

COMPLIANCE REPORT

April 2017 – September 2017

M/s Aswathy Granites Pvt. Ltd
Pathanamthitta District
Kerala

ASWATHY GRANITES Pvt.Ltd.



Murinjakal P.O. 689 693, Koodal, Pathanamthitta (Dist), Kerala, GSTIN 32AAGCA4607G1Z4

Tel. 8547 867 140, 9496 591 140, 9496 596 140, 9496 590 140, Fax. 0468 2269727

No. U14102KL2004PTC017401

email: asgranitespvtltd@gmail.com

Dtd: 11-07-2018

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. 147/SEIAA/EC4/2748/2013

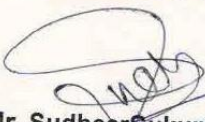
**Sub: Environment Clearance – Quarry project at Koodal Village,
Kalanjoor Panchayath, Adoor Taluk, Pathanathitta District, Kerala –
Compliance Report – First Half - Reg.**

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 9.3969 Ha. by order No. 147/SEIAA/EC4/2748/2013 dated 10-08-2015 by State Environmental Impact Assessment Authority, Kerala. The compliance report of First half (April 2017 – September 2017) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,
For M/s Aswathy Granites Pvt. Ltd.


Mr. Sudheer Sukumaran
(Director)



**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: 147/SEIAA/EC4/2748/2013

Dated: 10-08-2015

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

**SURVEY NO. 111/3pt, 110/8, 112/4, 111/4 pt, 111/5pt, 113/2, 112/5, 112/1-1, 112/1-2,
112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7**

KOODAL VILLAGE, KALANJOOR PANCHAYATH, ADOOR TALUK,

PATHANATHITTA DISTRICT, KERALA

BY

M/s ASWATHY GRANITES PVT. LTD.

PATHANAMTHITTA DISTRICT

KERALA

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INTRODUCTION

The quarry project of **M/s Aswathy Granites Pvt. Ltd.** is situated at survey No. 111/3pt, 110/8, 112/4, 111/4 pt, 111/5pt, 113/2, 112/5, 112/1-1, 112/1-2, 112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7 at Koodal Village, Kalanjoor Panchayath, Adoor Taluk, Pathanathitta District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 10/08/2015. 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 first half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2017 – September 2017** is being submitted.

COMPLIANCE REPORT
(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	A safe buffer distance of 100 meter shall be left from the side of the temple without conducting quarrying activities.	Complied
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Compliance:

The project proponent has left 110 meters of land from the side of temple as safe buffer distance, as part of enhancing protection for the worship place. *Pakkandam Murugan Kovil*, is situated at eastern side of the quarry. The project will assure no quarrying activity is taking place in the safe buffer zone.

02	Approach road should be widened and hard surfaced for facilitating transport of hard rock and machinery.	Complied
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Compliance:

One of the main sources of dust emission is roads. To reduce emission of dust, the project proponent has concreted the approach road of 114 m to the quarry site. This white top road can prevent dust emission during transportation of vehicles. To make transportation easy, the approach road was widened. At present the road has 6.5 meters of width. Two vehicles can go along this road at a time without traffic problem. The photograph of concreted road is provided in **Plate No.1**.

03	Eco- restoration should be made in the already mined pit now in possession of the proponent.	Being complied
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Compliance:

The eco restoration plan prepared by the project will be executed in a good manner. The project has developed two mined pit as rain water harvesting ponds in the site and it is used for fish farming. The project proponent is trying to use the mined pits in a sustainable way. The project started to plant various saplings in and around the project

site as part of enhancing bio diversity in the project site. The photograph of rain water harvesting pond is provided in **Plate No. 2.**

04	The steep faces presently seen on the working sides must be marked as danger zone. Protective fencing with sign boards should be provided to this danger zone.	Complied
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Compliance:

To enhance the safety, the steep faces seen on the working sides are marked as danger zone and appropriate sign boards were fixed by the project proponent. The project proponent has erected protective fencing around the mining area to prevent the falling of human and animals in to the mining pit.. The photograph of sign board is provided in **Plate No.3.**

05	Quarrying activities should be re located by providing haulage lines.	Complied
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Compliance:

All mining activities are progressing as per Mining plan approved by the geologist. The project has constructed new haulage road for the transportation of vehicles and machinery to explore the minor minerals from the quarrying area, as per the direction of State Environment Impact Assessment Authority.

06	Reclamation and eco restoration should be done by planting indigenous tree species.	Being Complied
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Compliance:

The eco restoration plan prepared by the project will be executed in a good manner. The project started to plant indigenous tree species in and around the project site as part of reclaim the mine area and eco restoration.

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 elsewhere.	Complied
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Compliance:

Even though it is not specified in KMBER/KPBR to collect rain water in mining area, the proponent has developed one rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The mined quarry pit is developed as pond. The stored rain water is using for gardening & agriculture, wetting of roads, and other domestic purposes. The photograph is showing the rain water collection pond in the project area in **Plate No. 2**.

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

The Environmental Monitoring Cell (EMC) was formed with Mr. Sudheer Sukumaran as head of the monitoring cell and made functional. The EMC meeting arranges regularly to evaluate and monitor quarrying work in connection with the specific and general conditions stipulated in the Environmental Clearance (EC) order. The details of the monitoring cell are given below:

Table 1 Environmental Monitoring Cell (EMC)

Sl. No.	Post	Name
1.	Head of the monitoring cell	: Sudheer Sukumaran
3.	Environmental Officer in charge	: Adv. Anil.K
4.	Asst. Environmental Officer for health	: Navajath Karunakaran
5.	Asst. Environmental Officer for safety	: Sudharman Anandan

4.	Environment Consultant	:	Environmental Engineers and Consultants Pvt. Ltd. New Delhi.
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03	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Complied
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Compliance:

Green belt is an important component in the mining sector. To reduce dust and sound pollution generated from mining area, the project proponent has planted various avenue trees either side of the roads, parking area and other areas in the project land. The project proponent is intending to plant various saplings, where the vegetation is less. There are natural vegetation including trees, shrubs and climbers are growing in the sides of the road and open parking areas. The name and family of flora is given below in **Table Number 2**. The photograph of avenue trees is attached as **Plate No.4**.

Table 2 Details of the natural vegetation existing along the road side

Sl. No.	Scientific Name	Common Name	Family	Habit
1.	<i>swietenia mahagoni</i>	mahagony	<i>meliaceae</i>	tree
2.	nerium oleander	arali	apocynaceae	shrub
3.	<i>bambusa bambos</i>	mula	<i>poaceae</i>	herb
4.	psidium guajava	peraka	myrtaceae	tree
5.	<i>chromolaena odorata</i>	communist-pacha	compositae	shrub
6.	<i>cocos nucifera</i>	thengu / coconut	arecaceae	tree
7.	<i>mangifera indica</i>	mavu	anacardiaceae	tree
8.	<i>tectona grandis</i>	thekku	verbenaceae	tree
9.	<i>ziziphus oenopolia</i>	thodalli	rhamnaceae	climber

04	The project shall incorporate devices for solar energy generation and utilization wherever possible.	Complied
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Compliance:

The project proponent has installed solar panels in the project site as part of energy conservation and to use renewable energy. The project proponent has installed two solar street lights in the project site. The electricity to the office of the project is fully generating from solar source. To make this, the project proponent has installed solar panels of 3.5KW. The photograph of solar street lights and solar panel is provided in **Plate No.5**. The purchasing bill of solar street light is given in **Annexure No. 1**.

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

The project splashes the haulage road and critical areas with the help of vehicles in regular intervals to arrest dust emissions from the road while transportation of materials. The project is intending to install sprinklers in critical areas in the project site for suppression of dust. The monitoring of the air quality through a State Pollution Control Board accredited laboratory helps the project proponent to maintain the air quality within the permissible limit. The test result is given in **Annexure No. 12**

06	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Noted
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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 has started to plant various saplings within the project area. The list of tree/shrub/herb saplings planted in the project site is given below in **Table No. 3**.

Table 3 Details of the saplings planted within the project area

Sl. No.	Scientific Name	Common Name	Family	Type
1.	<i>Artocarpus heterophyllus</i>	Plavu	<i>Moraceae</i>	Tree
2.	<i>Hevea brasiliensis</i>	Rubber	Euphorbiaceae	Tree
3.	<i>Anacardium occidentale</i>	Cahsew	Anacardiaceae	Tree
4.	<i>Pouteria sapota</i>	Saporta	Sapotaceae	Tree
5.	<i>Bambusa vulgaris</i>	Bamboo	Poaceae	Shrub
6.	<i>Cocos nucifera</i>	Thengu	Arecaceae	Tree
7.	<i>Capsicum frutescens</i>	mulaku	<i>Solanaceae</i>	Herb
8.	<i>Gomphia serrata</i>	Peral	Ochnaceae	Small tree
9.	<i>Carica papaya</i>	Papaya	<i>Caricaceae</i>	Tree
10.	<i>Nerium oleander</i>	Arali	Apocynaceae	Shrub
11.	<i>Coccos nucifera</i>	Thengu	<i>Arecaceae</i>	Tree
12.	<i>Psidium guajava</i>	Peraka	Myrtaceae	Tree
13.	<i>Mangifera indica</i>	Mavu	<i>Anacardiaceae</i>	Tree
14.	<i>Hibiscus rosa-sinensis</i>	Chembarathi	Malvaceae	Shrub
15.	<i>Musa paradisiacal</i>	Vazha	<i>Musaceae</i>	Herb
16.	<i>Swietenia mahagoni</i>	Mahagony	<i>Meliaceae</i>	Tree
17.	<i>Tectona grandis</i>	Thekku	<i>Verbenaceae</i>	Tree

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.	Will be Complied
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Compliance:

The project proponent will 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 in tune with the conditions specified in the Companies Act, 2013	Complied
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Compliance:

As part of Corporate Social Responsibility (CSR), the project spent amount in the areas of Education, Health and infrastructure development. The project proponent is intending to carry out CSR in systematic way for inclusive growth in the community. The copies of bill purchased against food provisions are given in **Annexure No. 2**. The details of activities performed under CSR are given in the table.

Table No.4 Performed activities under CSR

Sectors	Activities	Partners	Beneficiary	Amount spent in Rs.
Health	Distribution of food provisions in every month		More than 100 families	949866.00
Total				9,49,866.00

09	Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that the falling of animals/human beings/dumping of garbages etc. does not happen.	Complied
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Compliance:

To demarcate the lease area, the project proponent has installed erected barbed metal wire fencing with a height of 5 ft. around project site where Environmental

Clearance and lease obtained. This fencing can also prevent the falling of animals/human beings/dumping of garbages etc.. The photograph of barbed metal wire fencing is provided in **Plate No.6.**

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

As per the stipulation of Explosive department, the project has installed warning alarm in the quarry site. This alarm can intimate the general public that the blasting is going to happen. The timing of blasting in the quarry is in between 9.30am to 10.30, 1.00 pm to 2.00pm and 3.30pm to 4.30pm. The photograph of sign board is given in **Plate No.3.**

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

Mitigation measures Implemented

To reduce noise and vibration, the following measures are 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.

Blast vibrations and control measures

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.

Compliance report

- ❖ Ordinary and Electric delayed detonators are using for the blasting
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- ❖ Blasting will execute only under a licensed person.

12	Quarrying activities should be limited to day time as per KSPCB guidelines.	Complied
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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. The working time of the quarry is from 6.30am to 4.30 pm.

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

The blasting is carrying out in controlled manner by using ordinary delayed detonators. All blasting activities are supervising by a qualified person with the specified regulations of explosive department. The blasting time is displayed in the sign board and all blasting happens in the specified timings.

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

To supervise/control exploitation of minor minerals including blasting at the project site the project proponent has appointed Mines manager, foreman and mining mates in the site. **Annexure No. 3** is showing the license of mine mate and foreman.

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

The project proponent has concreted the access road of 114 meters to the quarry site to contain dust emissions. The access road to the quarry is maintained by splashing of water to control the dust emission during transportation. The project proponent has regularly maintained the access roads. The photograph of concreted road is provided in **Plate No. 1.**

15	Overburden materials should be managed within the site and the old quarries, if any, should be restored.	Complied
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Compliance:

The overburden is an inevitable product of a mining industry. At present the overburden excavated from the quarry is stacking the overburden at the mined portion in the lease area near to the worship place. This is being used to construct haulage roads in the mining area and the access will be used for reclamation at the end of the each bench in the mine.

17	Height of the benches should not exceed 5m and width should not be less than 5m.	Complied
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Compliance:

The quarrying is carrying out as per mining plan. To enhance safety and conserve environment, the project extracts the minerals by creating benches. The benches will not exceed 5 meters of height and the width of the bench will have minimum of 5 meters. The photograph of the mining area is provided at **Plate No.7.**

Compliance report

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

The project proponent is using ordinary/electric delayed detonator. The blasting is under the supervision of qualified person. The new technology of delayed blasting can reduce the incident of fly rock. Blasting during unfavorable weather conditions will be avoided. During blasting it will maintain optimum delay sequence and stem to column ratio to minimize the fly rock distance. There is no accident due to fly rock reported in this mine, therefore mats are yet to use. The project assures the maximum PPV is under 10.

19	Mining depth should not exceed beyond 40 m, unless otherwise specified or not below the level of the nearest stream bed, whichever is less.	Will be Complied
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Compliance:

Mining depth will not exceed beyond 40 meter or not below the level of the nearest stream bed, whichever is less.

20	No mining operations should be carried out at places having a slope greater than 45 ⁰ .	Noted
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Compliance:

No mining operation is carried out with a slope greater than 45⁰. There is no area seen with slope greater than 45⁰ high in the E C obtained area.

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
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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. The results if sound level is given as **Annexure No. 11**

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

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, glows, etc. to ensure the safety of workers in working site. The photograph of the workers with PPE is given in the **Plate No.8**. The copy of the bills for PPE is provided as **Annexure No.4**.

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

The project proponent ensured that all storm water from the mining area flow in to the pond created at the lower slopes. The storm water chanalized to the Rain water harvesting pond the sediments will settle down in the bottom of the pond. The over flow from the pond is directed to pond constructed at the lower side of at the project site. The project proponent is intending to create garland drains where it is necessary in the project area for storm water management.

24	The transportation of minerals should be done in covered trucks to contain dust emissions.	Complied
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Compliance:

The project assure that the loaded trucks are covered with appropriate sheets to avoid dust emission from the vehicle while transportation of materials. A photograph of covered truck is provided in **Plate No. 9**.

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

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 proponent is planning to plant more tree saplings in the project site. The list of tree saplings planted in the project site as part of eco-restoration is provided in **Table No 3**.

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

The volume of used oil is low in the industry, a major portion of used oil is using as lubricant in the project site. Disposal of spent oil from diesel engines will sell to the approved recyclers specified under relevant Rules/Regulations.

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

As part of safety guidelines of explosive department, 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	Norms of KSPCB should be adhered to regarding distance criteria of residences, roads, rivers and worship places.	Complied
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Compliance:

The norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The distance of the nearest house is above 200 meter form the quarry. The project proponent has left 110 meters of land as safe buffer zone from the nearest temple.

29	200 m buffer distance should be maintained from forest boundaries.	Noted
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Compliance:

There is no forest area near to the project site.

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

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board is provided in **Annexure No.5**.

31	All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	Complied
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Compliance:

The certificates obtained from concerned statutory authorities are enclosed in **Annexure No.5, 6, 7 & 8**.

TABLE No. 5. DETAILS OF APPROVALS

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	147/SEIAA/EC4/2748/2013 Dated: 10 -08 - 2015
"Consent to Operate" (Renewal)	Kerala State Pollution Control Board	PCB/RO/PTA/ICO/QUARRY/01/2017 Dated: 08/02/2017
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	E/SC/KL/22/1359(E65090) Dated: 10-02-2016
License for quarry operations	Gram Panchayath	A9.9 /2017-18/Quarry/IV Dated:29/03/2017

32	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	Noted
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Compliance:

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

33	The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
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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
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Compliance:

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

1. **The Environment Protection Act,1986**
2. **Water (Prevention and Control of Pollution) Act, 1974**
3. **The Air (Prevention and Control of Pollution) Act, 1981**
4. **The Public Liability (Insurance) Act,1991**
5. **Municipal Solid Waste (Management and Handling) Act,2016**
6. **Hazardous and Other Wastes (Management and handling) Rules, 2016.**
7. **EIA notification, 2006**

35	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org . <u>The advertisement should be made within 10 days from the date of receipt of the Clearance letter and</u>	Complied
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	<u>the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</u>	
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Compliance:

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.10**. The details of the news papers are given in the table.

Table No. 6. Details of advertisement in news papers

Sl. No.	News paper	Language	Date of edition
1	Malayalam Manorama	Malayalam	16-09-2015
2	The New Indian Express	English	16-09-2015

36	A copy of the clearance letter shall be sent by the proponent to concerned Grama/District Panchayath / Municipality / Corporation / Urban Local Body and also to the Local NGO, if any from whom suggestions / representations, if any were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.	Compiled
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Compliance:

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance latter to anyone. The copy of acknowledgement from Gram Panchayat is provided in **Annexure No.9**. At present the project does not have a website this will be created soon.

37	The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also the Directorate of Environment and Climate Change, Govt. of Kerala.	Compiled
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Compliance:

The compliance report is being submitted to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Govt. of India with the results of monitored data both in hard copy as well as mail. The result of monitored data is provided in **Annexure No. 11,12 & 13**

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.	Compiled
-----------	--	-----------------

Compliance:

The conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font was installed. The photograph of the board is given in **Plate No.10**.

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.	Compiled
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Compliance:

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

PLATES

Plate No.1



Concreted road to the quarry

Plate No.2



Rain water harvesting pond

Plate No.3



Sign board

Plate No.4



Avenue Tress

Plate No.5



Solar Street light



Solar panels for office

Plate No.6



Fencing around the mining area

Plate No.7



Benches under progress

Plate No.8



Labours with PPE

Plate No.9



Covered trucks

ANNEXURE

Tin No: 33745683448 Ph: 9846373053
~~9846373053 (M)~~ ✓

CASH/CREDIT BILL

MINNU'S ELECTRONICS & SOLAR ENERGY SYSTEM
KALANJOOR, ATHIRUMKAL & TENKASI
(All Types Solar Accessories Sales & Service)

No. **204** Date **24/5/2016**

To **A. Aswathy Granites Pvt Ltd Athirumkal. Kerala**

Sl. No.	Particulars	Qty.	Rs.	Ps.
20160 150726	Solar, 30w. led top assembly	1	30000	
Ch. No.	012066 - dda	30/5/16		Cr
MINNU'S SOLAR ENERGY SOLUTIONS Chitter Korri - Pathanamthitta				
TOTAL		1	30000	0

For: MINNU'S ELECTRICALS ✓

Copy of solar purchased

M/s Aswathy Granites Pvt. Ltd

Compliance report

Annexure No.2

32010774761 GST 32010774761-E

JAYALEKSHMI TRADERS
Chalal, Tyasa, Thiruvananthapuram-36, 9037521038
(As per KVAT Rules 2005 Form No. 8B)

RETAIL INVOICE(CASH)

Invoice No. : 20
Name : ASWATHI GRANITE P.LTD. Date : 11-04-17

Sl. No.	Commodity / Item	Tax Rate	Unit Price	Quantity	Gross Value	Cash Disc.	Net Value	Tax Amount	Total (19+10)
1	TOOR DAL [1]	1.00	79.21	158.000 Kg	12515.18	0.00	12515.18	125.15	12640.33
2	GREEN GRAM [1]	1.00	79.21	158.000 Kg	12515.18	0.00	12515.18	125.15	12640.33
3	SUGAR [1]	0.00	42.40	158.000 Kg	6699.20	0.00	6699.20	0.00	6699.20
4	COCONUT OIL ANRUTH [500ml]POUC	5.00	68.57	158.000 PKT	10533.86	0.00	10533.86	526.67	11060.53
5	MUSTARD	5.00	80.00	14.000 Kg	1120.00	0.00	1120.00	0.00	1120.00
6	GARLIC 2	0.00	80.00	14.000 Kg	1120.00	0.00	1120.00	0.00	1120.00
7	CURRY	5.00	209.52	8.000 Kg	1676.16	0.00	1676.16	83.81	1760.00
8	CHILLY VATTAL RAW 1	1.00	77.23	40.000 Kg	3089.20	0.00	3089.20	30.89	3120.00
9	CORIANDER [2]	1.00	84.16	40.000 Kg	3366.40	0.00	3366.40	33.66	3400.00
10	TURMERIC POWDER	5.00	114.29	8.000 Kg	914.32	0.00	914.32	45.71	960.00
11	SALT POWDER	0.00	6.80	158.000 Kg	1082.80	0.00	1082.80	0.00	1082.80
12	RICE CHAMBA PACHARI	0.00	40.00	5.000 Kg	200.00	0.00	200.00	0.00	200.00
13	CANE JAGGERY [2]	5.00	53.28	5.000 Kg	261.90	0.00	261.90	13.10	275.00
14	C NUT SPLIT	5.00	714.29	0.250 Kg	178.57	0.00	178.57	8.93	187.50
15	KISSMIS [1]	5.00	125.31	0.250 Kg	31.33	0.00	31.33	1.57	32.90
16	PAPPER CUP [150ml]	5.00	38.10	1.000 BDL	38.10	0.00	38.10	1.90	40.00
17	PAPPER CUP [110ml]	5.00	28.57	1.000 BDL	28.57	0.00	28.57	1.43	30.00
Fifty Six Thousand Two Hundred and Fourty Seven Only					55199.53	0.00	55199.53	1047.47	56247.00
					Total				56247.00

For JAYALEKSHMI TRADERS
Authorized Signatory

GSTIN: 3200NPS13278179

JAYALEKSHMI TRADERS
Chalal, Tyasa, Thiruvananthapuram-36, 9037521038




TAX INVOICE(CASH)

Invoice No. : 135
Name : ASWATHY GRANITES PRIVATE LIMITED Date : 12-08-17 (10:47:51 AM)
GSTIN : 32AAGCA4607G1Z4

Sl. No.	HSN Code & Name of the Product/Service	S.G.T. Rate	Qty & UOM	Unit Price	Gross Value	Cash Disc.	Taxable Value	CGST Rate/Amount	SGST Rate/Amount	Total Amount
1	07136000 TOOR DAL [1]	0.00	200.000 Kg	68.00	13600.00	0.00	13600.00	0.00	0.00	13600.00
2	0910 GREEN GRAM [1]	0.00	200.000 Kg	72.00	14400.00	0.00	14400.00	0.00	0.00	14400.00
3	12129300 SUGAR [1]	5.00	4.000 BA	2000.00	8000.00	0.00	8000.00	2.50	200.00	8400.00
4	1207 KALPAKERA SOOML	5.00	199.000 PK	66.67	13267.33	0.00	13266.67	2.50	331.67	13930.00
5	MUSTARD	5.00	20.000 kg	61.90	1238.00	0.00	1238.10	2.50	30.95	1300.00
6	GARLIC 1 SPICES	0.00	20.000 Kg	70.00	1400.00	0.00	1400.00	0.00	0.00	1400.00
7	5099 CURRY [50gms]	5.00	10.000 kg	247.62	2476.20	0.00	2476.15	2.50	61.91	2600.00
8	0910 CHILLY VATTAL RAW 1	5.00	50.000 kg	71.43	3571.50	0.00	3571.43	2.50	89.29	3750.00
9	0910 CORIANDER [GREEN, 40kgBag]	5.00	50.000 kg	66.67	3333.50	0.00	3333.33	2.50	83.34	3500.00
10	1901 QUALITY TURMERIC POWDER GENERAL	5.00	10.000 kg	142.86	1428.60	0.00	1428.57	2.50	35.72	1500.00
11	1701 SALT POWDER GENERAL	0.00	8.000 ba	170.00	1360.00	0.00	1360.00	0.00	0.00	1360.00
12	1701 RICE CHAMBA PACHARI	0.00	3.000 kg	40.00	120.00	0.00	120.00	0.00	0.00	120.00
13	0910 CANE JAGGERY [1]	0.00	5.000 kg	60.00	300.00	0.00	300.00	0.00	0.00	300.00
14	0910 KISSMIS [1]	5.00	0.250 Kg	114.29	28.57	0.00	28.57	2.50	0.72	30.00
15	0910 C NUT SPLIT	5.00	0.250 Kg	733.33	183.33	0.00	183.33	2.50	4.59	192.50
16	0910 RICE C O.V.E.R	0.00	6.000 Kg	150.00	900.00	0.00	900.00	0.00	0.00	900.00
Sixty Seven Thousand Two Hundred and Eighty Two Only					65606.19			838.14	838.16	67282.50
					Total Rounded As					67282.50

For JAYALEKSHMI TRADERS

Receipts of CSR

Cert No. FMR / 2894

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र
FIRST CLASS MANAGER'S CERTIFICATE OF COMPETENCY
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री यल्लाप्रागदा एस गोपाल सुपुत्र वाई. सीतायती राव
जिनकी जन्म तिथि 14.06.1970 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने एवं सितम्बर, 2014 में आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा ओपेनकास्ट धात्विकीय खानों के प्रबंध हेतु प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 28.04.2015 से प्रभावी है।

Shri Yellapragada S. Gopal son of Y. Seethapathi Rao
born on 14th June, 1970 having given satisfactory evidence of possessing the prescribed qualifications and experience and having passed the examination held in September, 2014 is hereby granted FIRST CLASS MANAGER'S CERTIFICATE OF COMPETENCY to manage the metalliferous mines having opencast workings only. This certificate is effective from. 28.04.2015


सचिव
खनन परीक्षा बोर्ड
Secretary
Board of Mining
Examinations


अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining
Examinations


Signed and Sealed
Date 28.04.2015

Certificate of First class manager

Cert No. FUE /1482


सत्यमेव जयते







भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
फोरमैन सक्षमता प्रमाण-पत्र
FOREMAN'S CERTIFICATE OF COMPETENCY
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री शिव कुमार सी सुपुत्र कुमाराश्वामी सी
जिनकी जन्म तिथि 01.06.1989 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने
का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा फोरमैन सक्षमता प्रमाण-पत्र प्रदान किया जाता है।
यह प्रमाण-पत्र दिनांक 26.08.2015 से प्रभावी है।

Shri *Shivakumar C* son of *Kumara Swamy C*
born on *01st June, 1989* having given satisfactory evidence of possessing
the prescribed qualifications and experience is hereby granted MINE FOREMAN'S
CERTIFICATE OF COMPETENCY. This certificate is effective from *26.08.2015*


सचिव
खनन परीक्षा बोर्ड
Secretary
Board of Mining
Examinations


अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining
Examinations


Signed and Sealed
Date 09.09.16

Certificate of foreman

Compliance report

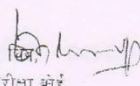
पु. बी. ए. 12292
C. I. M. 12292

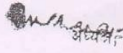
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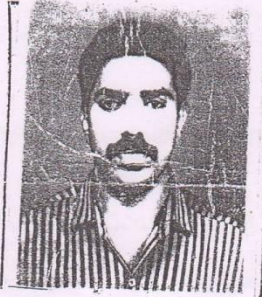
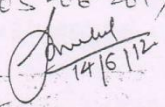


खान अधिनियम, 1952
THE MINE'S ACT, 1952
खान मेट समर्थता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(धातवीय खान विनियम, 1961 के अधीन)
(Under Metalliferous Mines Regulations, 1961)
(केवल खन कार्यस्थल) वाली धातवीय खानों तक सीमित)
(Restricted to metalliferous mines having open-cast workings only)

श्री , सुपुत्र
(पिताजी) ग. व , धाना
जिला , राज्य
जन्म तारीख ने अपनी आयु, स्वरधता, सदाचार, साक्षरता और अनुभव का
सर्वोपयुक्त प्रमाण दे दिया है और ता को
में हुई परीक्षा पास कर ली है उसे धातवीय खान विनियम, 1961 के अधीन उन धातवीय खानों के लिये जिनमें केवल खुल कार्यस्थलों तक कार्य
सीमित होना है खान मेट समर्थता प्रमाण-पत्र दिया जाता है।
Shri M.L. Sree Kumaran Thampi
of Village Mangalath , Thara Kollam.
District Kollam , State Kerala
born on 31st May 1967 , Son of Shri P.G. Lekshmanan.
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and having passed an
examination held at OORGAUM, KGF on 2nd July 1992.
19 is hereby granted a MINING MATE'S CERTIFICATE under the Metalliferous Mines Regulations
1961, restricted to metalliferous mines having open-cast workings only.


खान परीक्षा बोर्ड
Secretary.
Board of Mining Examinations.
तारीख Date 17-7-1992


खान परीक्षा बोर्ड
Chairman,
Board of Mining Examinations.



 valid up to 05-06-2017

 14/6/12

अपने हाथ के अंगूठे का निगमन
Left hand thumb impression

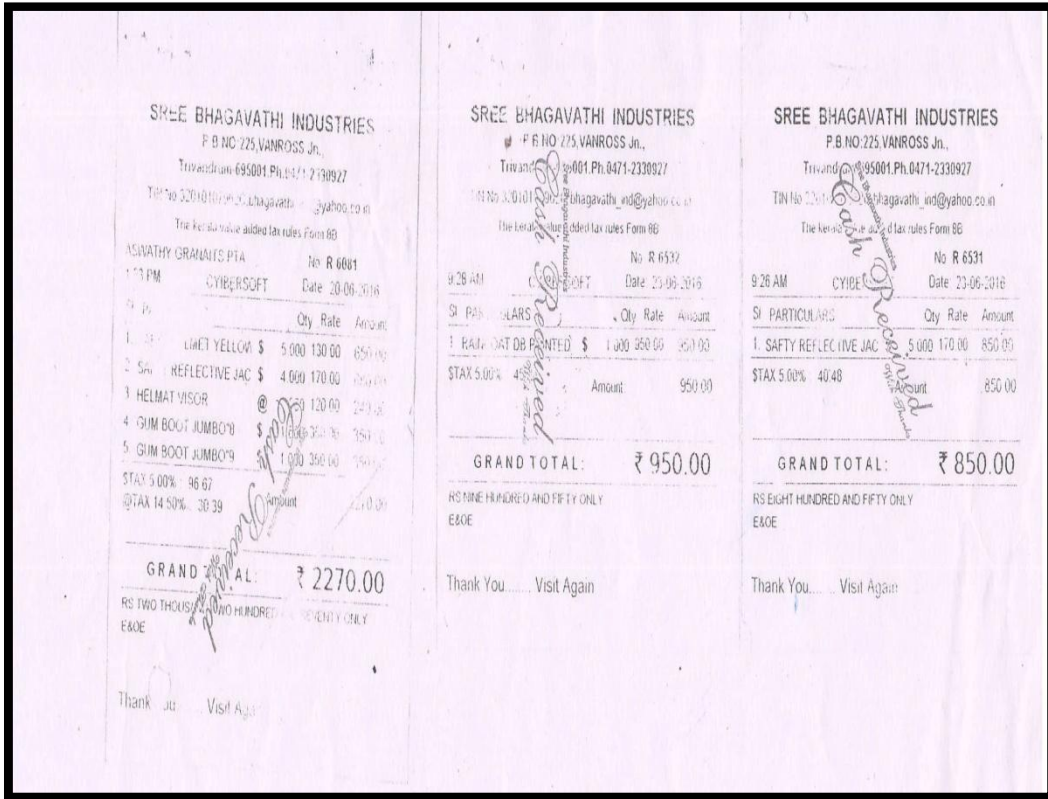
प्रमाणित किया जाता है कि उम्मीदारी परीक्षा की गई और उसे ग्रहरेपन, सदीप दृष्टि या अन्य किसी ऐसी धारीरिक या मानसिक अशक्तता से
रहित पाया गया, जिसका उसके दक्षतापूर्वक कार्य निःसंशय पर प्रभाव पड़ने की संभावना हो।
Certified that he was examined and found free from deafness, defective vision or any other infirmity, mental or
physical, likely to interfere with the efficient discharge of his duties.

1. On 17/07/92 ता. को 20/9/2007

Certificate of mining mate

Compliance report


Annexure No.4



Bill of PPE

5

FILE NO : PCB/RO/PTA/ICO/QUARRY/01/2017
Date of issue : 08/02/2017



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. :3585495
Dated:04-08-2016

TO

M/s QUARRY OF ASWATHY GRANITES PVT LTD
MURINJAKAL P. O.
KOODAL,
KONNI
PATHANAMTHITTA




Consent No. :PCB/RO/PTA/ICO/01/2017
Valid Upto :31/07/2019

Page1

Consent to Operate

Regd


सत्यमेव जयते

Validity expires on 9-8-2020

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

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

Sub: SEIAA- Environmental Clearance for the proposed quarry project in Sy. Nos. 111/3 pt, 110/8, 112/4, 111/4 pt., 111/5 pt., 113/2, 112/5, 112/1-1, 112/1-2, 112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7 at Koodal Village, Kalanjoor Panchayat, Adoor Taluk, Pathanamthitta District, by M/s Aswathy Granites Pvt. Ltd.- Granted . Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 147/SEIAA/EC4/2748/2013 *dated, Thiruvananthapuram 10-8-2015*

Read:-

1. Application dated 7-10-2013 submitted by Sri. Sudheer Sukumaran, Director, M/s Aswathy Granites, Padmalayam, Murinjakkal P.O, Pathanamthitta dist.
2. Minutes of the 21st meeting of SEAC held on 4-11-2013.
3. Minutes of the 24th meeting of SEIAA held on 22-11-2013.
4. Minutes of the 25th meeting of SEAC held on 14/15- 2- 2014.
5. Minutes of the 26th meeting of SEIAA held on 24-1-2014.
6. Minutes of the 27th meeting of SEIAA held on 20-2--2014.
7. Minutes of the 30th meeting of SEAC held on 6/7-6-2014.
8. Minutes of the 32nd meeting of SEIAA held on 22-8-2014.
9. Minutes of the 33rd meeting of SEIAA held on 24-9-2014.
10. Minutes of the 35th meeting of SEAC held on 17/18-10-2014.
11. Minutes of the 35th meeting of SEIAA held on 9-4-2015.
12. Minutes of the 39th meeting of SEAC held on 14/15-5-2015
13. Minutes of the 39th meeting of SEIAA held on 18-6-2015.

Environmental Clearance No. 54

Sri. Sudheer Sukumaran, Director, M/s Aswathy Granites Pvt. Ltd., vide his application received on 07.10.2013, has sought Environmental Clearance under EIA Notification, 2006 for the proposed quarry project in Sy. Nos. 111/3 pt, 110/8, 112/4, 111/4 pt., 111/5 pt., 113/2, 112/5, 112/1-1, 112/1-2, 112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7 at Koodal Village, Kalanjoor Panchayat, Adoor Taluk (then), Pathanamthitta District, Kerala for an area of 9.3969 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No.

1

First page of EC order

Compliance report

Annexure No.7

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 Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञप्ति

Licence to possess : (c) for use,explosives of class 1, 2,3,4,5,6 or 7 in a magazir

अनुज्ञप्ति सं. (Licence No.): E/SC/KL/22/1359(E65090)
वार्षिक फीस रूपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to
sudheer Sukumaran (अधिभोगी / Occupier : Sudheer Sukumaran), Padmalayam, Murinjakal P.O. Koodal, Pathanamthitta District - Kerala, Town/Village - Koodal, District-PATHANAMTHITTA, State-Kerala, Pincode -

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Individual**

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।
Licence is valid only for the following purpose.
possess for use of **Nitrate Mixture, Safety Fuse, Electric Detonators, Ordinary Detonator** के उपयोग के लिए

4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र. Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2.0	0	100 Kg.
2.	Safety Fuse	6.1	0	2000 Mtrs
3.	Electric Detonators	6.3	0	1500 Nos.
4.	Ordinary Detonator	6.3	0	1500 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए] **20 times as above.**

(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)]:

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1359 है।
The licensed premises shall conform to the following drawing(s): **दिनांक (Dated) 02/01/2012**
(E65090)


6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No. 343/1 Block No.30, ग्राम (Town/Village) : Koodal (v)Adoor Taluk, District Pathanamthitta, पुलिस थाना (Police Station) : Koodal
जिला (District) **PATHANAMTHITTA** राज्य (State) **Kerala** पिनकोड (Pincode)
दूरभाष (Phone) **9447439826** ई. मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities. **A SET OF ONE D TYPE (Sr NO 340) AND ONE E TYPE (Sr No 479) PORTABLE MAGAZINE FABRICATED BY M?S THEKKANS ENGINEERING AND FABRICATION WORKS, ERNAKULAM, KERALA**

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 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.

- 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.
- अनुज्ञप्ति प्राधिकारी व्द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

Explosive license




ലൈസൻസ് നമ്പർ A9.9/2017-18/quarry/IV തീയതി 29/03/2017

കുഞ്ഞൂർ ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

1994 ലെ കേരളാ പഞ്ചായത്ത് ഓഫ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	<u>ജൂനിയർ ട്രാക്റ്ററിംഗ് കമ്പനി പ്രൈവറ്റ് ലിമിറ്റഡ്, മുല്ലമുക്ക് റോഡ്, കുന്നംകുന്ന്, തിരുവനന്തപുരം</u>	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	<u>കുന്നംകുന്ന് ഗ്രാമപഞ്ചായത്ത്, തിരുവനന്തപുരം ജില്ല</u>	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	<u>കുടുംബ വിഭാഗത്തിൽ ട്രാക്റ്ററിംഗ് ഉപകരണങ്ങൾ 110/8, 111/3, 111/4, 111/5, 112/1-1, 112/1-2, 112/2, 112/7, 112/4, 112/5, 112/8-1, 112/8-2, 112/8-3, 113/3 മുൻപ് നൽകിയ സർവ്വേ നമ്പർ 9.3969 സെക്ഷൻ നമ്പർ 1120 പരാമർശം ചെയ്ത വിനിയോഗങ്ങൾ</u>	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	<u>വാർഡ് - IV, മുല്ലമുക്ക് റോഡ് നമ്പർ - KP. IV/659</u>	
ലൈസൻസ് കാലാവധി	<u>01/04/2017</u>	മുതൽ <u>31/03/2018</u> വരെ
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	<u>₹ 5000/-</u> രൂപ	സെീൽ നമ്പർ <u>116011 06491</u> നീ 28/03/2017
	<ol style="list-style-type: none"> 1. Experience licence No. E/SC/KL/22/1359(E65090) 10/02/2016 2. Letter of intent No. 1725/M3/2016 ntd 13/7/06 of the Mining & geology director (Incharge) 3. Pcb Consent to operate No. PCB/RO/PTA/100/0/2017 ntd 08/02/2017 valid upto 31/07/2019 4. proceedings of the State Environment Impact Assessment Authority Kerala order no - 147/SE/IAA/E4/2748/2013 ntd 10/08/2015 valid upto 09.08.2020 	
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാരസമാഹാരം)	<p>Use of the Asst. Municipal Officer Fire & Rescue Services, Puthenthitta. No. 6. 4327/16 ntd 31/03/16</p> <p>The validity of the consent shall be subject to any judgement/decision in the court application No. 205 of 2016 (SZ)</p> <p style="text-align: right;"><u>കുഞ്ഞൂർ</u> (ഗ്രാമ പഞ്ചായത്ത്) Secretary Kalarjoor Gram Panchayat Phone : 9446842098</p>	



GLM-30-Y-2014

Copy of license form Gram Panchayat

Kalanjoor Grama Panchayat 8088895
Kalanjoor P.O, Pathanamthitta,
Phone: 04734270363
Inward No 5222 Year 2015
Date of Receipt 19/09/2015
Name of Applicant ASWATHY GRANITES, KOODAL
Subject ENVIRONMENT CLEARANCE
Date of Delivery
Section A9
19/09/2015 04:16:37PM

Acknowledgement from Gram Panchayat



TEST REPORT

Test Report No: SEANN/1710/R166	Date: 26.10.2017	Page 1 of 1
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CUSTOMER DETAILS

Customer Details	Name & Address	M/s Aswathy Granites (P) Ltd Murinjakkal, Adoor Pathanamthitta District
Monitoring Site	Survey No	110/8, 111/4, 111/5, 112/1-1, 112/1-2, 112/2, 112/1-2, 112/7, 112/8-1, 112/8-2, 112/8-3,
	Village	Koodal
	Panchayath	Kalanjoor
	Taluk	Konni
	District	Pathanamthitta
	State	Kerala
Customer Reference	Test Request Form Dated 19.10.2017	

SAMPLE DETAILS

Source of sample	Ambient Sound Level
Location of Monitoring	Near East side Boundary
Date of Monitoring	20.10.2017

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	36.4 dB (A)	23.00 Hrs	34.9 dB (A)
07.00 Hrs	39.0 dB (A)	00.00 Hrs	37.4 dB (A)
08.00 Hrs	43.1 dB (A)	01.00 Hrs	38.2 dB (A)
09.00 Hrs	46.5 dB (A)	02.00 Hrs	37.8 dB (A)
10.00 Hrs	48.8 dB (A)	03.00 Hrs	38.5 dB (A)
11.00 Hrs	51.8 dB (A)	04.00 Hrs	37.4 dB (A)
12.00 Hrs	49.1 dB (A)	05.00 Hrs	39.2 dB (A)
13.00 Hrs	48.4 dB (A)	RESULTS	
14.00 Hrs	48.8 dB (A)		
15.00 Hrs	49.1 dB (A)	Ambient Sound Level (Leq) Daytime	47.2 dB (A)
16.00 Hrs	50.3 dB (A)		
17.00 Hrs	50.6 dB (A)		
18.00 Hrs	45.4 dB (A)		
19.00 Hrs	42.0 dB (A)	Ambient Sound Level (Leq) Nighttime	37.7 dB (A)
20.00 Hrs	38.3 dB (A)		
21.00 Hrs	37.8 dB (A)		
22.00 Hrs	35.3 dB (A)		

End of Report

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



(Signature)
Authorized Signatory
Laiju P. N.
Laboratory Head

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 20 67 24 02
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of ambient Noise

Annexure No.12



TEST REPORT

Test Report No: SEAL/1710/EN/R077	Date: 27.10.2017	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Aswathy Granites (P) Ltd Murinjikal, Adoor Pathanamthitta District
Monitoring Site	Survey No	110/8, 111/4, 111/5, 112/1-1, 112/1-2, 112/2, 112/1-2, 112/7, 112/8-1, 112/8-2, 112/8-3,
	Village	Koodal
	Panchayath	Kalanjoor
	Taluk	Konni
	District	Pathanamthitta
	State	Kerala
Customer Reference	Test Request form dated 19.10.2017	

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	SEAL/1710/EN/S077
Location of Monitoring	Near East side boundary	Sampled By	By Laboratory
Date of Monitoring	20.10.2017	Test Started On	23.10.2017
Sample Received On	21.10.2017	Test Completed On	24.10.2017
Humidity	74 %	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 2012	µg/m ³	63.8	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	29.4	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2012	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2012	µg/m ³	< 2.00	80.0

End of Report

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



(Signature)
Authorized Signatory

Laiju 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 20 67 24 02
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of Ambient Air

Annexure No.13



TEST REPORT



Test Report No: SEAAL/1710/WA/R078	Date: 27.10.2017	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Aswathy Granites (P) Ltd Murinjakkal, Adoor Pathanamthitta District
	Survey No	110/8, 111/4, 111/5, 112/1-1, 112/1-2, 112/2, 112/1-2, 112/7, 112/8-1, 112/8-2, 112/8-3,
	Village	Koodal
	Panchayath	Kalanjoor
	Taluk	Konni
	District	Pathanamthitta
	State	Kerala
Customer Reference	Test Request Form dated 20.10.2017	

SAMPLE DETAILS			
Sample Code	SEAAL/1710/WA/S078	Sample Received On	21.10.2017
Sample Name	Open Well	Sampling Procedure	SEAAL/MSP/24
Sample Description	Water	Sampling Location	North West side Boundary
Identification By Customer	---	Sample Condition	Good
Sampled On	---	Test Started On	21.10.2017
Sampled By	Customer	Test Completed On	24.10.2017

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4: 1983 RA 2012	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5: 1983 RA 2012	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10: 1984 RA 2012	NTU	0.40	1.00 (Max)
04	pH	IS 3025 Part 11: 1984 RA 2012	---	6.81	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16: 1984 RA 2012	mg/L	63.0	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21: 2009	mg/L	28.6	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40: 1991 RA 2009	mg/L	8.16	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46: 1994 RA 2009	mg/L	1.99	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32: 1986 RA 2009	mg/L	13.6	250 (Max)
10	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23: 1986 RA 2009	mg/L	17.7	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53: 2003 RA 2009	mg/L	< 0.10	1.00 (Max)
12	Sulphate (SO ₄)	IS 3025 Part 24: 1986 RA 2009	mg/L	2.08	200 (Max)
*13	Total Coli form Bacteria	IS 1622: 1981 RA 2009	----	Absent/100ml	Absent/100 ml
*14	E coli	IS 15185: 2002	----	Absent/100ml	Absent/100 ml

* Not under NABL.

End of Report



Standard* Environmental & Analytical Laboratories

Laiju P. N.
Laboratory Head

For and on behalf of
Authorized Signatory

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

Result of Water