

COMPLIANCE REPORT

APRIL 2021 - SEPTEMBER 2021

QUARRY PROJECT OF
**M/s SRI LAKSHMI STONE
CRUSHER**

**Kannur District
Kerala**

M/s SRI LAKSHMI STONE CRUSHER

BUILDING NO.VIII/14, 27TH MILE, PO POOLAKUTTY, NEDUMPOYIL
KANNUR, KERALA-670650 Ph:0490-2448400

Dt. 14-12-2021

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

Ref :- File No. 09/KNR/2017/ DEIAA

**Sub :- Environment Clearance – Quarry project at Survey No. 1561,
Kanichar Village, Iritty Taluk, Kannur District, Kerala – Compliance
Report – First half - Reg.**

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 0.9898 Ha. by order No. 09/KNR/2017/ DEIAA dated 01-07-2017 by District Environmental Impact Assessment Authority, Kannur, Kerala. The compliance report of **First half (April 2021 – September 2021)** to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,
Yours respectfully,



M/s. Sri Lakshmi Stone Crusher

Copy to

1. SEIAA , Thiruvananthapuram
2. RDO - Kannur

Encl: - As Above

**COMPLIANCE REPORT
TO
THE CONDITIONS
OF
ENVIRONMENTAL CLEARANCE ORDER
NO: 09/KNR/2017/ DEIAA
Dated: 01-07-2017**

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

AT
**SURVEY NO. 1561
KANICHAR VILLAGE, IRITTY TALUK,
KANNUR DISTRICT, KERALA**

BY
**M/s. SRI LAKSHMI STONE CRUSHER
KANNUR DISTRICT
KERALA**

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INTRODUCTION

Quarry project of **M/s. Sri Lakshmi Stone Crusher** is situated at Survey No. 1561, Kanichar Village, Iritty Taluk, Kannur District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by District Environmental Impact Assessment Authority (DEIAA), Kannur on 01-07-2017. 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 First half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2021 – September 2021** is being submitted.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	A mines manager shall be appointed to control ,direct, manage and supervise the quarrying operations required under the mines Act ,1952	complied
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As per the Mines Act 1952, the project proponent has appointed a mines manager to control, direct, manage and supervise the quarrying operations. The certificate of Mines engineer and Form D is attached as **Annexure No 9**.

02	Health and welfare for the persons employed shall be implemented	complied
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The project proponent 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.

03	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.	Complied
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The blasting is done in controlled manner by using ordinary delayed detonators to reduce ground vibration. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency. 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 11. The blasting time in the quarry is in day time at 9.00-10.30 am, 2-3 pm and 4.00 - 5.30pm.

04	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-	Complied
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	mineralized area by planting suitable native species in consultation with the local DFO/Agriculture department.	
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The project proponent has planted various saplings in the project site to develop a green belt around the project area. Avenue trees also planted along the road side to minimise the dust emission. The project proponent has taken the suggestion of agricultural department to plant the native species. Photograph of plantation is attached as **Plate No.2**

05	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	Complied
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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 has been regularly de silted during summer season.

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

07	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.	Complied
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The project proponent has redrafted the CSR by including the ground water recharging techniques.

08	Appropriate sign boards should be displayed.	Complied
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To give warning to the labours and community people prior to the blasting in quarry, the project proponent installed warning alarms as per the stipulation of Explosive department in the quarry site. To aware the labours and general public about the blasting a board containing blasting time has displayed in the project site.

09	The blasting time must be displayed and strictly adhered to.	Complied
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To give notice to the labours and community people prior to the blasting in quarry, the project proponent installed a board showing the blasting time in the quarry site. The blasting time is 9.00-10.30 am, 2-3 pm and 4.00 - 5.30pm. The photograph of the board showing blasting time is attached as **Plate No.4**

10	Dust suppression mechanism must be in place.	Complied
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The project proponent splashes the haulage road and critical areas with the help of vehicles in regular intervals to arrest dust emissions from the road while transportation of materials.

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

14	The PPV values must be less than 10 mm/sec.	Noted
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The project proponent is using ordinary delayed detonator for blasting therefore there is no incident of fly rock is happened in the community. The project proponent is also assuring the maximum PPV is under 10 during the time of blasting.

15	The green belt shall be provides around the periphery.	Complied
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The project proponent has provided Green belt around the project area. This will reduce air and noise pollution.

16	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.	Noted
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The quarrying activity in the project site is progressing by creating benches of 5m width and 5m height. The extraction of minerals is from top to bottom. The exploration done as per the plan submitted before District Environment Impact Assessment Authority (DEIAA), Kannur.

17	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.	Complied
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The labours works on the bottom bench only after clearing loose minerals from the side wall. The vehicles like JCB, breakers are used to remove the loose or hanging mineral boulders in the project site.

18	Permanent boundary pillars should be fixed by the proponent before commencing quarrying	complied
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Boundary pillars are fixed permanent in the project site before commencing quarrying to demarcate the project site.

19	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 by the revenue officials.	Noted
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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. 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.	Complied
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The waste dumps and topsoil dumps are being stabilised by bio regeneration. Proper drainages are constructed by the project proponent, which will help to manage the storm water to prevent soil erosion from the dump 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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Overburden is an inevitable by-product of building stone quarry. The overburden materials are stored within the site at designated place. The project proponent has planted 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 initiated steps to construct storm water drains in the lower slopes of the project area for effective management of storm water. This helps to channelize the storm water to the rain water collection pond and the most of the debris will be settled down in the bottom of the pond.

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.	Complied
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The water from the garlands drainage is directing to the silt settling ponds. The construction of RWH pond is almost constructed. The clarified overflow from silt settling ponds will be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural watercourse.

24	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.	complied
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A retaining wall of laterite stone, of sufficient width and strength (not less than 2m) is being constructed at the bottom of the slope of the quarry lease area to arrest any likely roll of boulders during heavy rainfall.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

HEALTH

01	First Aid kit provide in the work site. It shall be periodically maintained properly .some labourers shall be trained on First Aid.	Complied
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The project proponent is keeping first aid box in the project site. The project proponent has given training for the selected labours in the project site to use first aid box. The first aid kit is periodically maintained. Photograph showing First Aid Box is attached as **Plate no.11**

02	Whole some drinking water should be provided.	Complied
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Pure drinking water is available at all time for everyone in the project site.

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

04	Sanitary type of latrines and urinals should be provided.	Complied
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The project proponent gives importance to the sanitary needs of workers in the project site. So the project proponent has given sanitary type of latrine and urinals to every labour in the project site.

05	Resting place should be provided for workers.	Complied
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The project proponent has provided adequate rest rooms in the project area to get proper rest to the labours. **Plate No. 6** shows the photograph of resting room.

06	'No Smoking' board should be exhibited according to COTPA Act.	Complied
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The project proponent has displayed No smoking area in the project site. Photograph of the no smoking board is provided at **Plate No. 7**

07	Work should not be done in night.	Complied
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The quarrying activities are limited to day time only as per KSPCB guidelines in order to reduce the inconvenience of community. The working time of quarry is from 7 am to 6 pm.

08	Details of nearest hospitals, shortest route to hospitals and contact no etc. Should be available.	Complied
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In the project site Details of nearest hospital, Fire station, Police station, etc are available. **Plate No. 8** shows the photograph of details of emergency contact numbers.

09	Approach roads should be maintained properly.	complied
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To arrest the dust emission and easy transportation the approach road has been properly maintaining by the project proponent in the project site.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITION

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

Rain water harvesting is a mitigation measure prescribed in Environment Management Plan. To collect rain water from the entire project land, the proponent has developed two rain water harvesting pond in the quarrying area. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system). The photograph showing the rain water collection pond in the project area is attached in **Plate No 12**.

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

The project proponent has constituted an EMC with Mr. C G George as head of the cell. The meetings of the cell convened periodically and evaluate the activities towards the stipulations of Environmental Clearance order. The details of the monitoring cell are given below in the **Table No.1**. The NABET accredited consultant helps the company to upkeep the environment friendly mining

Table 1 - Environmental Monitoring Cell (EMC)

Sl. No.	Post	Name
1	Head of monitoring cell	C G George
2	Member	Nigil
3	Member	Chandrasekhar G P

03	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Complied
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Compliance:

The green belt can reduce the adverse effect of mining industry. To reduce air and noise pollution, the project proponent has planted various avenue trees along either side of the road. There are natural vegetations including trees, shrubs, herbs and climbers also present in the sides of road and parking area. Photograph of plants along either side of the road is shown in **Plate No. 1**. Bill copies of purchase of plants is attached as **Annexure No. 13**

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

The installation of solar can reduce the consumption from conventional sources therefore the project proponent has installed solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. The lights are maintained by the project proponent effectively. Photograph of solar panel is attached as **Plate No. 16**

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

To reduce air pollution and 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. The sprinklers are also installed in the critical area to reduce the dust emission. The photograph of the sprinklers is attached as **Plate No.2**.

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

As part of eco restoration, the project proponent has started to plant various saplings within the project area. The mine closure plan will be done at own cost of project proponent as agreed in the proposal.

07	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.	Noted
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Compliance:

The project proponent 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 proponent has initiated steps to plant indigenous species as part of concurrent eco restoration.

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

The project proponent has carrying out many activities for social integration and community development. The activities under Corporate Social Responsibility (CSR)/ Corporate Environmental Responsibility (CER) activities are executed in the sector of Housing. The details are given below in the table.

Table No.2 – CSR/CER Details

DATE	ACTIVITIES	Amount spent in Rs.
20/05/2021	Covid relief Kit	9864
20/05/2021	Covid relief Kit	2300
27/6/2021	Thankamma laksham veed colony	5000
16/6/2021	Deepesh , Thayyil, Narikodemala	35000
19/6/2021	Dharappan , 27TH Mile, Poolakutty	35000
Total		87164

09	The lease area shall be fenced off with barbed wires to a maximum height of 4ft around, before starting of mining. All the boundary	Complied
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	indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.	
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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. All the boundary indicators (boards, stores, markings etc) will be protected at all times and shall be conspicuous. The photograph of barbed metal wire fencing is provided in **Plate No.15**.

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

The alarm can intimate the general public and labours that the blasting is going to happen. As per the stipulation of Explosive department and State Environment Impact Assessment Authority the project proponent has installed warning alarms (Siren) in the quarry site. Siren is blown before and after blasting regularly. Photograph of siren is attached as **plate No. 17**

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

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

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.

- Personal protective devices i.e., 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 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.

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

To reduce the adverse effect of Quarrying activities in the community, the mining activity will limit to day time as per KSPCB guidelines. The quarry working time is 7.00am to 6.00 pm. This will help to limit the sound pollution.

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

The project proponent has appointed a license person to supervise and monitor all the activities carrying out in the project site. The blasting is done in controlled manner by using ordinary/electrical delayed detonators. All blasting activities are carrying out with the specified regulations of explosive department. The blasting time is displayed in the sign board and all blasting happens in the specified timings. The blasting time in the quarry is in day time at 9.00-10.30 am, 2-3 pm and 4.00 - 5.30pm. The photograph of the board showing blasting time is attached as **Plate No.4**

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

The project proponent has appointed a mines manager to supervise/control the blasting operations for the exploitation of minor minerals from the project site. The certificate of Mines engineer and Form D is attached as **Annexure No 8**.

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

To contain dust emissions and for the trouble free transportation of materials, the project proponent has tarred the access road of 1 km 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. The photograph of road is attached as **Plate No.13**.

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

The overburden and topsoil extracted during the time of mining, these natural resources is stacked in the project site. This is being used for plantation, haulage roads and land filling in the mining area. To prevent soil erosion grass is planted on the overburden and topsoil. Photograph showing Over Burden is attached as **Plate no.14**

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

To enhance safety and conserve environment, the project proponent extracted the minerals by creating benches. The benches will not exceed 5 meters of height and

the width of the bench will have minimum of 5 meters. **Plate No.8** showing the work progressing in the quarry area. The photograph of the benches is attached as **Plate No. 3**

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

The mat is using during blasting time to prevent fly rock. The correct quantity of explosive is used under the supervision of qualified person. The project is using NONEL technology and ordinary detonator for blasting. Therefore there is no issue with fly rock in the community.

19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Noted
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Compliance:

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

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

No mining operation is carried out with a slope greater than 45°.

21	Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Complied
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Compliance:

To reduce the impact of sound to the labours in the mine, the project proponent 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. There is no crusher unit in the project site.

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

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, safety shoes, gloves, etc. to the labours in working site as part of safety. Photograph of workers with personal protective equipments is attached as **Plate No. 18**.

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

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

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

The project proponent assures the trucks are covered before it leaving the project site to arrest the dust emission while transportation of materials. Photograph of covered truck is attached as **Plate No. 19**

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

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

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

The project proponent is using the used oil as lubricant for shutters and other equipments. The excess have been sold to agencies approved by Pollution Control board.

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

As per the stipulation of competent authority, the project proponent has storing the explosives in magazine. The magazine was situated in an isolated place specified and approved by the explosives department. The photograph of the magazine is attached as **Plate No. 9**

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

To prevent possible fly rock and vibration to nearby houses, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project.

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

There is no forest near to the project site.

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

The project 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. The consent is attached as **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
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Compliance:

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

TABLE 3 – APPROVALS FROM COMPETENT AUTHORITIES

Name of the Statutory approval	Name of the Statutory authority
“ <i>Consent to Operate</i> ”	Kerala State Pollution Control Board
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala
License for quarry operations	Gram Panchayath
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
Permit 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	Noted
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	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.	
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Compliance:

At present 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.

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

The project 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	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, The Environment (Protection) Act, 1986 the public liability (Insurance) Act, 1991 and EIA notification, 2006.	Noted
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Compliance:

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

➤ Kerala Minor Mineral Concession Rules, 2015.

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

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

An advertisement in two local newspapers regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.6**. The details of the news papers are given in the **Table No.4**.

Table No.4- Details of advertisement in news papers

Sl. No.	News paper	Language	Date of edition
1	Mangalam	Malayalam	21-10-2017
2	The Hindu	English	21-10-2017

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

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions/ representation from anywhere while the processing the proposal therefore did not give the copy of clearance letter to anyone. The project proponent does not have a website this will be created soon. The copy of the acknowledgement is attached as **Annexure No.7**

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

The compliance report is being submitted along with the results of monitored data to the District Environmental Impact assessment Authority, Kannur, State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The Monitoring result of ambient air. Sound and water is attached as **Annexure Nos. 10, 11 & 12.**

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

The detail of the Environmental Clearance has display on metallic board in the project site. The metallic board installed as specified in the conditions of Environmental Clearance order. The photograph of the metallic board is provided at **Plate No.10.**

39	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	Complied
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Compliance:

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

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

The project proponent is not intending to expand the area of mine, technology and scope of working. The project proponent will appear SEIAA for Environment Clearance if the project wants to expand its scope.

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

42	Monitoring of Ambient air Quality to be carried out based on the notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Complied
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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	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 stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	complied
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Compliance:

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only topsoil will be used for plantation.

Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction of District Environment Impact Assessment Authority (DEIAA). The Environment Monitoring Cell will monitor the execution of eco restoration.

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

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

The project proponent splashes water in critical areas prone to air pollution with the help of vehicle and sprinklers regualrly. The project proponent initiated steps to increase the number of sprinklers in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points.

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

The sprinklers and vehicle for water spraying are properly maintained by the project proponent. The project proponent splashes water in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points.

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

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

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

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent constitutes an Environment Monitoring Cell with Mr. C.G George as the head of the Cell.

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

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

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

The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project proponent will extend all possible cooperation to the officers from regional office of MoEF &CC and can produce all data/information/reports when they are asking for the same.

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

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

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

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

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

The project proponent is following approved mining plan for the extraction of building stones. 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 centre. Washing of all vehicles shall be inside the lease area.	complied
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Compliance:

As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring is conducting in authorized pollution checking centre.

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

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

60	Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly report to SEIAA.	Noted
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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 programme of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	complied
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Compliance:

The project proponent has started occupational health surveillance programme in association with Primary Health Centre (PHC) of Kerala government for the labours working in mining area and crusher.

Plates

Plate 1



Bamboo



Planted plantation

Plate 2



Sprinklers in the Quarry Site

Plate 3



Benches in Mining area

Plate 4



Blasting Time

Plate 5



**Sign Boards****Plate 6****Resting Room**

Plate 7



No Smoking Board

Plate 8



Emergency Contact Numbers

Plate 9



Magazine

Plate 10



Metallic Board

Plate 11



F A Box

Plate 12



RWH Pond

Plate 13



Access Road

Plate 14



Over burden

Plate 15



Fencing

Plate 16



Solar

Plate 17



Siren

Plate 18



Personal protective equipments

Plate 19



Covered truck

ANNEXURE

Annexure No.1**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/KNR/ICO/3200/2015

Date of issue :2021-03-26

CONSENT VARIATION ORDER**Consent No : PCB/KNR/ICO-R3-V/424/2016****Ref : Ref :1. CONSENT No: PCB/KNR/ICO/424/2016 dated 20/05/2016.****2. Consent No : PCB/KNR/ICO/424/2016 dated 07/07/2017****3. Consent No : PCB/KNR/ICO-R2/424/2016****Environmental Clearance No.09/KNR/2017/DEIAA dated 01/07/2017****4. Consent No: PCB/KNR/ICO-R3/424/2016****5.Your application no 15516806 dated 26/03/2021**

The ' Integrated Consent to Operate' issued as per reference above to M/s is hereby modified & issued to M/s The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	1.1 VALIDITY	31/03/2022
2	CAPITAL INVESTMENT	39.00lakhs
3	TOTAL FEE REMITTED	7700/-
4	SURVEY NUMBER	1561/138 (old 1561)
5	ACTIVITY	Granite quarrying in 0.8766 Hectare Survey: 1561/138 Village KANICHAR Taluk IRITTY
6	ANNUAL FEE	7700/-

II. CONDITIONS

5.2 Application for the renewal shall be submitted before 31/01/2022 with a valid EC.

5.22 This consent is issued subjected to NOTIFICATION vide No.S.O. 4254(E) dated 27th November, 2020 from MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE and Environmental Clearance 14/2017 by District Environmental Impact Assessment Authority, Kannur letter

No.09/KNR/2017/DEIAA Dated 01-07-2017

5.23. 201m distance is provide for nearest residence so there is a change in the quarrying area from 0.9898 Hectare to 0.8766Hectare.

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

DATE :26/03/2021

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER



ANITA KOYAN Digitally signed
by ANITA KOYAN
Date: 2021.03.26
16:05:04 +05'30'


To

C.G. GEORGE
MANAGING PARTNER
SRILAKSHMI STONE CRUSHER, 27TH MILE POOLAKUTTY.P.O.
NEDUMPOYIL (VIA)
KANNUR DT - 670650

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

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

Annexure No.2



सत्यमेव जयते

Validity expires on 30.06.2020

**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. S Chandrasekar,I.A.S.Member Secretary.*

Sub: DEIAA- Environmental clearance for the proposed Granite (Building Stone) Quarry project of M/s Sri Lakshmi Stone Crusher, 27 Mile, Poolakutty.P.O., Nedumpoyil, Kannur District for an area of 0.9898 Hectares in Survey No. 1561 of Kanichar Village, Iritty Taluk, Kannur District

DISTRICT ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY, KANNUR


No. 09/KNR/2017/DEIAA Dated, 01/07/2017,Kannur

Ref:1. Online Application dated 28/04/2017 from Mr.C.G.george,
Managing Partner,M/s Sri Lakshmi Stone Crusher, 27 Mile,
Poolakutty.P.O., Nedumpoyil.,
2. Minutes of the 5th meeting of DEAC held on 04/05/2017.
3.Minutes of the 6th meeting of DEAC held on 15/06/2017.
4. Minutes of the 7th meeting of DEIAA held on 28/06/2017.

ENVIRONMENTAL CLEARANCE NO. 14/2017

Sri.C.G.George,Managing Partner, M/s Sri Lakshmi Stone Crusher, 27 Mile, Poolakutty P.O., Nedumpoyil, Kannur, Kerala-670650,,vide his application received on 28/04/2017 , has sought Environmental Clearance under EIA Notification, 2006 for the quarry project for an area of 0.9898Hectares in Survey No. 1561 of Kanichar Village, Iritty 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 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) 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/Envr Dtd 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 11°50'50.41"N to 11°50'53.87"N 75°46'54.94"E to 75°46'59.15"EThe land area consists of 0.9898 hectares, which is private land.



Page 1 of 8

Copy of Environmental Clearance

Annexure No. 3


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

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)
(See article 3(a) to (d) of Part 1 of Schedule IV of 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/22/111(E96164)
वार्षिक फीस रूपए (Annual Fee Rs): 2400/-



Licence
Photo

1. Licence is hereby granted to
Shri C.G.George Managing Partner (अधिभोगी / Occupier : Shri. C.G.George), Sree Lakshmi Stone Crusher 27th Mile P.O. Poolakutty,,Nedumpoyil, Town/Village - THALASSERY, District-KANNUR, State-Kerala, Pincode - 670650

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : Partnership Firm

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए : 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 विधिमन्य है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र. Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	125 Kg.
2.	Safety Fuse	6,1	0	1650 Mtrs
3.	Electric and/or Ordinary Detonators	6,3	0	2000 Nos.

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

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पूर्ण होती है।
The licensed premises shall conform to the following drawing(s): . रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/111 : (E96164)
दिनांक (Dated) 06/09/2016

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No. 1561 , ग्राम (Town/Village) : KANICHAR (V), Iritty पोलिस थाना (Police Station) : KELAKAM
जिला (District) KANNUR राज्य (State) Kerala पिनकोड (Pincode) 670650
दूरभाष (Phone) 9446280985 ई. मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities. CONSTRUCTED TYPE C MAGAZINE AS PER SPECIFICATION 2 OF SCHEDULE VII OF EXPLOSIVE RULES 2008 FOR EXPLOSIVES AND DETONATORS.

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबध्दों के अधीन रहते हुए अनुदत्त की जाती है।
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।
Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

2. अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।
Conditions and Additional Conditions of this licence signed by the licensing authority.
3. दूरी प्रारूप DE-2 | Distance Form DE-2.
9. यह अनुज्ञप्ति तारीख 31 मार्च 2017 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2017.

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 - 06/09/2016

उप मुख्य विस्फोटक नियंत्रक | Dy. Chief Controller of
Explosives
Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/11/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/10/2018

Transfers :

- Change in Licensee Name/Address/Status dated : 05/10/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
07/02/2019	31/03/2024	Dy. Chief Controller of Explosives, Ernakulam उप मुख्य विस्फोटक नियंत्रक Deputy Chief Controller of Explosives एरनाकुलम Ernakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दांडिक अपराध होगा।

Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Copy of Explosive

Annexure No. 4



പഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233,234,254 എന്നീ വകുപ്പുകളും അനുബന്ധ ചട്ടങ്ങളും പ്രകാരമുള്ള വ്യവസായങ്ങൾക്കും സംരക്ഷണ പ്രവർത്തനങ്ങൾക്കും മറ്റ് സേവനങ്ങൾക്കും ലൈസൻസ് നൽകൽ

FACTEOS ലൈസൻസ് കണിച്ചാർ ഗ്രാമ പഞ്ചായത്ത്

ലൈസൻസ് നമ്പർ 64/2021-22

തീയതി 03.04 .2021

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ശ്രീ. സി.ജി ജോർജ്ജ്, മാനേജിംഗ് പാർട്ണർ, ശ്രീലക്ഷ്മി സ്റ്റോൺ ക്രഷർ 27ാംമൈൽ പുളക്കുറ്റി പി.ഒ നെടുംപൊയിൽ പിൻ 670650 കണ്ണൂർ ജില്ല കേരളം
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	ശ്രീലക്ഷ്മി സ്റ്റോൺ ക്രഷർ 27ാംമൈൽ പുളക്കുറ്റി പി.ഒ നെടുംപൊയിൽ
ലൈസൻസ് നൽകിയിട്ടുള്ള തരങ്ങൾ	കരിങ്കൽ ഖനനം നടത്തുന്നതിന്
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	സർവ്വേ നമ്പർ 1561 (Area of 0.8766 Hectare in Block No.1 in Re-Survey No.1561/138(1561old) of Kanichar Village
ലൈസൻസ് കാലയളവ്	01.04.2021 മുതൽ 31.03.2026 വരെ
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	75000/-120020102547 തീയതി 06.03.2021 നമ്പർ രശ്മി പ്രകാരം
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ-നമ്പർ, തീയതി, കാലയളവ്.	<ol style="list-style-type: none"> മലിനീകരണ നിയന്ത്രണബോർഡിൽ നിന്നുള്ള സാക്ഷ്യപത്രം No.PCB/KNR/ICO R3-V/424/2016 Valid up to 31.03.2022 കണിച്ചാർ വില്ലേജ് ഓഫീസിൽ നിന്നുള്ള കൈവശാവകാശസർട്ടിഫിക്കറ്റ് നം 54350432 dt.05.02.2021 Certificate from Dy. Chief Controller of Explosives, Ernakulam No.E/SE/KI/22/111(E96164) Valid up to 31.03.2024 മൈനിംഗ് ആൻഡ് ജിയോളജി വകുപ്പിൽ നിന്നുള്ള Letter of Intent No.DOC/M-873/2021 dt. 31.03.2021 Permission from State Environment Impact assessment Authority Kannur Valid up to 01.07.2020 But extended as per The Notification of Gazette of India No. D.L. 33004/99 dt. 18.01.2021 പാറ പൊട്ടിക്കുന്ന ആളുടെ വൈദഗ്ദ്ധ്യം സംബന്ധിച്ച സർട്ടിഫിക്കറ്റ്

PTO

2

കുറിപ്പ്.- നിരാക്ഷേപ സാക്ഷ്യപത്രങ്ങളുടെ കാലാവധി തീരുന്ന മുറയ്ക്ക് ആയവ പുതുക്കി ഹാജരാക്കേണ്ടതാണ്. അല്ലാത്തപക്ഷം ഈ ലൈസൻസിന്റെ കാലാവധി പ്രസ്തുത കാലാവധി തീരുന്ന മുറയ്ക്ക് അവസാനിക്കുന്നതാണ്



BABU THOMAS
SECRETARY,
Kanichar Grama Panchayat
P.O. Kanichar - 670674
Ph: 0489 2412065, 9486049152

Copy of license from Gram Panchayat

Annexure No.5

FORM M

(See sub-rule (2) of rule 9)
(For all type of quarrying permits)
GOVERNMENT OF KERALA
DEPARTMENT OF MINING & GEOLOGY DISTRICT OFFICE
KANNUR
QUARRYING PERMIT FOR EXTRACTION OF GRANITE BUILDING
STONE/LATERITE BUILDING STONE/ORDINARY SAND (OTHER THAN SAND
USED FOR PRESCRIBED PURPOSES)/ORDINARY CLAY/LIME
SHELL/SEASHELL GRANTED UNDER RULES 3(1), 9 AND 10 OF THE KERALA
MINOR MINERAL CONCESSION RULES, 2015,

No. 11/2020-21/ MM/ GS/OS/DOC/M-2372/2020 Dated .12.01.2021

Sri.C G George, Managing Partner, SriLakshmi Stone Crusher, 27th Mile, Poolakutty P O, Kannur-670 650 is hereby permitted to extract and remove **Granite Building Stone** (Name of mineral) from an area of **0.8766 Hectare** in Sy.No. **1561/138 (1561 old)** of **Kanichar** Village of **Iritty** . Taluk of **Kannur** District, Kerala State under rule 3(1) and 9 of the Kerala Minor Mineral Concession Rules, 2015 subject to the conditions mentioned in rule 10.

Quantity of extraction of mineral permitted : **10000 MT**
(Not applicable in the case of CRP System) :
Whether the permit holder opted CRP System : **No**
Number of mineral transit passes to be issued : **1250 Nos**
Name and address of the owner of the land
under mineral concession / particulars of consent /
NOC received from the occupier of the land (if applicable) : **Smt.Puthukudi Chathamballi Ayana**
Date of expiry of permit : **31.03.2021**

Details of fee remitted

Item	Chalan No. & Date	Amount	Name of Treasury
Application fee	KL014798491202021M Dated.22.12.2020	1000/-	DT, Kannur
Royalty	KL016352606202021M Dated.12.01.2021	240,000/-	DT, Kannur
Surface Rent	KL016352606202021M Dated.12.01.2021	500/-	DT, Kannur
DMF remitted, if any	TR 5 Book No. 9648 Receipt No.964788 Dated.12.01.2021	24,000/-	DT, Kannur
Environment Clearance, if any	09/KNR/2017/DEIAA Dated.01.07.2017 Kannur Validity 30.06.2020 which is extended up to 31.03.2021 as per the MOEF Notification No.3749 Dated.27.11.2020, New Delhi.		



Office Seal

Signature and Address of the Issuing Authority

12/01/2021

SENIOR GEOLOGIST
Department of Mining & Geology
District Officer, KANNUR-670002

To
Sri. C G George,
Managing Partner, SriLakshmi Stone Crusher,
27th Mile, Poolakutty P O, Kannur-670 650

Copy to:

1. District Collector, (with C/L).
2. Deputy Chief Controller of Explosives, Eranakulam (with C/L)
3. Smt.Puthukudi Chathamballi Ayana, Ponniam West P O

Copy of Permit

Annexure No.6

മനോജ് പി.കെ., തിരുവനന്തപുരം-695 009, കേരളം
www.attukalradhakrishnan.org, ഫോൺ: 0471 2458888, 2458484

നോട്ടീസ്

പൊതുജന ശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, കണ്ണൂർ ജില്ല, ഇരിട്ടി താലൂക്ക്, കണിച്ചാൽ പഞ്ചായത്ത്, കണിച്ചാർ വില്ലേജിലുംപ്പെട്ട സർവ്വേ നമ്പർ 1561 -ൽ പാറ ഖനനം ചെയ്യുന്നതിനുവേണ്ടി പരിസ്ഥിതി അനുമതി ശ്രീലക്ഷ്മി സ്റ്റോൺ ക്രഷർ എന്ന സ്ഥാപനത്തിന് ജില്ലാ പരിസ്ഥിതി ഇംപാക്ട് അസസ്സ്മെന്റ് അതോറിറ്റി, കണ്ണൂർ നിന്നും ഓർഡർ നമ്പർ 14/KNR/2017/DEIAA തീയതി 01-7-2017 ഓർഡർ പ്രകാരം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് ജില്ലാ പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പിൽ ലഭ്യമാണ്. <http://environmentclearance.nic.in> എന്ന വെബ് സൈറ്റിൽകൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

IPCTC ലാൽ ദർശൻ

- Sudeep

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IMAGE EMENTS

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Public Notice

NOTICE

This is to inform to the General Public that, the proposed Quarry Project at Survey No. 1561, at Kanichar Village, Kanchar Panchayat, Iritty Taluk, Kannur District, Kerala being developed by M/s Srilakshmi stone crusher is accorded with ENVIRONMENTAL CLEARANCE by District Environment Impact Assessment Authority, Kannur vide Order No. 14/KNR/2017/DEIAA dt. 01/07/2017 and the copy of the Environmental Clearance is available with the office of District Environment Impact Assessment Authority (DEIAA), Kannur and may also be seen on the website of the Authority at <http://environmentclearance.nic.in>

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Advertisement in Newspaper

Annexure No.7

M/s SRI LAKSHMI STONE CRUSHER

BUILDING NO.VIII/14, 27TH MILE, PO POOLAKUTTY, NEDUMPOYIL
KANNUR, KERALA-670650 Ph:0490-2448400

The Secretary,
Kanchi Panchayat,
Iritty Taluk, Kannur District,
Kerala.

Dt. 03/07/2017

Sub:- Environmental Clearance (E.C.) – Proposed Quarry Project at
Survey No. 1561 , Kanichar Village, Kanichar Panchayat, Iritty
Taluk, Kannur District, Kerala – Submission of the E.C. Order –
Compliance to the condition of Environment Clearance – Reg.


Respected Sir,

1. This refers to the Environmental Clearance obtained to the proposed Quarry Project at Survey No. 1561 , Kanichar Village, Kanichar Panchayat, Iritty Taluk, Kannur District, Kerala vide Order No. 09/KNR/2017/DEIAA dt. 01/07/2017.
2. We hereby submit a self attested copy of the Environment Clearance Order No. 09/KNR/2017/DEIAA dt. 01/07/2017. This is in compliance to the condition of the E.C. Order.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours respectfully,
for Sri Lakshmi stone crusher,


C.G. George,
(Managing Partner)

Encl: As above


SUTHESAN MAMMALI
SECRETARY,
Kanichar Grama Panchayat
Kannur - 670674
Ph: 0490 2412065, 9496049152

Copy of Acknowledgement

Annexure No. 8

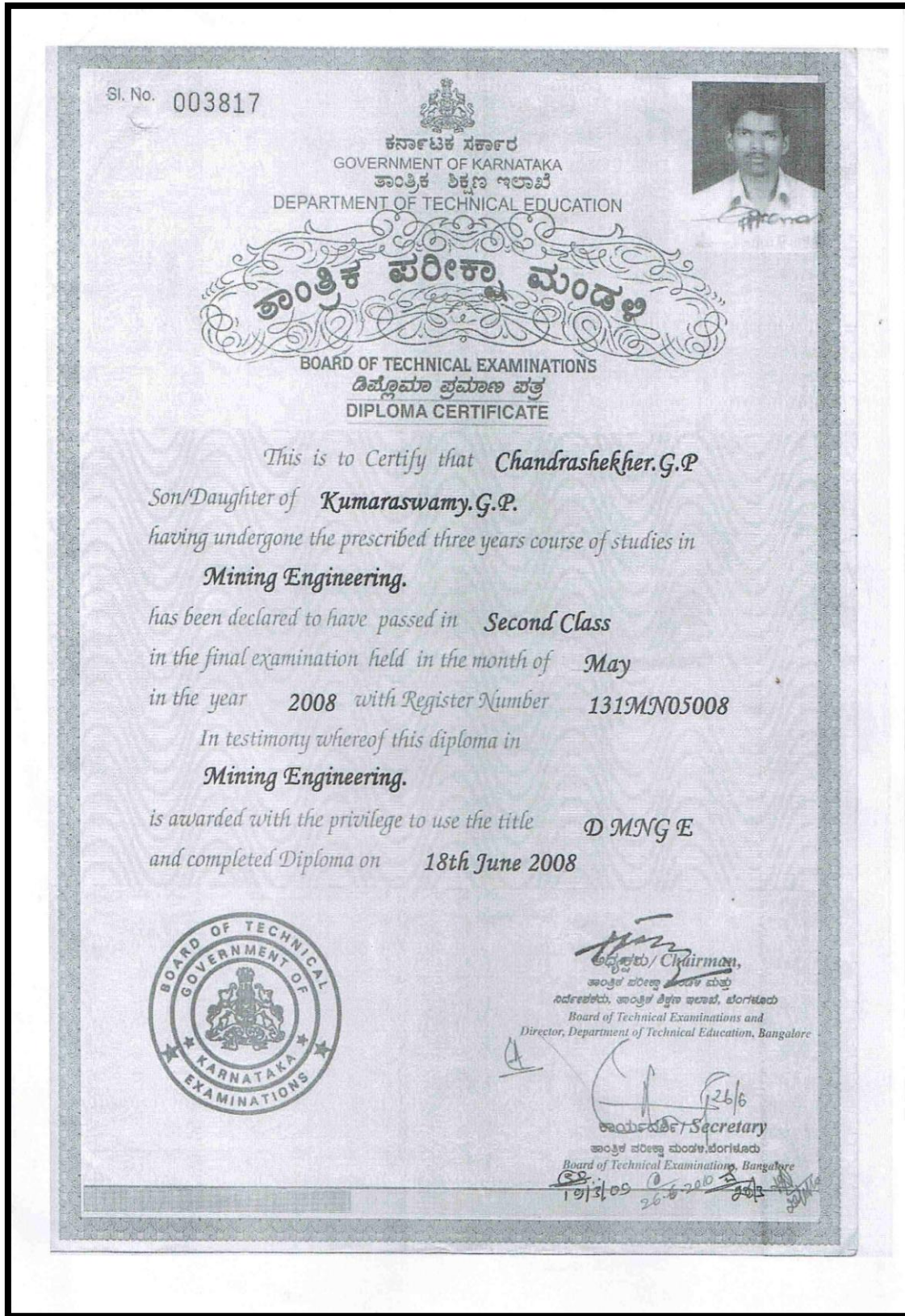
FORM D
[See clause (a) of rule 10 and clause (m) of sub-rule (1) of rule 40]
NOTICE

To:
The District Magistrate ,Kannur District,

1	a. Name of Mine	M/S Srilakshmi Stone crusher Office: 27 th Mile , Poolakutty P.O, Nidumpoyil – 670 650. Kannur District, Kerala State.
	b. Name of Mineral	Granite Building Stone
	c. Situation of Mine	Village: Kanichar Village, Post office: Poolakutty P.O Town: Nidumpoyil, Taluk:Iritty District: Kannur, State: Kerala State.
	d. Date when work was first started	02.01.2008
2	a. Name & postal address of present owner(s)	Shri.C.G.George , Managing Partner Srilakshmi stone crusher 27 th mile Poolakutty PO Iritty Taluk, Kannur District, Kerala State – 670 650
	b. Name & postal address of agents if any	----
3	a. Name & postal address of manager if any	Mr.Chandrasekhara G P , S/o Kumaraswamy G P Deogiri PO Sandur, Bellary , Karnataka -583112
	b. His age	32 Years
	c. His qualification	Diploma in mining
	d. His experience in Mining	4 years in open casting
4	Whether working are likely to be Extended below ground	Yes in future
5	a. Maximum depth of open cast excavation measured from its highest to its lowest point	Above ground 4 meters from its highest to lowest point
	b. Date when depth exceeded 6 meter	Not Yet
6	a. Nature, amount and kind of explosives used if any	Nitrate Mixture Slurry emulsion explosives Class 2 division 0 Class 6 division 3
	b. Date when explosives were first used	06.09.2016

Form D

Annexure No. 09



Certificate of Mines manager

Annexure No. 10

**TEST REPORT**

Test Report No 20210521/R008	Date: 25-05-2021	Page 1 of 1
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CUSTOMER DETAILS

Customer Name & Address	Mr. C.G George Managing Partner M/s Sri. Lakshmi Stone Crusher 27 th Mile, Poolakutty, Nidumpoyi, Kannur District
Customer Reference	Test Request dt. 21-05-2021

SAMPLE DETAILS

Product Category	Atmospheric Pollution	Sample Code	20210521/S008
Sample Name	Ambient Air	Sample Received on	22-05-2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-05-2021
Sampled by	Lab Authorized Sampler	Test Completed on	25-05-2021

DETAILS OF SAMPLING

Sampling Location	South West Boundary	Date of Sampling	21-05-2021
Sampling Procedure	SEAL/ENL/GEN/SOP/02	Humidity	68 %

SAMPLING SITE DETAILS

Survey No	1561		
Village	Kanichar	Taluk	Iritty
District	Kannur	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
1	Particulate Matter, PM ₁₀	IS 5182 (Part 23):2006	µg/m ³	64.2	Max 100
2	Particulate Matter, PM _{2.5}	EPA 40 CFR (Part 50) Appendix - L	µg/m ³	31.7	Max 60
3	Sulphur Dioxide as SO ₂	IS 5182 (Part 2): 2001 RA 2017	µg/m ³	< 2.00	Max 80
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006 RA 2017	µg/m ³	< 2.00	Max 80

Remarks:

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

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

Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

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

Result of Air

Annexure No.11

**TEST REPORT**

Test Report No 20210521/R009	Date: 25-05-2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	Mr. C.G George Managing Partner M/s Sri. Lakshmi Stone Crusher 27 th Mile, Poolakutty, Nidumpoyi, Kannur District
Customer Reference	Test Request dt. 21-05-2021

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	20210521/S009
Sample Name	Ambient Noise	Monitoring Commenced on	21-05-2021 / 06:00
Monitoring Location	North Side Boundary	Monitoring Completed on	22-05-2021 / 06:00
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler

MONITORING SITE DETAILS			
Survey No	1561		
Village	Kanichar	Taluk	Iritty
District	Kannur	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	38.5	14:00	51.6	22:00	37.3
07:00	41.3	15:00	52.0	23:00	33.7
08:00	45.7	16:00	53.2	24:00	36.1
09:00	49.2	17:00	53.6	01:00	36.8
10:00	51.6	18:00	48.0	02:00	36.4
11:00	54.8	19:00	44.5	03:00	37.1
12:00	52.0	20:00	40.5	04:00	36.1
13:00	51.2	21:00	40.0	05:00	37.8

TEST RESULTS- CHEMICAL PARAMETERS			
Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	50.1
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)	dB(A)	36.4

Remarks:

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

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Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

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

Result of Noise Level

Annexure No. 12

**TEST REPORT**

Test Report No 20210521/R010	Date: 25-05-2021	Page 1 of 2
------------------------------	------------------	-------------

CUSTOMER DETAILS

Customer Name & Address	Mr. C.G George Managing Partner M/s Sri. Lakshmi Stone Crusher 27 th Mile, Poolakutty, Nidumpoyi, Kannur District
Customer Reference	Test Request dt. 21-05-2021

SAMPLE DETAILS

Product Category	Water	Sample Code	20210521/S010
Sample Name	Ground Water	Sample Received on	22-05-2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	5°C
Sample Quantity & Packing	1L & 250ml Plastic Bottles	Test Commenced on	22-05-2021
Sampled by	Lab Authorized Sampler	Test Completed on	25-05-2021

DETAILS OF SAMPLING

Sample Source	Bore well	Date of Sampling	21-05-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	30 °C

SAMPLING SITE DETAILS

Survey No	1561		
Village	Kanichar	Taluk	Iritty
District	Kannur	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	1.0	Max 5
2	Odour	IS 3025 (Part 5):2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984 RA 2017	NTU	0.3	Max 1
4	pH	IS 3025 (Part 11):1983 RA 2017	---	6.76	6.50 – 8.50
5	Conductivity	IS 3025 (Part 14):1984 RA 2019	µS/cm	71.8	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984 RA 2017	mg/L	48.6	Max 500
7	Total Hardness as CaCO ₃	IS 3025 (Part 21):2009 RA 2019	mg/L	19.3	Max 200
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2019	mg/L	5.14	Max 75
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2019	mg/L	1.63	Max 30

Shency Joy
Dy.TM-Chemical
Checked by



Salini T.S.
Microbiologist
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

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

Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

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**TEST REPORT**

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TEST RESULTS- CHEMICAL PARAMETERS

Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2019	mg/L	7.36	Max 250
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23):1986 RA 2019	mg/L	10.9	Max 200
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2019	mg/L	0.32	Max 1
13	Sulphate as SO ₄	IS 3025 (Part 24):1986 RA 2019	mg/L	1.65	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	----	Absent/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

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

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Result of Water

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