLD generated from the mine office will be diverted to the septic tank followed by soak pit.
How is the storm water from within the site managed?	The run-off from the lease area will be suitably collected through channels and will be stored in storm water pond for further utilization in Mine unit. However, all measures will be taken to not to disturb the natural drainage system of the surrounding area.
IMPACT ON BIODIVERSITY AND ECO RESTORATION PROGRAMMES	
Will the project involve extensive	Due to the mining activities, there will be loss of some native species and vegetation. However, some of these species will be planted at the end use for



clearing or modification of vegetation (Provide details)	eco-restoration.
What are the measures proposed to minimize the likely impact on vegetation (details of proposal for tree plantation/ landscaping)	The year wise programme of eco-restoration for life of mine will be made and about 4,200 plants will be planted in an area of 4.2757 ha.
Is there any displacement of fauna – both terrestrial and aquatic. – If so what are the mitigation measures? Presence of any endangered species or red listed category (in detail)	Not applicable No endangered species found at site
IMPACT ON AIR ENVIRONMENT	
What are the mitigation measures on generation of dust, smoke and air quality	<p>Mining activities will generate certain quantities of dust during drilling, blasting, loading and transportation operations. The following measures will be taken to mitigate the fugitive dust from different operations.</p> <ul style="list-style-type: none"> • Laying of haul road as per the standards, black topping of permanent haul road and service road to avoid or eliminate air – borne dust. • To avoid the dust generation from the drilling operations, wet drilling method will be adopted. • Drill machines will be equipped with dust collectors. • Use of appropriate explosives for blasting and avoiding overcharging of blast holes. • Controlled blasting techniques will be adopted. • Watering of haul road and other road at regular intervals. • Provision of dust filters/ mask to workers working at highly dust prone and affected areas. • Provision of green belt all along the periphery of the lease area. • Periodical monitoring of ambient air quality in and around the lease area.
Details of internal traffic	The extracted mineral will be transported from the quarry to the end user by adopting following measures so as to minimize dust emissions.

management of the site.	<ul style="list-style-type: none"> • In case of long transportation the trucks after loading will be covered with tarpaulin sheets. • Speed of the vehicles will be maintained within the prescribed limits. • Trucks will not be over loaded and will be maintained to the body level
Details of noise from traffic, machines and vibrator and mitigation measures	<p>The major noise generating source from the proposed activity is working machinery, drilling, blasting and plying of vehicles. The following control measures are to be undertaken to bring down the noise levels:-</p> <ul style="list-style-type: none"> • Proper maintenance of machinery, equipments and improvement on design of machines. • Use of personal protective devices i.e., earmuffs and earplugs by workers, who are working in high noise generating areas. • Creation of wide green belt of dense foliage between mine areas and residential colonies. • Proper training to personnel to create awareness about adverse noise level effects. • Planned noise monitoring at suitable locations in the plant and outside location for proper effective remedial actions.
Impact of DG sets and other equipments on noise and vibration and ambient air quality around the project site and mitigation measures	No DG Set proposed
Air quality monitoring in detail	The ambient air quality monitoring of the project site was carried out and the copy of report is already submitted with E.C. Application.
ENERGY CONSERVATION	
Details of power requirement and source of supply.	The total power requirement will be 75 kW, which will be drawn from diesel engine. Fuel Quantity ± 16 to 20 lt/ hr.
Details of renewable energy (non conventional) used.	The total power requirement will be 75 kW, which will be drawn from diesel engine. Fuel Quantity – 16 to 20 lt/ hr.
RISK MANAGEMENT	
Are there sufficient measures proposed for risk hazards in case of emergency such	Detailed Environment Management Plan is already submitted with E.C. Application.

as accident at the site?	
Are proposals for fencing around the quarry satisfactory?	Barbed wire fencing will be done all around the quarry site.
Storage of explosives /hazardous substance in detail	The stone quarry mine will result in increase in frequency of blasting for mining the mineral. However, controlled blasting with optimum charge of holes will be carried out to loosen the rock. Explosion hazards are envisaged due to mishandling of explosives. Explosives will be handled with utmost care in compliance of conditions imposed by Chief Controller of Explosive & Metalliferous Mines Regulation, 1961.
Facility for solid waste management	Top soil and over burden generated from the site will be stored separately on earmarked place and will be used for eco-restoration and internal road development.
SOCIO ECONOMIC IMPACTS	
Will the project cause adverse effects on local communities disturbance to sacred sites or other cultural values. What are the safe guards proposed?	The proposed project will directly / indirectly develop the area by providing employment opportunities. With the proposed development in and around the area there will be supporting facilities/ infrastructure eventually leading to the development of the area.
Will the proposal result in any changes to the demographic structure of local population. If so, provide details.	Part of the proposed land is rocky area with mining activities and there is no vegetation in that area. The remaining land in the proposed land is mostly covered with native trees, shrubs, herbs, grass, climbers, bushes etc. The topography of the lease area is hilly terrain. The highest elevation of the lease area is 800 m MSL and lowest is 70m MSL. As the proposed area is hill rock, the drainage of lease area is towards West.
Details of CSR commitment	The project proponent set apart an amount of Rs. 7 Lakhs as recurring expenses and Rs. 8 Lakhs as Non recurring expenses for CSR activities for the welfare of local community in consultation with the Grama Panchayat.
What are the projects benefits in terms of employment potential?	Due to the mining activity and due to the attached ancillary unit, there will be workers attracted to the project area. It is proposed to employ 16 persons in the project.
PART C	

Details of NABET approved EIA Consultant engaged-Their name, address and accreditation details	M/s Environmental Engineers & Consultants Pvt. Ltd. (NABET Accredited Consultant Organization) <i>Head Office :- A1-198, Janak Puri, New Delhi.</i> <i>Branch Office:-</i> C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala.
SUMMARY AND CONCLUSION	
Overall justification for implementation of the project.	It is predicted that socio-economic impact due to this project will positively increase the chance of more employment opportunities for local inhabitants. There are no Resettlement and Rehabilitation issues involved in this project. The project infrastructures will be of use to people of the area. The revenue of the State Govt. will be definitely increasing due to the proposed activity. The entire project area is devoid of any endangered flora and fauna. It is proposed to reclaim the land and develop green cover for eco-restoration with native species to a maximum possible extent. Additionally, an area is earmarked outside the proposed mining area for compensatory mass plantation. Also, a storm water pond is proposed outside the mining area for storage of rain water and for its subsequent use so as to conserve fresh water consumption. Thus the proposed project is not likely to affect the environment or adjacent ecosystem adversely.
Explanation of how adverse impact have been mitigated.	Detailed Pre-Feasibility Report (PFR) with Environment Management Plan (EMP) is already submitted with E.C. Application.

2. The proposal was placed in the 76th meeting of SEAC held on 25th & 26th July, 2017. The Committee appraised the proposal based on the Mining Plan, Pre-feasibility Report and all other documents submitted along with Form I.

The proponent agreed to set apart Rs. 10 lakh per annum (recurring) for CSR activities for the welfare of the local community in consultation with the local Panchayat. The Committee decided to **defer the item for field inspection.**

Site visit was conducted on 21.10.2017 by Subcommittee consisting of Dr. Khaleel Chovva & Dr. E.A. Jayson and submitted report

The land for the quarry project is private owned land and is possessed in the name of M/s Wayanad Granites. The targeted production of mine will be 1,00,000 MTA. The estimated project cost is about Rs. 3.35 Crores. The expected life of mine estimated will be about 11 years. The mining operation will be carried out by opencast semi-mechanized method as per the approved Mining Plan.

The proponent and partners were present when the team visited the quarry. The quarry is not working presently. Malabar Wildlife Sanctuary is about 8 km, SW and nearest town Kalpetta is about 5km. This quarry is working in partnership mode. Kabani River is about 4 km from the site. There are four quarries (not working) i.e., Mr. Thomas O.D., Mr. Joseph P.M. & M/s Krishnagiri Stone Crusher (2 quarries) were working with short term permit located within 500m radius and currently there is no working quarry near the site.

No important eco sensitive areas or forests is present within 100m. On field visit, it is suggested that, it is necessary to take precaution to avoid effluent waters entering the nearby areas. This calls for establishing scientifically laid garland drains and settling tanks for settlement of debris. The presently provided pits (two nos.) has to be developed into two settling ponds with sufficient depth with rubble lined side walls. Only filtered water after sedimentation be allowed to flow out of the quarry. The nearby house is located at a distance of 102 meters. Quarters and canteen facility has to be created before the functioning of the quarry. The boundary pillars has to be painted with yellow colour and lat.long. marked on the pillars. Tree planting as per the mining plan to be strictly followed. The application may be favourably considered.

3. The proposal was placed in the 81st meeting of SEAC held on 30th & 31st October, 2017. The proposal was appraised by SEAC after considering Form I, Form IA, Conceptual plan, field visit report and all other documents and details provided by the proponent and decided to **Recommend for issuance of EC** subject to general conditions in addition to the following specific condition.

1. *If any rare, endemic and threatened plant species are noticed, they shall be properly protected insitu or transplanted to a suitable site inside the lease area*

4. The proposal was considered in the 76th meeting of SEIAA held on 16th November 2017. The Authority decided to issue EC subject to the submission of the copy of proof for having applied for Wild Life Clearance, with general conditions and the following specific conditions.

1. *If any rare, endemic and threatened plant species are noticed, they shall be properly protected insitu or transplanted to a suitable site inside the lease area*
2. *All condition suggested by the field inspection report as noted above should be strictly implemented before starting mining.*

The proponent should set apart Rs.10 lakh per annum (recurring) for CSR activities for the welfare of the local community to be implemented in consultation with the local

Panchayat and the details should be forwarded to SEIAA. A notarised affidavit for the commitment of CSR activities and also agreeing to all the general and specific conditions should be submitted before the issuance of EC. The proponent has submitted an affidavit vide reference 5th cited, satisfying all the above conditions.

5. Environmental clearance as per the EIA notification 2006 is hereby accorded for the proposed building stone quarry project of Mr.M.M Thomas, Managing Partner, M/s Wayanad Granites, Pinangode Post, Kalpetta, Wayanad, Kerala- 673 121 in Sy. Nos. 371/1, 371/2/1, 372/1, 372/4, 372/2, & 373/1 of Vengappally Village & Panchayat, Vythiri Taluk, Wayanad District, Kerala for an area of 5.1625 hectares subject to the specific conditions as recommended by SEIAA in para 4th above, all the environmental impact mitigation and management measures undertaken by the project proponent in the Form I, EMP, PFR and Mining plan submitted to SEIAA. The assurances and clarifications given by the proponent will be deemed to be a part of these proceedings as if incorporated herein. Also the general conditions for projects stipulated for mining (items 1 to 61), appended hereto will be applicable and have to be strictly adhered to.
6. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in the Environment Management Plan and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and the undertakings in Chapter 10 (Mining), Chapter 10.c (Blasting), Chapter 19(Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.
7. Validity of the Environmental Clearance will be five years from the date of this clearance, subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of EC in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry.
8. Compliance of the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorised offices and also by the regional office of the Ministry of Environment & Forests, Govt. of India, Bangalore.
 - i. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.
 - ii. Instances of violation if any shall be reported to the District Collector, Wayanad to take legal action under the Environment (Protection) Act 1986.

- iii. The given address for correspondence with the authorised signatory of the project is Mr. M.M.Thomas, Managing Partner, M/s.Wayanad Granites, Pinangode Post, Kalpetta, Wayanad – 673 121.

Sd/-
P.H.Kurian I.A.S,
Member Secretary (SEIAA)

To,


✓ Mr. M.M.Thomas,
Managing Partner,
M/s.Wayanad Granites,
Pinangode Post,
Kalpetta, Wayanad – 673 121.

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. The Director, Mining & Geology, Thiruvananthapuram -4.
4. The Member Secretary, Kerala State Pollution Control Board
5. The District Collector, Wayanad
6. The District Geologist, Wayanad
7. The Tahsildhar, Vythiri Taluk.
8. Chairman, SEIAA.
9. Website.
10. S/f
11. 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 proponents 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 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 upstream and downstream 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.


For Member Secretary, SEIAA Kerala

Copy of Environmental Clearance Order

Annexure No.3

अनुज्ञप्ति प्ररूप एल. ई.- 3
LICENCE FORM LE-3

[विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।]
[See article 3(a) to (d) of Part 1 of Schedule IV of the Explosives Rules, 2008]

जिला मजिस्ट्रेट द्वारा अनुदत्त प्ररूप एल.ई.3 [अनुच्छेद 3 (क)] में वर्ग 1, 2, या 3 से 25 किलोग्राम से अनधिक के विस्फोटकों, 1500 संख्या में स्फोटकों और 1500 मीटर के किसी मैगजीन में किसी एक समय पर स्फोटक फ्युज या सुरक्षा फ्युज के प्रयोग, कृषि प्रयोजनों के लिए या छोटी खदान में रखने के लिए अनुज्ञप्ति

Licences to possess for use in small quarry, explosives not exceeding 25 kilogrammes of Class 1 or 2 or 3 and 1500 numbers detonators; and 1500 meters of detonating fuse or safety fuse at any one time in a magazine

अनुज्ञप्तिधारी या अधिभोगी का हस्ताक्षर सहित फोटोग्राफ के लिए स्थान
Photograph of the licence-holder or occupier with signature

अनुज्ञप्ति सं. (Licence No.) : E/KL/WYD/LE3/17(E101381)
वार्षिक फीस रूपए (Annual Fee Rs): 1200/-

- अनुज्ञप्ति एतद्वारा जारी की जाती है | Licence is hereby granted to :
M.M. THOMAS (अधिभोगी / Occupier : M.M. THOMAS)
WAYANAD GRANITES VENGAPPALLY KALPETTA, शहर | ग्राम (Town/Village) - VENGAPPALLY
जिला (District)- WAYANAD, राज्य (State)-Kerala, पिनकोड (Pincode)- 673121
- अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Partnership Firm**
- अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है | Licence is valid only for the following purpose :
जिला मजिस्ट्रेट द्वारा अनुदत्त प्ररूप एल.ई.3 [अनुच्छेद 3 (क)] में वर्ग 1, 2, या 3 से 25 किलोग्राम से अनधिक के विस्फोटकों, 1500 संख्या में स्फोटकों और 1500 मीटर के किसी मैगजीन में किसी एक समय पर स्फोटक फ्युज या सुरक्षा फ्युज के प्रयोग, कृषि प्रयोजनों के लिए या छोटी खदान में रखने के लिए अनुज्ञप्ति
Licences to possess for use in small quarry, explosives not exceeding 25 kilogrammes of Class 1 or 2 or 3 and 1500 numbers detonators; and 1500 meters of detonating fuse or safety fuse at any one time in a magazine
- (क) अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है | (a) Licence is valid for the following kinds and quantity of explosives:

क्रमांक Sr. No.	नाम तथा विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Class-2 (Cartridged)	2, 0	0	25.00 Kg.

	Explosives			
2.	Safety Fuse	6, 1	0	550.00 Mtrs
3.	Ordinary Detonator	6, 3	0	200.00 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा | (b) Quantity of explosives to be purchased in a calendar month : **4 times as above.**

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञापत परिसर की पुष्टि होती है | The licensed premises shall conform to the following drawing(s):

रेखाचित्र क्र. (Drawing No.) : **E/KL/WYD /LE3/17(E101381)** दिनांक (Dated) : **14/12/2015**

6. अनुज्ञापति परिसर निम्नलिखित पते पर स्थित हैं | | The licensed premises are situated at following address:

Survey No. 373/1, 372/2

शहर | ग्राम (Town/Village) : **VENGAPPALLY**

जिला (District) : **WAYANAD**

पिनकोड (Pincode) : **673121**

ई. मेल (E-Mail) :

wayanadgranites@gmail.com

पुलिस थाना (Police Station) :

KALPETTA

राज्य (State) : **Kerala**

दूरभाष (Phone) :

04936204211

फैक्स (Fax) :

7. अनुज्ञापति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं | The licensed premises consist of following facilities : **as shown in Drawing No : E/KL/WYD /LE3/17(E101381) dated : 14/12/2015**

8. अनुज्ञापति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2008 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है |

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

(1) उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए) |

Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

(2) अनुज्ञापति प्राधिकारी द्वारा हस्ता.क्षरित इस अनुज्ञापति की शर्तों और अतिरिक्त शर्तों |

Conditions and Additional Conditions of this licence signed by the licensing authority.

(3) दूरी प्ररूप DE-2 | Distance Form DE-2

9. यह अनुज्ञापति तारीख 31 मार्च 2017 तक विधिमान्य रहेगी |

This licence shall remain valid till **31st day of March 2017**

यह अनुज्ञापति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के परति निर्दिष्ट सेट-SET-VII के अधीन तथा उपवर्णित इस अनुज्ञापति की शर्तों का अधिक्रमण करने या यदि अनुज्ञापति परिसर

योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहरत की जा सकती है, जहां वह लागू हो।

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under SET-VII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

एसडी / -

तारीख | The Date : 14/12/2015

[अनुज्ञापन प्राधिकारी के हस्ताक्षर, पदनाम और मुद्रा]
Sd/-

[Signature, Designation and seal of licensing authority]

नवीनीकरण के पृष्ठांकन के लिए स्थान

Endorsement for renewal of licence:

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority
30/03/2018	31/03/2019	[अनुज्ञापन प्राधिकारी के हस्ताक्षर, पदनाम और मुद्रा] [Signature, Designation and seal of licensing authority]

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Copy of Explosives – license

Annexure No.4

69



നമ്പർ : ബി2-1056/2018-2019

വെങ്ങപ്പള്ളി ഗ്രാമപഞ്ചായത്ത്

1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233,234,254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതേ തുടർന്നുള്ള 31.10.2017 ലെ ജി.ഒ.പി നം.80/2017 ത.സ്വ.ഭ.വ.പട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത

ലൈസൻസ്

ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	ശ്രീ.എം.എം.തോമസ് മാനേജിംഗ് പാർട്ണർ വയനാട് ഗ്രാന്റേറ്റ്സ് വെങ്ങപ്പള്ളി
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	വെങ്ങപ്പള്ളി വില്ലേജിൽ റീസർവ്വെ 371/1,371/2,1,372/2,372/1,372/4,373/1 നമ്പർ സ്ഥലത്ത് ക്വാറി യൂണിറ്റ് നടത്തുന്നതിന്
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	വാർഡ് നമ്പർ -9
ലൈസൻസിന്റെ കാലാവധി	31/12/2018
ലൈസൻസ് ഫീസ്	4000+4000 രൂപ രസീത് നം. 117010102138/27.03.2018
റിമാർക്സ്	



തീയതി: 04.04.2018


[Handwritten Signature]
 വെങ്ങപ്പള്ളി ഗ്രാമപഞ്ചായത്ത്
 Secretary
 Vengappally Grama Panchayath
 P.O. Pinangode-673121

(മറുവശം)

Gram PAnchayath License

Annexure No.5


959/2018/1 Dup-2 500Rs.

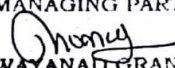


FORM H
(See Rule 43)
QUARRYING LEASE

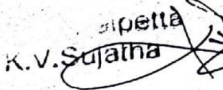
This deed of lease made on this the 20 day of March 2018 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and **M/s Wayanad Granites, Kodancherrykunnu, Vengappally, Pinangode. P.O, Wayanad 673 121 (Represented by its Managing Partner, Shri. M. M. Thomas, S/o Joseph (Late), Madathina Mattathil House, Kaicheri, Kannavam .P.O, Kannur District— 670650)** (hereinafter called the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

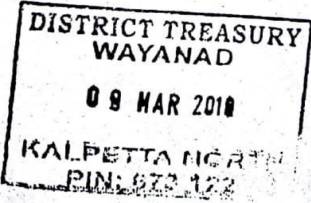
(...2)

Lessor 
GEOLOGIST
DISTRICT OFFICE
DEPT. OF MINING & GEOLOGY
MEENANGADI, WAYANAD - 673 591

Lessee **MANAGING PARTNER**

WAYANAD GRANITES

No. 33885
Value 500/-
Date 15/3/2018
Issue

Stamp:  K.V. Sujatha
M.M. Thomas
Managing Partner
Wayanad Granites
Vengappally



Copy of Lease Order



TEST REPORT

Test Report No: TC540219000000596F	Date: 07.02.2019	Page 1 of 1
------------------------------------	------------------	-------------

CUSTOMER DETAILS	
Customer Details	Name & Address Mr. M.M Thomas Managing Partner M/s Wayanad Granites Kodancherry Kunnu, Vegapally Wayanad District
Location Of Site	Survey No 371/2/1
	Village Vegapally
	Panchayath Vegapally
	Taluk Vythiri
	District Wayanad
State Kerala	
Customer Reference	Test Request form dated 03.02.2019

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	TC540219000000596F
Location of Monitoring	Near South side Boundary	Sampled By	Laboratory
Date of Monitoring	03.02.2019	Test Started On	05.02.2019
Sample Received On	04.02.2019	Test Completed On	06.02.2019
Humidity	57 %	Sampling Procedure	IS 5182 Part V & XIV

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	61.4	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix – L	µg/m ³	20.7	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	< 2.00	80.0

End of Report

For and on behalf of
Standard^s Environmental & Analytical Laboratories

Authorized Signatory

Laliju P. N.
Laboratory Head

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard^s Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Ambient Air

M/s Wayanad Granites

Compliance report

Annexure No.7



TEST REPORT

Test Report No: TC54021900000598F	Date: 07.02.2019	Page 1 of 1
-----------------------------------	------------------	-------------

CUSTOMER DETAILS	
Customer Details	Name & Address Mr. M.M Thomas Managing Partner M/s Wayanad Granites Kodancherry Kunnu,Vegapally Wayanad District
Location of Site	Survey No 371/2/1
	Village Vegapally
	Panchayath Vegapally
	Taluk Vythiri
	District Wayanad
State Kerala	
Customer Reference	Test Request Form dated 03.02.2019
SAMPLE DETAILS	
Source of Sample	Ambient Sound Level
Sample Code	TC54021900000598F
Location of Monitoring	South side Boundary
Date of Monitoring	03.02.2019

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	38.3 dB (A)	23.00 Hrs	37.2 dB (A)
07.00 Hrs	41.1 dB (A)	00.00 Hrs	36.8 dB (A)
08.00 Hrs	45.4 dB (A)	01.00 Hrs	37.5 dB (A)
09.00 Hrs	49.0 dB (A)	02.00 Hrs	37.2 dB (A)
10.00 Hrs	51.4 dB (A)	03.00 Hrs	37.9 dB (A)
11.00 Hrs	54.5 dB (A)	04.00 Hrs	36.8 dB (A)
12.00 Hrs	51.7 dB (A)	05.00 Hrs	38.6 dB (A)
13.00 Hrs	51.0 dB (A)	RESULTS	
14.00 Hrs	51.4 dB (A)		
15.00 Hrs	51.7 dB (A)	Noise Level (Leq) Daytime	49.8 dB (A)
16.00 Hrs	52.9 dB (A)		
17.00 Hrs	53.3 dB (A)		
18.00 Hrs	47.8 dB (A)		
19.00 Hrs	44.2 dB (A)	Noise Level (Leq) Nighttime	37.5 dB (A)
20.00 Hrs	40.3 dB (A)		
21.00 Hrs	39.8 dB (A)		
22.00 Hrs	37.1 dB (A)		

End of Report

For and on behalf of
Standard S Environmental & Analytical Laboratories

Laiju P. N.
Laboratory Head

Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard S Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of ambient sound

Annexure No.8



TEST REPORT



NABL(TC-5402)

Test Report No: TC540219000000597F	Date: 07.02.2019	Page 1 of 1
------------------------------------	------------------	-------------

CUSTOMER DETAILS

Customer Details	Name & Address	Mr. M.M Thomas Managing Partner M/s Wayanad Granites Kodancherry Kunnu, Vegapally Wayanad District
Location of Site	Survey No	371/2/1
	Village	Vegapally
	Panchayath	Vegapally
	Taluk	Vythiri
	District	Wayanad
	State	Kerala
Customer Reference	Test Request Form dated 03.02.2019	

SAMPLE DETAILS

Sample Code	TC540219000000597F	Sample Received On	04.02.2019
Sample Name	Water	Sampling Procedure	---
Sample Description	Open Well	Sampling Location	---
Identification By Customer	---	Sample Condition	Good
Sampled On	---	Test Started On	04.02.2019
Sampled By	Customer	Test Completed On	07.02.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2017	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	7.06	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	µS/cm	195	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	119	500 (Max)
07	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2014	mg/L	55.4	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	16.6	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	3.37	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	27.3	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	42.4	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.11	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	1.02	200 (Max)
14	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
15	E.coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

End of Report

For and on behalf of
Standard^s Environmental & Analytical LaboratoriesVidhyalakshmi Das
Microbiologist

Authorized Signatory

Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard^s Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43

Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of drinking water