

# **Compliance Report**

**April 2017 September 2017**

**Quarry project of Mr. Jovin George  
Kannur District  
Kerala.**

Dt. 01-06-2018

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

**Ref :- Order No. 01/KNR/2017/DEIAA**

**:- Environmental Clearance No. 04/2017**

**Sub :- Environment Clearance – Quarry project at Thrippangattor Village,  
Thalassery Taluk, Kananur District, Kerala – Compliance Report –  
First half - Reg.**

**Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for **3.7556 Ha.** by order No. **01/KNR/2017/DEIAA**, dated 22-05-2017 by District Environmental Impact Assessment Authority, Kannur, 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,

**Mr. Jovin George**



Encl: - As Above

**Copy to : 1. The Chairman & The Member Secretary**  
State Environment Impact Assessment Authority (SEIAA)  
'Devi Kripa', Pallimukku,  
Pettah P.O., Thiruvananthapuram,  
Kerala – 695 024.

2. DEIAA, Kannur

**COMPLIANCE REPORT  
TO  
THE CONDITIONS  
OF**

**ENVIRONMENTAL CLEARANCE ORDER**

**NO: 01/KNR/2017/ DEIAA**

**Dated : 22-05-2017**

*BY*

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

**FOR**

**BUILDING STONE QUARRY**

**(MINOR MINERAL MINING) PROJECT**

*AT*

**SURVEY NOS. 275/1A**

**MADATHINAMATTATHIL, PALISSERY, TRIPANGOTTUR VILLAGE, THALASEERY  
TALUK, KANNUR DISTRICT, KERALA.**

*BY*

**Mr. JOVIN GEORGE**

**KANNUR DISTRICT, KERALA.**

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**INTRODUCTION**

The quarry project of Jovin George is situated at Survey Nos. 275/1A, Madathinamattathil, Palissery, Thalassery Taluk, Kannur District, Kerala. The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 22-05-2017. 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 **April 2017 - September 2017** is being submitted.

**COMPLIANCE REPORT**  
**(SPECIFIC CONDITIONS)**

**PART A**

**PART - A – SPECIFIC CONDITIONS**

<b>01</b>	<b>A mines manager shall be appointed to control ,direct, manage and supervise the quarrying operations required under the mines Act ,1952</b>	<b>complied</b>
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. As per the Mines Act 1952, the project proponent has appointed a mines manger to control, direct, manage and supervise the quarrying operations. The extraction of minerals did not start in its first half. The lease executed in October 2018.

<b>02</b>	<b>Health and welfare for the persons employed shall be implemented</b>	<b>Being complied</b>
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The project is keeping a First aid box in the project site. In association with Primary Health Centre of Local Self Government, the project proponent has conducted health check up for the labours. Other facility of housing, food, water and sanitation is provided by the project proponent.

<b>03</b>	<b>Controlled blasting should be practiced and blasting shall be done only during day time. The mitigate measures for control of ground vibration to arrest the fly rocks and boulder should be implemented.</b>	<b>Will be Complied</b>
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The project proponent will practice controlled blasting with electric delayed detonator. The blasting time in the quarry is in day time only. No work will be there in the quarry site at Night. The mitigate measures to arrest ground vibration and fly rock is detailed in General condition No.

<b>04</b>	<b>Plantation shall be done which includes a green belt of adequate width around the mining lease area excluding the rocky area, along roads, overburden dumps and non-mineralized area by planting suitable native species in consultation with the local DFO/Agriculture department.</b>	<b>Being Complied</b>
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The project proponent has started to plant various sapling in the project site to develop a green belt around the project area. Avenue tress also planted along the road side to minimise the dust emission. The project has taken the suggestion of agricultural department to plant the native species.

<b>05</b>	<b>The drains should be regularly de silted and maintained properly check dam and gully checks shall be constructed wherever to required to arrest siltation.de siltation shall be done every year before the onset of monsoon</b>	<b>Being Complied</b>
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To arrest the quarry waste entering in to the public drain and stream, the project has constructed De siltation chambers. These chambers will be de silted during summer season.

<b>06</b>	<b>Fencing shall be maintained properly all around the lease area.</b>	<b>Complied</b>
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To demarcate the land, the project has done fencing around the lease area. This was done by barbed metal wire.

<b>07</b>	<b>The CSR need redrafting with inclusion of felt needs of the locality with special emphasize for implementing ground water recharging water recharging techniques in and at the vicinity of the proposed site.</b>	<b>Complied</b>
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The project proponent has redrafted the CSR by including the ground water recharging techniques.

<b>08</b>	<b>Appropriates sign boards should be displayed.</b>	<b>Complied</b>
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The project has installed appropriate sign boards in the project site.

<b>09</b>	<b>The blasting time must be displayed and strictly adhered to.</b>	<b>Complied</b>
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To provide notice to the labours and general public a board containing blasting time has displayed in the project site.

<b>10</b>	<b>Dusty suppression mechanism must be in place.</b>	<b>omplied</b>
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To arrest the emission of dust from the project site, the project has installed sprinklers in the project site. Splasing of water can reduce the dust emission during the time of transportation.

<b>13</b>	<b>A separate small plot to be maintained in the premise to preserve rare and endemic species .If any ,listed in the biodiversity assessment etc.</b>	<b>Being Complied</b>
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The project has started to plant various saplings in the project site. The Project has demarcated a small plot to preserve the endemic species.



<b>14</b>	<b>The PPV values must be less than 10 mm/sec.</b>	<b>Noted</b>
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The project proponent will use controlled blasting by using electric/ordinary delayed detonators. Blasting will be controlled by a qualified person. Therefore the project proponent can limit the PPV under 10 mm/sec

<b>15</b>	<b>The green belt shall be provides around the periphery.</b>	<b>being complied</b>
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The project has provided Green belt around the project area. This will reduce air and noise pollution. .

<b>16</b>	<b>Where the height of the bench formed during earlier workings exceeds the maximum each of the excavator engaged for work, such bench height shall be reduced from top to bottom.</b>	<b>Noted</b>
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The project is yet to start mining operation. The extraction of minerals will be from top to bottom. The maximum height of all benches will be 5 meters.

<b>17</b>	<b>Loose or hanging rock or mineral boulder on the side wall shall be dressed down before engaging persons for work at the bottom of the bench.</b>	<b>Will be Complied</b>
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The project proponent will deploy JCB like vehicles to remove the loose or hanging mineral boulders on the side wall. The labours will work on the bottom bench only after clearing such loose minerals form the side wall.

<b>18</b>	<b>Permanent boundary pillars should be fixed by the proponent before commencing quarrying</b>	<b>complied</b>
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To demarcate the mining area, permanent Boundary pillars were fixed at each bend of the lease area.

<b>19</b>	<b>No quarry blasting to be undertaken and sustained till warning time limit expires and /or when continues 48 hours cumulative rainfall exceeds 8 cm and blasting shall be resumed until 24hrs. of rain free situation arises in the quarry locality based on the evaluation</b>	<b>Noted</b>
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	by the revenue officials.	
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The condition will be complied by the project proponent when such situation arises.

20	All waste dumps and topsoil dumps shall be properly stabilized by using coir mats or bio regeneration .proper drainage system shall be provides so the water is properly diverted away from the dump slopes with no disturbance to the stability of the slopes.	Will be Complied
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The loose dumps will be stabilised by using coir mats or bio regeneration. Proper drainages are under process, which will help to manage the storm water during monsoon season.

21	All dumps slopes shall be sufficiently stabilized by using appropriate species mix of grass .creepers, shrubs & trees. This shall be done in consultation with the forest department and local research institution and experts in stabilization of mine dumps.	Noted
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The overburden and topsoil stacking is progressing, once it is attain its maximum capacity, the project will plant appropriate grass on the dump to prevent sliding and soil erosion.

22	Garland drains of at least 2m width shall be provided all along 7.5 m buffer zone to divert the water from entering the quarrying slopes. These drains shall be cleaned every year before the monsoon season.	Noted
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The project proponent has been constructing garland drain to catch the rain water along 7.5 m buffer zone. This can divert the storm water entering the quarrying slopes.

23	The water from the garlands drainage shall directed to the silt settling ponds. The clarified overflow from silt settling ponds shall be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural watercourse.	Will be Complied
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The condition will be implemented once the project started its mining operation.

<b>24</b>	<b>A retaining wall of stone rubbles with wire mesh, of sufficient width and strength (not less than 2m) shall be constructed at the bottom of the slope of the quarry .lease area to arrest any likely roll of boulders during heavy rainfall.</b>	<b>Will be complied</b>
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The project will construct a retaining wall with stone rubbles at the bottom of the slope. This will prevent sliding and slumping. This will be done at appropriate place in the mining area.

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**HEALTH**

<b>01</b>	<b>First Aid kit provide in the work site. It shall be periodically maintained property .some labourers shall be trained on First Aid.</b>	<b>Being Complied</b>
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The project proponent is keeping first aid box in the project site. The training on first aid will be provided to selected labours.

<b>02</b>	<b>Whole some drinking water should be provided.</b>	<b>Complied</b>
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Drinking water will be available at all time in the project area.

<b>03</b>	<b>Premises should be maintained as wet to suppress the dust.</b>	<b>complied</b>
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The project proponent splashing water on haulage roads and loading and un loading point to reduce the emission of dust

<b>04</b>	<b>Sanitary type of latrines and urinals should be provided.</b>	<b>Complied</b>
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The project proponent has given sanitary type of latrine and urinals to every labours in the project site.

<b>05</b>	<b>Resting place should be provided for workers.</b>	<b>Complied</b>
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To get proper rest to the labours, the project has arranged adequate rest rooms in the project area.

<b>06</b>	<b>'No Smoking' board should be exhibited according to COTPA Act.</b>	<b>Complied</b>
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The project proponent has displayed No smoking area in the project site

<b>07</b>	<b>Work should not be done in night.</b>	<b>Will be Complied</b>
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The working time of quarrying will be in only at the day time. No work will be carried out in the quarry during night time.

<b>08</b>	<b>Details of nearest hospitals, shortest route to hospitals and contact no etc. Should be available.</b>	<b>Complied</b>
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Details of nearest hospital, Fire station, Police station, etc are available in the project site.

<b>09</b>	<b>Approach roads should be maintained properly.</b>	<b>Being complied</b>
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The approach road has been properly maintaining by the project proponent to arrest the dust emission and easy transportation.

<b>10</b>	<b>Over burden should be stored in a planned manner in the designated place. It must be protective support and no soil be taken outside the lease area</b>	<b>Will be Complied</b>
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The overburden and top soil generated during mining operations will stack in planned manner at designated place.

<b>11</b>	<b>The drainage from the quarry should be channelled through a settling tank</b>	<b>Complied</b>
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To prevent the quarry waste entering in to the main stream, the drainage is leading to a settling tank. This helps to prevent the quarry waste.

<b>12</b>	<b>The approach road to the quarry from the main road is not maintained at all. This road must be maintained in good motoroble condition by the proponent</b>	<b>Being complied</b>
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The project proponent is developing the condition of road for hazel free transportation

<b>13</b>	<b>Dust suppression mechanism must be in place</b>	<b>Complied</b>
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To arrest the emission of dust from the project site, the project splashing of water can reduce the dust emission during the time of transportation.

<b>14</b>	<b>Fencing shall be provided at vulnerable points of the quarry to avoid accidents.</b>	<b>Complied</b>
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As part of lease area demarcation, the project proponent has erected facing around the project area, this will help to avoid possible accidents

<b>15</b>	<b>Sign boards should be fixed in the proper places</b>	<b>Complied</b>
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The project proponent has fixed necessary sign boards in the project site.

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**



**PART – B – GENERAL CONDITION**

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

As part of water conservation and to collect rain water from the entire mining area, the project will develop one rain water harvesting pond in the quarrying area. The storm water flow is leading to the pond through natural drainage. The work o rain water harvesting will start after lease execution.

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

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent will form an Environmental Monitoring Cell (EMC) with Mr. Jovin Geeorge as head of the monitoring cell. The EMC meeting will be convened regularly for a sustainable environment.

<b>03</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>Complied</b>
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**Compliance:**

The green belt can reduce the adverse effect of mining industry. To reduce air and noise pollution, the project proponent has planted few avenue trees along either side of the road. There is natural vegetation including teak trees are presents in the sides of road and parking area.

<b>04</b>	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	<b>Will be Complied</b>
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The project is intending to use maximum renewable energy to reduce electrical consumption from KSEB. As part of this, the project proponent is yet to install a solar street light in the project site.

**Compliance:**

<b>05</b>	Sprinklers shall be installed and used in the project site to contain dust emissions.	<b>Being Complied</b>
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**Compliance:**

To prevent dust emissions from the road while transportation of materials, the project does splashes the haulage road and critical areas with the help of vehicles in regular intervals.

<b>06</b>	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	<b>Will be complied</b>
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**Compliance:**

Eco restoration is 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.

<b>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>Will be complied</b>
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**Compliance:**

The proponent has initiated steps to plant indigenous species as part of concurrent eco restoration. The project will retain 10 percent of total excavated pit as rain water storage area after closure of the mine. 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.

<b>08</b>	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	<b>Will be Complied</b>
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**Compliance:**

As part of inclusive growth of the community, the project proponent is intending to execute activities under Corporate Social Responsibility of the firm.

<b>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>Being Complied</b>
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**Compliance:**

As part of clear demarcation and to prevent falling of animals/human being/dumping of garbage etc, the project installed fencing around the area where Environmental Clearance obtained. The complete installation of barbed metal wire fencing around the mining area with height of 5 ft will be completed.

<b>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>Will be complied</b>
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**Compliance:**

To comply condition stipulated by Explosive department and Environmental clearance order, the project proponent has initiated steps to install warning alarms in the quarry site. As the part of this, the project proponent is yet to install a warning alarms in the quarry site.

<b>11</b>	Control measures on noise and vibration prescribed by KSPCB should be implemented.	<b>Will be Complied</b>
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All possible measures will be taken to limit the vibration and noise under standard level.

<b>12</b>	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	<b>Will be Complied</b>
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**Compliance:**

To reduce the adverse impact of the quarry to the local community, quarrying activities are limited to day time only as per KSPCB guidelines. The proposed working time of the quarry will be from 7.00am to 5.00 pm.

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

The blasting will be done in controlled manner by using ordinary/electric delayed detonators. All blasting activities will carried out under the supervision of qualified persons with the specified regulations of explosive department.

<b>14</b>	A licensed person should supervise/control the blasting operations.	<b>Complied</b>
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**Compliance:**

The project has appointed a mining mate, who will supervise/control the blasting operations for the exploitation of minor minerals from the project site.

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

To contain dust emissions, the project has been maintaining the access roads to the quarry site. The road is yet to be tarred. The project splashes water on the road to arrest the dust production during summer season.

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

The Over burden and top soil will be used for plantation, haulage roads and land filling in the mining area. No overburden will let out from the project site. The staked overburden will be used for eco -restoration during the closure phase of mine.

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

To enhance the safety and environment sustainability, the project will explore the minerals by creating benches. The benches will not exceed 5 -6 meters of height. The width of the bench is having minimum of 5 meters.

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

The project proponent will ordinary/electric delayed detonator. The blasting will be under the supervision of qualified person. The blasting through delayed detonators can reduce the incident of fly rock. The project will assure PPV will be under 10 in all blasting.

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

The project proponent will follow the approved mining plan for the exploration of building stone. Therefore mining depth will not exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less.

<b>20</b>	No mining operations should be carried out at places having a slope greater than 45 <sup>0</sup> .	<b>Noted</b>
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**Compliance:**

All section in the mining area is under the prescribed degree of slope therefore No mining operation is carried out with a slope greater than 45<sup>0</sup>.

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.	<b>Being Complied</b>
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**Compliance:**

To reduce the impact of sound to the labours in the mine, the project has provided ear plugs. All machines are new. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards.

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

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

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

The project proponent ensured that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent has initiated steps to create



garland drains where it is necessary in the lower slopes of the project area for storm water management.

<b>24</b>	The transportation of minerals should be done in covered trucks to contain dust emissions.	<b>Will be complied</b>
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**Compliance:**

The project did not start the mining activity from the instant project. The project will be taken care to send the trucks with proper covering.

<b>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>Being complied</b>
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**Compliance:**

The project proponent has started to clear the lands by removing trees. The project will plant various saplings as compensation.

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

At present there is no used oil in the site. The volume of used oil can be used as lubricant in the project site, the excess used oil will be sold only to the approved recyclers.

27	Explosives should be stored in magazines in isolated place specified and approved by the explosives department.	<b>complied</b>
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**Compliance:**

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

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

To keep a safe zone to the residents, community resource and public infrastructure, the norms of Kerala State Pollution Control Board regarding the distance criteria of houses, roads, rivers and worship places is adhered by the project. There is 143 meter distance to the nearest house from the boundary of mining area.

29	100 m buffer distance should be maintained from forest boundaries.	<b>Complied</b>
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**Compliance:**

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

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

<b>31</b>	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.	<b>Complied</b>
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**Compliance:**

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

- **Environmental Clearance order**
- **Consent to Operate from Prolusion Control Board**
- **Explosive License**
- **D & O License for quarry operations**
- **Mining lease from Mining and geology**

<b>32</b>	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 environemental 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.	<b>Will be complied</b>
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**Compliance:**

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

<b>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>Noted</b>
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**Compliance:**

To enhance environmental sustainability and conserve natural resources, the project is willing to add all possible additional safe guard measures subsequently if the authority found necessary.

<b>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>Noted</b>
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**Compliance:**

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

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

<b>35</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>Complied</b>
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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.

<b>35</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>Complied</b>
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**Compliance:**

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

<b>36</b>	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.	<b>Complied</b>
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**Compliance:**

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

<b>37</b>	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.	<b>complied</b>
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**Compliance:**

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

<b>38</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>Complied</b>
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**Compliance:**

An assurance in the form of affidavit was already submitted to DEIAA

<b>39</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>Noted</b>
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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.

<b>40</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>Noted</b>
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The project proponent will take all necessary safeguards to prevent contamination of stream as well as ground water. 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. There is no stream originating from the mining area.

<b>41</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 & transfer point to reduce fugitive emissions.	<b>Complied</b>
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The project proponent will monitor the ambient air quality as per National Ambient Air quality Standard (NAQQS). The project has increased the splashing of water and installed sprinklers at loading, unloading and transfer points. This activity can reduce the fugitive emission of dust

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

43	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.	<b>Will be complied</b>
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The project proponent has initiated steps to construct effective garland drains to catch all the storm water during the time of monsoon season. These channels will be directed to the rain water collection pond. All sediments and silts will be settled at the bottom of the pond and only cleared water let out. The water from the pond can be used for splashing of water on roads to arrest the dust.



44	<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>Will be complied</b>
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The project proponent is regularly spraying water in critical areas prone to air pollution with the help of vehicle and sprinklers. The project proponent will increase the number of sprinklers in critical area to reduce the dust emission such as loading and un - loading points, haul roads and transfer points.

45	<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>Will be complied</b>
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The project proponent will splash water in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points.. The sprinklers and vehicle for water spraying will be properly maintained.

46	<b>Measures should be taken for control of noise levels below 85 dBA in the work environment.</b>	<b>Complied</b>
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The main sound generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The level noise from all these activities will not go beyond 85dBA. The project proponent will take appropriate action to reduce the sound by employing possible measures.

47	<b>A separate Environmental Management Cell with suitable qualified personal should be set up under the control of a senior executive,</b>	<b>Will be Complied</b>
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	<b>who will report directly to the Head of the Organization.</b>	
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To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project will constitute an Environment Monitoring Cell This cell will concurrently monitor and evaluate the safeguard measures implemented in the project site.

<b>48</b>	<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>Will b e complied</b>
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The project proponent will start its activities under CSR after the execution of lease. The amount earmarked for environmental protection and CSR will keep in a separate account. This will help to execute more activities under Corporate Social Responsibility (CSR) for community development.

<b>49</b>	<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>Will be complied</b>
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The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project 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 the same.

<b>50</b>	<b>Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as</b>	<b>Noted</b>
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	<b>prescribed under section 16 of the National Green tribunal Act, 2010.</b>	
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<b>51</b>	<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>
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<b>52</b>	<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 stipulate any further condition in the interest of environment protection.</b>	<b>Will be complied</b>
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The project proponent has been implementing conditions stipulated in this Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

<b>53</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>Will be complied</b>
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The project will give priority to the conditions stipulated in the Environment clearance Order.

54	<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>
55	<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>
56	<b>The mining operation shall be restricted to above ground water table and is should not intersect ground water table.</b>	<b>Will be complied</b>

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

57	<b>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.</b>	<b>Will be complied</b>
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As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring will be conducted only in authorized pollution checking center.

58	<b>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.</b>	<b>Noted</b>
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At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

59	<b>Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahsflowing in and around the mine lease area shall be carried out and reported in the</b>	<b>Will be complied</b>
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	<b>six monthly report to SEIAA.</b>	
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There is no stream or springs flowing in and around to the mine lease area. The project will install de siltation trap and other mechanism to prevent sediments and wastes from the mining area entering in to the public drainage system.

<b>60</b>	<b>Occupational health surveillance programe of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</b>	<b>being complied</b>
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The project proponent has initiated steps an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala government for the labours working in mining area and crusher.

# **ANNEXURE**

## Annexure No.1

**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/KNR/ICE/1915/2014  
Date of issue :23/05/2017

**INTEGRATED CONSENT TO OPERATE - RENEWAL**

Consent No : PCB/KNR/ICO-R/360/2017

Ref : 1. Consent No:PCB/KNR/ICO/447/2014 Dated: 04/11/2014.  
2. Your application dated 17/05/2017.

The 'Integrated Consent to Operate' issued as per reference above to M/s Quarry owned by: Sri. C.G George,Managing Director Pathikal Granites Pvt.Ltd,Panoor is hereby renewed up to 30/04/2020 and issued to M/s QUARRY OWNED BY JOVIN GEORGE,PATHIKAL, POYILOOR.P.O., KANNUR DT - 670693 The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

**I. GENERAL**


S.No.	Items	Description
1	1.4 OCCUPIER DETAILS	Sri. JOVIN GEORGE, MADATHINAMATTATHIL HOUSE, PALISERI, THALASSERY.P.O., THALASSERY, KANNUR DT - 670101
2	1.14 CAPITAL INVESTMENT	40,00,000/-
3	1.1 VALIDITY	30/04/2020
4	1.12 FEE REMITTED/YEAR	6560/-
5	1.13 TOTAL FEE REMITTED	19680/-
6	1.16 ACTIVITY	QUARRYING OF ROCK IN 3.7556 HECTARES
7	1.2 NAME AND ADDRESS OF THE ESTABLISHMENT	QUARRY OWNED BY JOVIN GEORGE,PATHIKAL, POYILOOR.P.O., KANNUR DT - 670693

**II. Stack Details**

Page 1

Copy of Consent form PCB

## Annexure No.2



सत्यमेव जयते

Validity expires on 21.05.2022

**Proceedings of the District Environment Impact Assessment Authority  
Kannur**

*Present: Sri.Mir Mohammed Ali I.A.S, Chairman; Sri. O Jayarajan I.F.S (Rtd), Member  
;Sri.Suneel Pamidi.I.F.S, Member and  
Sri. P.. Gangadaran, Member Secretary.*

Sub: DEIAA- Environmental clearance for the proposed Quarry project of Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O. for an area of 3.7556Hectares in Survey No. 275/1A of Tripangottur Village, Thalassery Taluk, Kannur District

**DISTRICT ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY, KANNUR**

No. 01/KNR/2017/DEIAA Dated, 22/05/2017, Kannur

Ref: 1. Online Application dated 17/01/2017 from Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O.

2. Minutes of the 3<sup>rd</sup> meeting of DEAC held on 17/03/2017.


3. Minutes of the 5<sup>th</sup> meeting of DEAC held on 04/05/2017.

4. Minutes of the 6<sup>th</sup> meeting of DEIAA held on 19/05/2017.

**ENVIRONMENTAL CLEARANCE NO. 04/2017**

Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O. Kannur District ,Kerala vide his application received on 17/01/2017 , has sought Environmental Clearance under EIA Notification, 2006 for the quarry project of an for an area of 3.7556Hectares in Survey No. 275/1A of Tripangottur Village, Thalassery Taluk, Kannur District . The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18<sup>th</sup> May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dtd. 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares. As per gazette notification no SO 190(E)dtd 20/01/2016, Government of India and GO(Ms)no.05/2016/Envtd 04/04/2016, Govt:of Kerala DEIAA and DEAC constituted for considering the applications for environmental clearance less than 5 hectares in individual cases and 25 hectares in cluster

The proposed project site falls within Latitude: 11°47'50.59"N to 11°47'59.02"N and longitude 75°40'41.61"E to 75°40'51.60"E". The land area consists of 3.7556hectares, which is private land. The land use classification as per revenue records is



Page 1 of 5

Copy of Environmental Clearance



## Annexure No. 3

Transferred from C G George joint Mg Partner

**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 magazine

अनुज्ञप्ति सं. (Licence No.): E/SE/KL/22/18(E85231)  
वार्षिक फीस रूप (Annual Fee Rs): 2400/-

1. Licence is hereby granted to  
**JOVIN GEORGE (अधिगामी / Occupier : JOVIN GEORGE)**, Madathinamattathil House, Palisseri, Thalassery P.O., Thalassery, Kannur, Town/Village - Palisseri, District-KANNUR, State-Kerala, Pincode - 670101

को अनुज्ञप्ति अनुदत्त की जाती है।

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

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

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. सं. 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 and/or Ordinary Detonators	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] : 10 times  
(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (e)] : as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्ति परिसर की पुष्टि होती है। : रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/18(E85231)  
The licensed premises shall conform to the following drawing(s) : दिनांक (Dated) 10/07/2017

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:  
Survey No. 275/1A, ग्राम (Town/Village) : Tripangottur  
पुलिस थाना (Police Station) : Kolavalloor  
जिला (District) : KANNUR राज्य (State) : Kerala पिनकोड (Pincode) : 670693  
दूरभाष (Phone) : 9447485245 ई.मेल (E-Mail) : फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं। : Two cemented magazines  
The licensed premises consist of following facilities.

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.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2019 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2019.  
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 अधिकमण करने या यदि अनुज्ञप्ति परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंझत 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.

तारीख | The Date - 05/03/2015

उप मुख्य विस्फोटक नियंत्रक | Dy. Chief Controller of Explosives  
कुर्ते उप मुख्य विस्फोटक Ernakulam  
For Deputy Chief Controller of Explosives  
एरनाकुलम Ernakulam

**Amendments :**  
• Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/03/2016

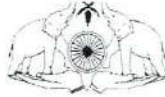
**Transfers :**  
• Change in Licensee Name/Address/Status dated : 10/07/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal

नवीनीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp

Copy of Explosive

Annexure No. 4



ലൈസൻസ് നമ്പർ ബി3. 2741/2017 തീയതി 26-09-2017  
 തൃപ്രങ്ങോട്ടൂർ ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും  
 1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് ( 1994 ലെ 13 ) 232, 233, 234, 254 എന്നീ  
 വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നൽകുന്ന  
**ഡി & ഒ ലൈസൻസ്**


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ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ജോവിൻ ജോർജ്ജ് മടത്തിനാമറ്റത്തിൽ, പാലിശ്ശേരി തലശ്ശേരി പി.ഒ
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	275/1എ നരിക്കോട്മല
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ ഖനനം നടത്തുന്നതിന്
കെട്ടിട നമ്പരും വാർഡ് നമ്പരും	റിസ നമ്പർ 275 /1എ തൃപ്രങ്ങോട്ടൂർ വില്ലേജ്
ലൈസൻസ് കാലയളവ്	26-09-2017 മുതൽ 31-03-2018 വരെ
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	2500/-11170110102451 തീയതി 26 -09-2017

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ലൈസൻസ് അനുവദിക്കുന്നതിനായി  
 ഹാജരാക്കിയ നിരാകേഷപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ  
 ( നമ്പർ, തീയതി, കാലയളവ്,  
 നൽകിയ അധികാര സ്ഥാനം)

1. ഡിസ്ട്രിക്റ്റ് എൻവയൺമെന്റിൽ ഇപ്പാക്ട് അഡ്മിനിസ്ട്രേഷൻ അതോറിറ്റി യുടെ 22-05-2017 തീയതിയിലെ 01/KNR/2017DEIAA നമ്പർ അനുമതി.
2. കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡിന്റെ 23-05-2017 ലെ PCB/KNR/ICE/1915/2014
3. മൈനിംഗ് ആന്റ് ജിയോളജി ഡിപ്പാർട്ട്മെന്റിൽ നിന്നും 17-10-2016 ലെ 8825/M3/2016 നമ്പർ ലൈറ്റർ ഓഫ് ഇന്റർ.
4. ചീഫ് കൺട്രോളർ ഓഫ് ഏക്സ്പ്ലോസിവ് അധികൃതരുടെ അനുമതി.
5. തൃപ്രങ്ങോട്ടൂർ വില്ലേജ് ഓഫീസറുടെ 13-07-2017 ലെ 26205974 നമ്പർ കൈവശാവകാശ സർട്ടിഫിക്കറ്റ്.
6. തൃപ്രങ്ങോട്ടൂർ പ്രാഥമിക ആരോഗ്യ കേന്ദ്രം ഹെൽത്ത് ഇൻസ്പെക്ടറുടെ ശുചിത്വ സർട്ടിഫിക്കറ്റ്.
7. ക്വാറി നടത്താനുദ്ദേശിക്കുന്ന സർവ്വേ മാപ്പ്
8. പാഠപാട്ടിക്കുന്ന ആളുടെ വൈദഗ്ധ്യം സംബന്ധിച്ചുള്ള സർട്ടിഫിക്കറ്റ്
9. സ്ഥല ഉടമസ്ഥന്റെ സമ്മത പത്രം





**T. P. MUSTHAFA**  
 SECRETARY  
 TRIPRANGOTTOR GRAMA PANCHAYAT  
 P.O. KALLIKKUDY KANNUR (DIST)  
 Ph. 944711126

സെക്രട്ടറി  
 ഗ്രാമപഞ്ചായത്ത്

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## Annexure No.5

## PROCEEDINGS OF THE DIRECTOR OF MINING &amp; GEOLOGY

*Sub:* Mining & Geology - Mines & Minerals - Minor Minerals – Granite Building Stone – Quarrying Lease to **Shri. Jovin George, Madathinamattathil House, Palisseri, Thalassery. P. O, Kannur District – 670 101** –sanctioned – orders – issued.

- Ref.* 1. Application dtd. 21/02/2017 from **Shri. Jovin George, Madathinamattathil House, Palisseri, Thalassery. P. O, Kannur District – 670 101**  
 2. Letter No. DOC/M-5353/2016 dtd. 30/08/2016 from the Geologist, District Office, Kannur  
 3. Pro.order. No. 01/KNR/2017/DEIAA dtd. 22/05/2017 of the District Environment Impact Assessment Authority, Kannur, Kerala  
 4. Kerala Minor Mineral Concession Rules, 2015.

No. 409/2017-18/8825/M3/2016/DMG

Dated, Thiruvananthapuram 04/10/2017

**ORDER**

A quarrying lease is granted to **Shri. Jovin George, Madathinamattathil House, Palisseri, Thalassery. P. O, Kannur District – 670 101** to quarry **Granite (Building Stone)** over an area of **3.7566 Hectares** of land comprised in **Re - Sy. No. 275/1A of Tripangottur Village, Thalassery Taluk, Kannur District for 12 (Twelve) years** from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the **Tahsildar, Thalassery** and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

1. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
5. The lessee shall also deposit an amount of Rs 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
8. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to **1,40,000 Metric Tonnes** per year.
9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable), Area of extraction permitted, explosives used (if any), etc.  
 (ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, 100 metres away by the side of the road leading to it.
10. The lessee shall fence the lease area before the commencement of the quarrying operation for preventing accidents by falling of human beings, animals, vehicles or any materials into

Copy of Lease