

# **COMPLIANCE REPORT**

**OCTOBER 2020 – MARCH 2021**

**(Quarry Project)**

**M/s Plakkatu Granite Industries Pvt. Ltd**

**Pathanamthitta District**

**Kerala**

**PLAKKATTU GRANITE INDUSTRIES PVT. LTD.**

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Dt.26-04-2021

**The Additional Principal Chief Conservator of Forests (C)**

Ministry of Environment, Forests &amp; Climate Change,

4<sup>th</sup> Floor, E& F Wing, Kendriya Sadan,

Koramangala, Bangalore - 560034

**Ref :- File No. 870/SEIAA/EC4/3101/2015****Sub :- Environment Clearance – Quarry project at Konnithazham Village,  
Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala – Compliance Report  
– Second half - Reg.****Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for 3.5723 Ha. by order No. 870/SEIAA/EC4/3101/2015 dated 06.05.2017 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second half** (October 2020 to March 2021) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

**For M/s Plakkatu Granite Industries Pvt. Ltd**  
**Mr. Jacob Thomas  
(Managing 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: 870/SEIAA/EC4/3101/2015**

**DATED: 06.05.2017**

*BY*

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)**

**FOR**

**BUILDING STONE QUARRY**

**(MINOR MINERAL MINING) PROJECT**

*AT*

**SURVEY NO. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12,**

**571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1**

**571/1A/12/54-2 AT KONNITHAZHAM VILLAGE, KONNI**

**PANCHAYATH, KONNI TALUK, PATHANAMTHITTA DISTRICT,**

**KERALA**

*BY*

**M/S. PLAKKATU GRANITE INDUSTRIES PVT LTD**

**PATHANAMTHITTA DISTRICT**

**KERALA**

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## INTRODUCTION

The quarry project of **M/s. Plakkatu Granite Industries Pvt. Ltd** is situated at Survey No. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1 571/1A/12/54-2 at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 06.05.2017. 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 **October 2020 – March 2021** is being submitted.

**COMPLIANCE REPORT**

**(SPECIFIC CONDITIONS)**

**PART A**

**PART - A – SPECIFIC CONDITIONS**

|           |  |                 |
|-----------|--|-----------------|
| <b>01</b> | <b>The depth of mining may be up to the general ground level at site and not the level of the PWD road to Thekkuthodu.</b> | <b>Complied</b> |
|-----------|--|-----------------|

***Compliance:***

The depth of mining will be up to the general ground level at site and it won't be the level of the PWD road to thekkuthodu.

|           |  |                 |
|-----------|--|-----------------|
| <b>02</b> | <b>Proponent may submit copy/copies of the sale deeds in respect of the lands involved in the proposed mining area of 3.5723 Ha. For verification.</b> | <b>Complied</b> |
|-----------|--|-----------------|

***Compliance:***

For Verification the project has submitted copies of the sale deeds in respect of lands involved in the proposed mining area of 3.5723 Ha.

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**

**GENERAL CONDITIONS**

|           |  |                 |
|-----------|--|-----------------|
| <b>01</b> | <b>Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.</b> | <b>Complied</b> |
|-----------|--|-----------------|

**Compliance:**

In order to collect rainwater during the time of monsoon season all runoff from the quarry site is collected at the mined out pit. The project proponent has developed rain water harvesting ponds in the project site. The excess clear water is flowing to the public draining after proper filtration. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system).

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

**Compliance:**

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent formed an Environmental Monitoring Cell (EMC) with Mr. Rajasekaran Nair VT as head of the monitoring cell. The EMC meeting convenes regularly for a sustainable environment. The details of the monitoring cell are given below:

**Table 1 - Environmental Monitoring Cell (EMC)**

| <b>Sl. No.</b> | <b>Post</b>             | <b>Name</b>         |
|----------------|-------------------------|---------------------|
| 1.             | Head of monitoring cell | Rajasekaran Nair VT |
| 2.             | Member                  | Joseph KG           |
| 3.             | Member                  | Thomas Joseph       |
| 4.             | Member                  | Aneesh Joseph       |

|           |  |                 |
|-----------|--|-----------------|
| <b>03</b> | <b>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.</b> | <b>complied</b> |
|-----------|--|-----------------|

**Compliance:**

The project proponent planted various tree saplings and native species in the project site as avenue trees and at parking area. To reduce air and noise pollution, the project proponent has planted various avenue trees along either side of the road. There is natural vegetation including trees, shrubs and climbers to reduce pollution.

|    |   |                 |
|----|---|-----------------|
| 04 | <b>Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

The project proponent has installed solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB.

|    |  |                 |
|----|--|-----------------|
| 05 | <b>Sprinklers shall be installed and used in the project site to contain dust emissions.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

To prevent dust emission, sprinklers are installed in the project site. The project proponent is splashing water on roads using a tanker vehicle.

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

**Compliance:**

The eco restoration and the mine closure plan will be done at the own cost of the project proponent. The project proponent will plant various saplings in and around the project site.

|    |  |                         |
|----|--|-------------------------|
| 07 | <b>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.</b> | <b>Will be complied</b> |
|----|--|-------------------------|

**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 | <b>Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

As part of inclusive growth of the community, the project proponent has executed activities under Corporate Social Responsibility of the firm. The main activities were under the sectors of education, housing etc. To improve the status of downtrodden people, the project proponent has spent Rs 157250 to implement various activities under Corporate Social Responsibility.

|    |  |                 |
|----|--|-----------------|
| 09 | <b>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.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

The project proponent has installed fencing around the area where lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 4 ft.

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

**Compliance:**

As per the stipulation of Explosive department and State Environment Impact Assessment Authority the project proponent has installed warning alarms in the quarry site.

|    |   |                 |
|----|---|-----------------|
| 11 | <b>Control measures on noise and vibration prescribed by KSPCB should be implemented.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

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

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., 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.
- ❖ Ordinary 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.
- ❖ Using Electric delayed detonators

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

**Compliance:**

Quarrying activities are 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. | <b>complied</b> |
|----|--|-----------------|

**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 | <b>A licensed person should supervise/control the blasting operations.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

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

|    |  |                 |
|----|--|-----------------|
| 15 | <b>Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

To contain dust emissions and for the trouble free transportation of materials, the project proponent has tarred the access road to the quarry site. The project proponent splashes water on the road to arrest the dust production during summer season. The project proponent is regularly maintaining the access road in a good manner.

|    |   |                 |
|----|---|-----------------|
| 16 | <b>Overburden materials should be managed within the site and used for reclamation of mine pits as per mine closure plan/specific conditions.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

The overburden and topsoil is managed within the site. This is used for plantation, haulage roads and land filling in the lease area. To conserve top soil grass is planted.

|    |   |                 |
|----|---|-----------------|
| 17 | <b>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.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

As part of safety, the project proponent conducts mining by creating benches. The benches will not exceed 5 meters of height. The project maintains the width of benches minimum of 5 meters.

|    |   |              |
|----|---|--------------|
| 18 | <b>Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.</b> | <b>Noted</b> |
|----|---|--------------|

**Compliance:**

The mat is using during blasting time to prevent fly rock. The correct quantity of explosive is used under the supervision of a qualified person.

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

**Compliance:**

The mining depth will not exceed beyond 10 meter from the general ground level.

|    |  |              |
|----|--|--------------|
| 20 | <b>No mining operations should be carried out at places having a slope greater than 45°.</b> | <b>Noted</b> |
|----|--|--------------|

**Compliance:**

There is no area seen with slope greater than 45° in the area where Environment Clearance and Lease is obtained.

|    |   |                 |
|----|---|-----------------|
| 21 | <b>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.</b> | <b>complied</b> |
|----|---|-----------------|

**Compliance:**

To reduce the impact of sound to the labours in the unit, the project proponent 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 proponent is trying to enhance the vegetative cover by planting more tree saplings.

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

**Compliance:**

As part of safety the project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, gloves, etc. to the labours in working site.

|    |  |                 |
|----|--|-----------------|
| 23 | <b>Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.</b> | <b>Complied</b> |
|----|--|-----------------|

**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 | <b>The transportation of minerals should be done in covered trucks to contain dust emissions.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

All vehicles with loaded materials are going outside as covered trucks to contain dust emissions.

|    |   |                 |
|----|---|-----------------|
| 25 | <b>The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.</b> | <b>complied</b> |
|----|---|-----------------|

**Compliance:**

The project proponent has been planting various saplings in the project area as a compensation of loss of trees while clearing the land for mining.

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

**Compliance:**

The used oil was sold to the approved recyclers as specified under relevant Rules/Regulations.

|    |  |                 |
|----|--|-----------------|
| 27 | <b>Explosives should be stored in magazines in isolated place specified and approved by the explosives department.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

The Explosives are stored in magazine. The magazine is situated in an isolated place specified and approved by the explosives department.

|    |   |                 |
|----|---|-----------------|
| 28 | <b>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.</b> | <b>complied</b> |
|----|---|-----------------|

**Compliance:**

The project proponent has left minimum buffer distance of hundred meters from the boundary of the quarry to the nearest dwelling unit. The distance of the nearest house was 103 meter form the quarry, the KSPCB condition is 50 meter

|    |   |              |
|----|---|--------------|
| 29 | <b>100 m buffer distance should be maintained from forest boundaries.</b> | <b>Noted</b> |
|----|---|--------------|

**Compliance:**

There is no forest in 4 km of vicinity to the project site. The nearest forest is Kumaramperoor Forest Station which is 4 km away from the project site.

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

**Compliance:**

The project proponent 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. | Complied |
|----|---|----------|

**Compliance:**

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

**TABLE 2 – 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:**

At present there is no change in the scope of the project. The project proponent will apply for Environmental clearance in the case of any change(s) in the scope of the project.

|    |   |              |
|----|---|--------------|
| 33 | <b>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.</b> | <b>Noted</b> |
|----|---|--------------|

**Compliance:**

The project proponent is aware and agreed with right of authority 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.

|    |  |              |
|----|--|--------------|
| 34 | <b>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.</b> | <b>Noted</b> |
|----|--|--------------|

**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.

|           |  |                 |
|-----------|--|-----------------|
| <b>35</b> | <b>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 <a href="http://www.seiaakerala.org">www.seiaakerala.org</a>. 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.</b> | <b>Complied</b> |
|-----------|--|-----------------|

***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.

|           |  |                 |
|-----------|--|-----------------|
| <b>36</b> | <b>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.</b> | <b>Complied</b> |
|-----------|--|-----------------|

**Compliance:**

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The copy of Environmental clearance is uploaded in the website.

|    |  |          |
|----|--|----------|
| 37 | The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office. | complied |
|----|--|----------|

**Compliance:**

The compliance report is being submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The results of monitored data are provided at **Annexure No. 6, 7 & 8**. The project proponent has uploaded Compliance report along with monitored data and compliance report in [www.plakkattugranite.in](http://www.plakkattugranite.in)

|    |  |          |
|----|--|----------|
| 38 | The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public. | Complied |
|----|--|----------|

**Compliance:**

The details of Environmental Clearance are 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 extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.

|    |  |                 |
|----|--|-----------------|
| 39 | <b>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.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

The proponent has provided notarized affidavit (indicating the number and date of Environmental Clearance proceedings hat all the conditions stipulated in the EC shall be scrupulously followed.

|    |  |              |
|----|--|--------------|
| 40 | <b>No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.</b> | <b>Noted</b> |
|----|--|--------------|

**Compliance:**

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

|    |   |                 |
|----|---|-----------------|
| 41 | <b>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.</b> | <b>Complied</b> |
|----|---|-----------------|

**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 | <b>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 &amp; transfer point to reduce fugitive emissions.</b> | <b>Complied</b> |
|----|--|-----------------|

**Compliance:**

The project proponent has monitored the ambient air quality as per National Ambient Air Quality Standard (NAAQS), during the time of appraisal of the project. The project proponent is intending to increase splashing of water and installation of sprinklers at loading, unloading and transfer points.

|    |  |                       |
|----|--|-----------------------|
| 43 | <b>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.</b> | <b>Being complied</b> |
|----|--|-----------------------|

**Compliance:**

The natural resources like top soil and overburden are being stacked in a 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).

|    |  |                 |
|----|--|-----------------|
| 44 | <b>Catch drains and siltation ponds of appropriate size shall be</b> | <b>complied</b> |
|----|--|-----------------|

|  |  |  |
|--|--|--|
|  | <b>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.</b> |  |
|--|--|--|

**Compliance:**

The project proponent has constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels directed the water to the rain water collection pond. All sediments and silts are settling at the bottom of the pond and only cleared water is letting out. The water from the pond can be used for splashing of water on roads to arrest the dust. The project proponent indenting to create de siltation chambers along with catch drains.

|           |  |                 |
|-----------|--|-----------------|
| <b>45</b> | <b>Effective safeguard measures such as regular water sprinkling shall be carries out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub>, 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.</b> | <b>complied</b> |
|-----------|--|-----------------|

**Compliance:**

The project proponent is regularly checking the air quality in the site and spraying water in critical areas prone to air pollution with the help of vehicle. The project proponent has placed mobile sprinklers in critical area to reduce the dust emission. The ambient air quality is monitored with the help of an approved laboratory at regular interval.

|           |   |                       |
|-----------|---|-----------------------|
| <b>46</b> | <b>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.</b> | <b>Being complied</b> |
|-----------|---|-----------------------|

**Compliance:**

The project proponent has installed mobile sprinklers in critical area to reduce the dust emission. The water spraying has been carried out regularly to arrest the dust emission. The sprinklers and vehicle for water spraying is being properly maintained.

|    |   |                 |
|----|---|-----------------|
| 47 | <b>Measures should be taken for control of noise levels below 85 dBA in the work environment.</b> | <b>Complied</b> |
|----|---|-----------------|

**Compliance:**

The main sound generating activities in the mining area are 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. At present all machines and vehicle are properly maintained in the industry.

|    |  |                       |
|----|--|-----------------------|
| 48 | <b>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.</b> | <b>Being complied</b> |
|----|--|-----------------------|

**Compliance:**

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project has constituted an Environment Monitoring Cell with Mr. M P Thomas as the head of the Cell. This cell concurrently monitors and evaluates the safeguard measures implemented in the project site.

|    |   |                 |
|----|---|-----------------|
| 49 | <b>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.</b> | <b>complied</b> |
|----|---|-----------------|

**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 | <b>The Regional Office of MoEF &amp;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.</b> | <b>Noted</b> |
|----|--|--------------|

**Compliance:**

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

|    |   |              |
|----|---|--------------|
| 51 | <b>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.</b> | <b>Noted</b> |
|----|---|--------------|

|    |   |              |
|----|---|--------------|
| 52 | <b>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.</b> | <b>Noted</b> |
|----|---|--------------|

|    |  |                         |
|----|--|-------------------------|
| 53 | <b>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</b> | <b>Will be complied</b> |
|----|--|-------------------------|

|  |   |  |
|--|---|--|
|  | <b>stipulate any further condition in the interest of environment protection.</b> |  |
|--|---|--|

**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.

|           |  |              |
|-----------|--|--------------|
| <b>54</b> | <b>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.</b> | <b>Noted</b> |
|-----------|--|--------------|

**Compliance:**

The project proponent is giving priority to the conditions stipulated in the Environment clearance Order for its execution.

|           |   |              |
|-----------|---|--------------|
| <b>55</b> | <b>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.</b> | <b>Noted</b> |
|-----------|---|--------------|

|           |  |              |
|-----------|--|--------------|
| <b>56</b> | <b>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.</b> | <b>Noted</b> |
|-----------|--|--------------|

|           |   |              |
|-----------|---|--------------|
| <b>57</b> | <b>The mining operation shall be restricted to above ground water table and is should not intersect ground water table.</b> | <b>Noted</b> |
|-----------|---|--------------|

**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. | Complied |
|----|---|----------|

**Compliance:**

As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring conducts 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 proponent will install de siltation trap and other mechanism to prevent sediments and wastes from the mining area entering in to the public drainage system.

|    |   |          |
|----|---|----------|
| 61 | Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. | Complied |
|----|---|----------|

**Compliance:**

The project proponent has conducted an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala Government for the labours working in mining area and crusher.

# ANNEXURE

**Annexure No.1**

**FILE NO : PCB/PTA/ICO/QR/112/2011**  
**Date of issue : 26/12/2017**



**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. :6372108**  
**Dated:02-12-2017**

**TO**

**M/s QUARRY OWNED BY JACOB THOMAS PLAKKATTU GRANITE INDUSTRIES PVT LTD**  
**PAYYANAMON P.O**  
**KONNI**  
**PATHANAMTHITTA.**

**Consent No. :QCO/PTA/100/R2/EXP/2017**  
**Valid Upto :29/09/2021**

Page1

**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  | <b>VALIDITY</b>                       | 29/09/2021  |
| 2  | Name and Address of the establishment | QUARRY OWNED BY JACOB THOMAS<br>PLAKKATTU GRANITE INDUSTRIES PVT<br>LTD PAYYANAMON P.O ,<br>KONNI,<br>PATHANAMTHITTA. 689692                            |
| 3  | Communication                         | Telephone :0468-2342298<br>Fax :0468-2342298<br>E-mail:plakkattugranitekonna@gmail.com  |
| 4  | Occupier Details                      | JACOB THOMAS<br>MANAGING DIRECTOR<br>PLAKKATTU<br>KONNI THAZHAM<br>PAYYANAMON P.O<br>KONNI<br>KERALA<br>PIN- 689692                                     |
| 5  | Local Body                            | KONNI PANCHAYATH  |
| 6  | Survey Number                         | 571/1A/34-4,571/1A/34-4-1,571/1A/34-<br>5,571/1A/12,571/1A/12-56,571/1A/13-<br>137,571/1A/12/54/127,571/1A/12/54-<br>1,571/1A/12/54-2.(3.5723 HECTARES) |
| 7  | Village                               | KONNI THAZHAM   |
| 8  | Taluk                                 | KONNI   |
| 9  | District                              | PATHANAMTHITTA  |
| 10 | Capital Investment(Rs in Lakhs)       | 350 LAKHS   |
| 11 | Scale                                 | Small   |
| 12 | Category                              | RED   |
| 13 | Annual fee(Rs)                        | Rs.20000/-  |
|    | Total Fee remitted(Rs)                | Rs.130000/-   |
| 14 | <b>RAW MATERIAL</b>                   | <b>PRODUCTS</b>   |
|    | NATURAL ROCK in 3.5723 ha.            | MINING OF GRANITE BUILDING STONE @<br>1,20,000 MTA  |
| 15 | Total Power Required (HP)             | BOX COMPRESSOR WITH JACK HAMMER<br>(2NOS) - 90HP EACH,EXCAVATOR WITH<br>BREAKER (3NOS) - 110HP EACH.  |

**2. CONDITIONS AS PER**

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

Copy of Consent form PCB

**Annexure No.2**

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

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

Sub: - Environmental Clearance for the proposed quarry project in Sy.Nos. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/54-1, 571/1A/54-2 at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District by Sri.Jacob Thomas- Erratum Orders - issued.

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

**No.870/SEIAA/EC4/3101/2015**

**Dated, Thiruvananthapuram 6/5/2017**

- Ref:
1. EC No. 158/2016 issued vide pdgs No.870/SEIAA/EC4/3101/2015 Dated 30-09- 2016
  2. Letter Dated 19-10-2016 received from Shri.Jacob Thomas, C/o M/s Plakkattu Granite Industries (Pvt) Ltd.
  3. Minutes of 65<sup>th</sup> meeting of SEIAA held on 22.03.2016.

**ERRATUM ORDER**

The Environmental Clearance read as 1<sup>st</sup> paper above was issued to Shri.Jacob Thomas, M/s/Plakkattu Granite Industries Pvt.ltd, Payyanamon.P.O, Konni for quarry project in Sy.No. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/54-1, 571/1A/54-2 at Konnithazham Village, Konni Panchayath in Konni Taluk, Pathanamthitta District covering an area of 3.5723 hectares, based on the decision of the 57<sup>th</sup> meeting of SEIAA held on 26<sup>th</sup> August 2016.

The proponent, vide letter dated 19/10/2016 informed that, in the Environmental Clearance issued vide 1<sup>st</sup> paper read above, the expiry date of Environmental Clearance is mistaking noted as 29/9/2016. It ought to have been 29/9/2021.

The Authority in its 65<sup>th</sup> meeting held on 22<sup>nd</sup> March 2017 decided to correct the expiry date in the Environmental Clearance as 29.09.2021 instead of 29.09.2016. Therefore the expiry date of the Environmental Clearance issued vide 1<sup>st</sup> paper read above is hereby corrected as 29/9/2021.

This erratum order is issued accordingly. The Environmental Clearance issued vide reference 1<sup>st</sup> cited stands modified to this extent only.

James Varghese I.A.S.,  
Member Secretary (SEIAA)

Copy to

Sri.Jacob Thomas,  
Managing Director,  
M/s Plakkattu Granite Industries Pvt.Ltd,  
Payyanamon P.O.,Konni,  
Pathanamthitta District – 689 692.

To,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E &R Wing II Block, Koramangala, Bangalore – 560034.
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala
3. Director, Mining & Geology, Thiruvananthapuram -4,
4. District Collector, Pathanamthitta
5. Secretary, Konni Grama Panchayat, Konni.P.O., Pathanamthitta – 689 691.
6. Chairman, SEIAA
7. Website,
8. S/F
9. O/c



Forwarded /By Order

*Rajendar*  
Administrator (SEIAA)

Copy of Environmental Clearance Order



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 proposed quarry project in Sy. Nos. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2 at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala of Sri. Jacob Thomas, Managing Director, M/s Plakkattu Granite Industries Pvt Ltd. – Modified orders – Issued- Reg.**

**State Environment Impact Assessment Authority, Kerala**

**No.870/SEIAA/EC4/3101/2015**

**dated, Thiruvananthapuram 17.03.2018**

- Ref:-
1. Application received dated 05-08-2015 from Sri.Jacob Thomas, Managing Director, M/s Plakkattu Granite Industries Pvt Ltd., Payyanamon P.O, Konni, Pathanamthitta District, Kerala – 689692.
  2. E.C.No.158/2016 issued vide Proceedings No.870/SEIAA/EC4/3101/2015 dt. 30.09.2016.
  3. Representation dt. 01.12.2017 from Sri.Jacob Thomas, Managing Director, M/s Plakkattu Granite Industries Pvt Ltd., Payyanamon P.O, Konni, Pathanamthitta District, Kerala – 689692.
  4. Minutes of the 80<sup>th</sup> meeting of SEIAA held on 16.02.2018.

**ORDER**

Environmental Clearance was issued to Sri.Jacob Thomas, Managing Partner, M/s Plakkattu Granite Industries Pvt Ltd., Payyanamon P.O, Konni, Pathanamthitta District, Kerala – 689692, for the proposed quarry project in Sy. Nos. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/54-1, 571/1A/54-2 at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala, based on the decision of 57<sup>th</sup> meeting of SEIAA held on 26.08.2016, vide reference (2) above.

The proponent, vide representation under reference (3) above has informed that, in the Environmental Clearance issued vide 2<sup>nd</sup> paper above, there was an error in survey numbers mentioned in the application submitted by them. Now, the proponent requested to change in survey numbers in the Environmental Clearance Order. Necessary documents have been submitted to prove the same.

The Authority in its 80<sup>th</sup> meeting held on 16.02.2018 decided to to correct the error to the extent that the Survey Numbers mentioned in reference 2 above is hereby corrected and read as, 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2.

The Environmental Clearance issued vide reference 2<sup>nd</sup> cited stands modified to this extent only.

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

✓ To,

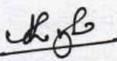
Sri.Jacob Thomas,  
Managing Director,  
M/s Plakkattu Granite Industries Pvt Ltd.,  
Payyanamon P.O, Konni,  
Pathanamthitta District, Kerala – 689692

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> 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. District Collector, Pathanamthitta
5. Secretary, Konni Grama Panchayath, Konni P.O., Pathanamthitta- 689691.
6. Chairman, SEIAA.
7. Website
8. S/f
9. O/c



Forwarded/By Order

  
Administrator, SEIAA

Page 2 of 2

Copy of Revised Environmental Clearance Order

## Annexure No.3

**अनुज्ञापिते 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 अनुज्ञापिते

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

**अनुज्ञापित सं. (Licence No.) : E/SC/KL/22/974(E48300)**  
वार्षिक फीस रुपए (Annual Fee Rs): 2400/-



Licence Photo w

1. Licence is hereby granted to  
**Shri Jacob Thomas Mg. Director Plakkattu Granite Industries P Ltd (आधिभागों / Occupier : Jacob Thomas), Payyanamon Post, Konni, Pathanamthitta district, Kerala State 689692, Town/Village - , District-, State-, Pincode - 689692**  
को अनुज्ञापिते अनुदत्त की जाती है।

2. अनुज्ञापितेधारी की प्रास्थिति | Status of licensee : **Company**

3. अनुज्ञापिते निम्नलिखित प्रयोजनों के लिए विधिमान्य है। : **possess for use of Nitrate mixture - Slurry and Emulsion Explosives, Safety Fuse, Electric Detonators, Ordinary Detonator, - के उपयोग के लिए**  
Licence is valid only for the following purpose.

4. अनुज्ञापिते 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 - Slurry and Emulsion Explosives | 2,0                             | 0                      | 125 Kg.   |
| 2.           | Safety Fuse                                      | 6,1                             | 0                      | 1500 Mtrs                                       |
| 3.           | Electric Detonators                              | 6,3                             | 0                      | 1000 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 अनुज्ञापिते के लिए] : **25 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 अनुज्ञापिते परिसर की पुष्टि होती है।  
The licensed premises shall conform to the following drawing(s): .  
रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/974 : (E48300)  
दिनांक (Dated) 13/01/2009

6. अनुज्ञापिते परिसर निम्नलिखित पते पर स्थित है। The licensed premises are situated at following address:  
**Survey No(s). 571/1A 16-1,1A 34 , ग्राम (Town/Village) : Konni Thazhampuzha पुलिस थाना (Police Station) : Konni**  
जिला (District) **PATHANAMTHITTA** राज्य (State) **Kerala** पिनकोड (Pincode)  
दूरभाष (Phone) ई. मेल (E-Mail) फेक्स (Fax)

7. अनुज्ञापिते परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।  
The licensed premises consist of following : **two mini magazines of stone masonry construction facilities.**

8. अनुज्ञापिते 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.
- अनुज्ञापिते प्राधिकारी द्वारा हस्ता.क्षरित इस अनुज्ञापिते 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.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2010 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2010.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत 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 VIII, 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.

Sd/-

तारीख | The Date - 13/01/2009

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives  
South Circle, Chennai

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 02/08/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 06/12/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/12/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal

| नवीकरण की तारीख<br>Date of Renewal | समाप्ति की तारीख<br>Date of Expiry | अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प<br>Signature of licensing authority and stamp   |
|------------------------------------|------------------------------------|--|
| 18/02/2020                         | 31/03/2025                         | Dy. Chief Controller of Explosives, Ernakulam<br>उप मुख्य विस्फोटक नियंत्रक<br>Deputy Chief Controller of Explosives<br>एरनाकुलम Ernakulam |

**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

ലൈസൻസ് നമ്പർ... 24.HF.1467 | 20-21.



തീയതി... 18/03/2020

കോന്നി ഗ്രാമപഞ്ചായത്തിൽ നിന്നും  
 1994-ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233,254 എന്നീ വകുപ്പുകളും  
 അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നൽകുന്ന  
 ഫാക്ടറി/വ്യാപാരം/സംരംഭകത്വം/മറ്റു സേവനങ്ങളുടെ ലൈസൻസ്

|   |  |  |
|---|--|--|
| ലൈസൻസിയുടെ പേരും<br>മേൽവിലാസവും           | ആകാശ് കോമസു<br>ഓഫീസിൽ ഡയറക്ടർ<br>പ്ലാക്കാട്ട് ഗ്രാമപഞ്ചായത്ത് ഉപവകുപ്പിൽ ലിമിറ്റഡ്   |  |
| സ്ഥാപനത്തിന്റെ പേരും,<br>സ്ഥലനാമവും       | പ്ലാക്കാട്ട് ഗ്രാമപഞ്ചായത്ത് ഉപവകുപ്പിൽ<br>ലിമിറ്റഡ്. ചാലാമുക്ക്   |  |
| ലൈസൻസ് നൽകിയിട്ടുള്ള<br>പ്രവർത്തനങ്ങൾ     | ചുവരി<br>ചാറപാട്ടിച്ച് തിരക്കുവെക്കൽ വിൽക്കുന്ന<br>നടത്തുന്നതിൽ.   |  |
| കെട്ടിടത്തിന്റെ നമ്പരും,<br>വാർഡ് നമ്പരും | കോന്നി ന്യൂന വിദ്യാഭ്യാസ - സർവ്വേ നം.<br>571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12.<br>571/1A/12-56, 571/1A/12/54-1, 571/1A/12-54-2<br>571/1A/13-137, 537/1A/12/54/127.   |  |
| ലൈസൻസ് കാലയളവ്                            | 01-04-2020 മുതൽ ..... 31-03-2021 വരെ   |  |
| ഈടാക്കിയ ലൈസൻസ് ഫീസ്                      | ട്രാൻസ്പാർൻസിംഗ് 15000<br>പ്രൊമോഷൻ 2500<br>ടെക്നിക്കൽ..... 5100 രൂപ  | രസീത് നമ്പർ<br>11902011 625, 626, 627<br>17/03/2020. |
|   | 1. മലിനീകരണ നിയന്ത്രണ ബോർഡിന്റെ അനുമതി<br>കാലാവധി 29/09/2021 അനുമതി നം. (GLO/PTA)1001R/2017<br>2. P.E.S.O ട്രാൻസ്പാർൻസിംഗ് അനുമതി കാലാവധി<br>E15C1 KL 221 974 (E48300) 01/03/2025<br>3. മൂന്ന് വലുതും മൂന്ന് ചെറുതും അനുസരണമേന്മ<br>അനുവദിച്ചിട്ടുള്ള ചുവരിൽ സർവ്വകലാശാല കാലാവധി 09/09/2021<br>4. ചുവരിയിൽ ലിസ് കാലാവധി (12/03/2028) |  |



കോന്നി ഗ്രാമപഞ്ചായത്ത്  
 Konni Grama Panchayat  
 Konni P.O., Pin-689691

Copy of Gram Panchayath license

## Annexure No.5

No. 8571/M3/2017

Directorate of Mining & Geology  
 Kesavadasapuram, Pattom P.O.  
 Thiruvananthapuram-4  
 Tel: 0471-2447429  
 Fax: 0471-2447429  
 E.mail: [director.dir.dmg@kerala.gov.in](mailto:director.dir.dmg@kerala.gov.in)  
 Web: [www.dmg.kerala.gov.in](http://www.dmg.kerala.gov.in)  
 Dated: 09/02/2018

From  
 The Director of Mining & Geology

To  
 ✓ M/s Plakkattu Granite Industries Pvt. Limited, Payyanamon P O, Konni,  
 Pathanamthitta- 689 692 (Represented by its Managing Director, Shri. Jacob Thomas)

Sir,

Sub: Mining & Geology - Mines and Minerals - Minor Minerals- Granite Building Stone -  
 Preparation and execution of quarrying lease deed – reg.

- Ref: 1. Pro.Order No.740/2017-18/8571/M3/2017/DMG Dated: 09/02/2018  
 2 Pro.order. No. 870/SEIAA/EC4/3101/2015 dtd. 30/09/2016 (EC. No. 158/2016) &  
 Erratum Order dated 06/05/2017  
 3. Kerala Minor Mineral Concession Rules, 2015.  
 4. Kerala Minerals (Prevention of illegal Mining, Storage & Transportation) Rules 2015  
 5. Mines & Minerals (Development & Regulation) Act 1957.

Please refer to the Proceedings Order cited above wherein a lease for Granite (Building Stone) is granted to **M/s Plakkattu Granite Industries Pvt. Limited, Payyanamon P O, Konni, Pathanamthitta- 689 692 (Represented by its Managing Director, Shri. Jacob Thomas)**. I request you to prepare three copies of the quarrying lease deed, original on plain paper and two copies of the same in stamped paper worth Rs. 500/- and produce the same before the **Geologist, District Office, Pathanamthitta** for scrutiny and execution. The date of execution will be entered up by the Geologist at the time of execution. After scrutiny of the quarrying lease deed, the Geologist will inform you the date of execution convenient to him. After execution as per the request of the Geologist, stamp duty may be fixed by any District Registrars of the state and he will receive the stamp duty and a certificate of remittance of stamp duty will be entered in the lease deed. A chalan for **Rs.35, 723/- (Rupees Thirty five thousand seven hundred and twenty three only)** being the security deposit is enclosed herewith duly countersigned. Please affix your signature at the appropriate places before remittance of money in the treasury. The original treasury receipted chalan may also be produced along with the typed copies of the lease deed and the draft form 'H' which is enclosed herewith, before the Geologist, District Office, **Pathanamthitta** at the time of execution.

Please note that the quarrying lease deed has to be executed within a period of six months from the date on which quarrying lease has been granted and got registered in accordance with the Registration Act, 1908 vide Rules 44 of the Kerala Minor Mineral Concession Rules, 2015. Form 'D' is also enclosed herewith for strict compliance and to report thereof.

Yours faithfully

Encl: as above



*[Signature]*  
 for DIRECTOR OF MINING & GEOLOGY (i/c)

Copy of Lease Order

## Annexure No.6

**TEST REPORT**

|                               |                  |             |
|-------------------------------|------------------|-------------|
| Test Report No: 20201209/R032 | Date: 15.12.2020 | Page 1 of 1 |
|-------------------------------|------------------|-------------|

**CUSTOMER DETAILS**

|                         |  |  |  |
|-------------------------|--|--|--|
| Customer Name & Address | <b>M/s Plakkattu Granite Industries (P)Ltd</b><br>Payyanamon, Konni,<br>Pathanamthitta District. |  |  |
| Customer Reference      | ---  |  |  |

**SAMPLE DETAILS**

|                              |                        |                    |               |
|------------------------------|------------------------|--------------------|---------------|
| Product Category             | Atmospheric Pollution  | Sample Code        | 20201209/S032 |
| Sample Name                  | Ambient Air            | Sample Received on | 10.12.2020    |
| Sample Conditions at Receipt | Fit for Analysis       | Test Commenced on  | 11.12.2020    |
| Sampled by                   | Lab Authorized Sampler | Test Completed on  | 15.12.2020    |

**DETAILS OF SAMPLING**

|                    |                     |                  |            |
|--------------------|---------------------|------------------|------------|
| Sampling Location  | East side boundary  | Date of Sampling | 09.12.2020 |
| Sampling Procedure | SEAL/ENL/GEN/SOP/02 | Humidity         | 70%        |

**SAMPLING SITE DETAILS**

|            |  |       |        |
|------------|--|-------|--------|
| Survey No. | 571/1A34-5, 571/1A34-4, 571/1A34-4-1, 571/1A12, 571/1A12-56, 571/1A13-137, 571/1A12-54-122, 571/1A12-54-1, 571/1A12-54-2 |       |        |
| Village    | Konnithazham   | Taluk | Konni  |
| District   | Pathanamthitta   | State | Kerala |

**TEST RESULTS- CHEMICAL PARAMETERS**

| Sl. No. | PARAMETERS                            | TEST METHOD                       | UNIT              | RESULT | NAAQ Standards |
|---------|---------------------------------------|-----------------------------------|-------------------|--------|----------------|
| 1       | Particulate Matter, PM <sub>10</sub>  | IS 5182 (Part 23):2006            | µg/m <sup>3</sup> | 60.5   | Max 100        |
| 2       | Particulate Matter, PM <sub>2.5</sub> | EPA 40 CFR (Part 50) Appendix - L | µg/m <sup>3</sup> | 26.1   | Max 60         |
| 3       | Sulphur Dioxide as SO <sub>2</sub>    | IS 5182 (Part 2): 2001 RA 2017    | µg/m <sup>3</sup> | < 2.00 | Max 80         |
| 4       | Oxides of Nitrogen as NO <sub>2</sub> | IS 5182 (Part 6): 2006 RA 2017    | µg/m <sup>3</sup> | < 2.00 | Max 80         |

Remarks:

\*\*\*End of Report\*\*\*

  
**Shency Joy**  
Dy. TM Chemical  
Checked by:



  
**Laiju P. N.**  
Laboratory Head Authorized Signatory

**Standard<sup>S</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "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: sealab@gmail.com

Copy of result of Air

## Annexure No.7

**TEST REPORT**

|                               |                  |             |
|-------------------------------|------------------|-------------|
| Test Report No: 20201209/R033 | Date: 15.12.2020 | Page 1 of 1 |
|-------------------------------|------------------|-------------|

| CUSTOMER DETAILS        |   |
|-------------------------|---|
| Customer Name & Address | <b>M/s Plakkattu Granite Industries (P) Ltd</b><br>Payyanamon, Konni,<br>Pathanamthitta District. |
| Customer Reference      | Test Request dt 06.01.2021  |

| DETAILS OF MONITORING |                       |                         |                        |
|-----------------------|-----------------------|-------------------------|------------------------|
| Product Category      | Atmospheric Pollution | Sample Code             | 20201209/S033          |
| Sample Name           | Ambient Noise         | Monitoring Commenced on | 09.12.2020 / 06:00     |
| Monitoring Location   | East side boundary    | Monitoring Completed on | 10.12.2020/ 06:00      |
| Test Method           | IS 9989:1981 RA:2008  | Monitored by            | Lab Authorized Sampler |

| MONITORING SITE DETAILS |  |       |        |
|-------------------------|--|-------|--------|
| Survey No.              | 571/1A34-5,571/1A34-4, 571/1A34-4-1, 571/1A12, 571/1A12-56,571/1A13-137, 571/1A12-54-122,571/1A12-54-1,571/1A12-54-2 |       |        |
| Village                 | Konnithazham   | Taluk | Konni  |
| District                | Pathanamthitta   | State | Kerala |

| MONITORING RESULTS - Leq |               |       |               |       |               |
|--------------------------|---------------|-------|---------------|-------|---------------|
| TIME                     | RESULTS dB(A) | TIME  | RESULTS dB(A) | TIME  | RESULTS dB(A) |
| 06:00                    | 37.0          | 14:00 | 49.5          | 22:00 | 35.8          |
| 07:00                    | 39.6          | 15:00 | 49.9          | 23:00 | 34.1          |
| 08:00                    | 43.8          | 16:00 | 51.1          | 24:00 | 36.6          |
| 09:00                    | 47.2          | 17:00 | 51.4          | 01:00 | 37.3          |
| 10:00                    | 49.5          | 18:00 | 46.1          | 02:00 | 37.0          |
| 11:00                    | 52.6          | 19:00 | 42.7          | 03:00 | 37.7          |
| 12:00                    | 49.9          | 20:00 | 38.9          | 04:00 | 36.6          |
| 13:00                    | 49.1          | 21:00 | 38.4          | 05:00 | 38.4          |

| TEST RESULTS- CHEMICALPARAMETERS |                                      |       |        |
|----------------------------------|--------------------------------------|-------|--------|
| Sl. No.                          | PARAMETERS                           | UNIT  | RESULT |
| 1                                | Ambient Sound Level (Leq) Day Time   | dB(A) | 48.0   |
| 2                                | Ambient Sound Level (Leq) Night Time | dB(A) | 36.2   |

Remarks:

\*\*\*End of Report\*\*\*

  
**Shency Joy**  
Dy. TM Chemical



  
**Laiju P. N.**  
Laboratory Head  
Authorized Signatory

Checked by:

**Standard<sup>S</sup> Environmental & Analytical Laboratories**  
Accreditation and Approval: NABL as per ISO 17025: 2017 & "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

Copy of result of Noise Level

## Annexure No.8

**TEST REPORT**

|                               |                  |             |
|-------------------------------|------------------|-------------|
| Test Report No: 20201209/R034 | Date: 15.12.2020 | Page 1 of 2 |
|-------------------------------|------------------|-------------|

**CUSTOMER DETAILS**

|                         |  |
|-------------------------|--|
| Customer Name & Address | <b>M/s Plakkattu Granite Industries (P)Ltd</b><br>Payyanamon, Konni,<br>Pathanamthitta District. |
| Customer Reference      | ---  |

**SAMPLE DETAILS**

|                              |                         |                       |               |
|------------------------------|-------------------------|-----------------------|---------------|
| Product Category             | Water                   | Sample Code           | 20201209/S034 |
| Sample Name                  | Open Well               | Sample Received on    | 10.12.2020    |
| Sample Conditions at Receipt | Fit for Analysis        | Temperature @ Receipt | 30 °C         |
| Sample Quantity & Packing    | 1L & Plastic Bottle     | Test Commenced on     | 11.12.2020    |
| Sampled by                   | Not drawn by laboratory | Test Completed on     | 15.12.2020    |

**SAMPLING SITE DETAILS**

|            |  |       |        |
|------------|--|-------|--------|
| Survey No. | 571/1A34-5, 571/1A34-4, 571/1A34-4-1, 571/1A12, 571/1A12-56, 571/1A13-137, 571/1A12-54-122, 571/1A12-54-1, 571/1A12-54-2 |       |        |
| Village    | Konnithazham   | Taluk | Konni  |
| District   | Pathanamthitta   | State | Kerala |

**TEST RESULTS- CHEMICAL PARAMETERS**

| Sl.No. | PARAMETERS                          | TEST METHOD                    | UNIT  | RESULT    | Requirement as per Acceptable Limit of IS 10500 : 2012 |
|--------|-------------------------------------|--------------------------------|-------|-----------|--|
| 1      | Colour                              | IS 3025 (Part 4):1983 RA 2017  | Hazen | 1.00      | Max 5  |
| 2      | Odour                               | IS 3025 (Part 5):2018          | ---   | Agreeable | Agreeable  |
| 3      | Turbidity                           | IS 3025 (Part 10):1984 RA 2017 | NTU   | 0.20      | Max 1  |
| 4      | pH                                  | IS 3025 (Part 11):1983 RA 2017 | ---   | 7.04      | 6.50 – 8.50  |
| 5      | Conductivity                        | IS 3025 (Part 14):1984 RA 2019 | µS/cm | 131       | ---  |
| 6      | Total Dissolved Solids              | IS 3025 (Part 16):1984 RA 2017 | mg/L  | 83.0      | Max 500  |
| 7      | Total Hardness as CaCO <sub>3</sub> | IS 3025 (Part 21):2009 RA 2019 | mg/L  | 42.0      | Max 200  |
| 8      | Calcium as Ca                       | IS 3025 (Part 40):1991 RA 2019 | mg/L  | 12.8      | Max 75   |
| 9      | Magnesium as Mg                     | IS 3025 (Part 46):1994 RA 2019 | mg/L  | 2.43      | Max 30   |
| 10     | Chloride as Cl                      | IS 3025 (Part 32):1988 RA 2019 | mg/L  | 16.8      | Max 250  |

  
**Shency Joy**  
Dy. TM Chemical

Checked by:

  
**Salini T. S.**  
Microbiologist

Authorized Signatory



  
**Lalju P. N.**  
Laboratory Head  
Authorized Signatory

**Standard<sup>S</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "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

**TEST REPORT**

|                               |                                       |                                |      |             |         |
|-------------------------------|---------------------------------------|--------------------------------|------|-------------|---------|
| Test Report No: 20201209/R034 |                                       | Date: 15.12.2020               |      | Page 2 of 2 |         |
| 11                            | Total Alkalinity as CaCO <sub>3</sub> | IS 3025 (Part 23):1986 RA 2019 | mg/L | 25.4        | Max 200 |
| 12                            | Iron as Fe                            | IS 3025 (Part 53):2003 RA 2019 | mg/L | 0.13        | Max 1   |
| 13                            | Sulphate as SO <sub>4</sub>           | IS 3025 (Part 24):1986 RA 2019 | mg/L | < 1.00      | Max 200 |

**TEST RESULTS - BIOLOGICAL PARAMETERS**

| Sl.No. | PARAMETERS              | TEST METHOD     | UNIT | RESULT         | Requirement as per Acceptable Limit of IS 10500 : 2012 |
|--------|-------------------------|-----------------|------|----------------|--|
| 1      | Total Coliform Bacteria | IS 15185 : 2016 | ---- | Present/100 ml | Absent/100 ml  |
| 2      | E coli                  | IS 15185 : 2016 | ---- | Absent/100 ml  | Absent/100 ml  |

Remarks:

\*\*\*End of Report\*\*\*



  
**Shency Joy**  
 Dy. TM Chemical

Checked by:

  
**Salini T. S.**  
 Microbiologist

Authorized Signatory

  
**Laiju P. N.**  
 Laboratory Head

Authorized Signatory

**Standard<sup>S</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB  
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 Web: www.sealabs.in, E-mail: seaalab@gmail.com

Copy of result of Water