



Compliance Report

October 2017 – March 2018

M/s. Sri Lakshmi Stone Crusher

(Quarry project)

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: 29.06.2018

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

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

:- Environmental Clearance No. 14/2017

**Sub :- Environment Clearance – Quarry project at Kanichar Village, Iritty
Taluk, Kannur District, Kerala – Compliance Report – Second 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 **Second half** (October 2017 – March 2018) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,



M/s Sri Lakshmi Stone Crusher

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: 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 Second half to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2017- March 2018** 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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To control, direct, manage and supervise the quarrying operations in the quarry the project proponent has appointed a mines manger as per the Mines Act 1952. The certificate of Mines engineer and Form D is attached as **Annexure No8.**

02	Health and welfare for the persons employed shall be implemented	complied
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The health and welfare of the persons employed in the quarry site is implemented. 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.

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 project proponent has practicing controlled blasting with ordinary/ elctric delayed detonator. The blasting time in the quarry is in day time at 9.00-10.30 am, 2-3 pm and 4.00 - 5.30pm. 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. The photograph of the board showing blasting time is attached as **Plate No.4**

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-mineralized area by planting suitable native species in consultation with the local	Being Complied
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	DFO/Agriculture department.	
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The green belt is important in the mining site. The project proponent has started to plant 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 has taken the suggestion of agricultural department to plant the native species.

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	Being 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 will be de silted during summer season.

06	Fencing shall be maintained properly all around the lease area.	Complied
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The project has done fencing around the lease area using the barbed metal wire. The project proponent is maintaining the fencing properly.

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	Appropriates sign boards should be displayed.	Complied
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Appropriate sign boards are installed in the project site. **Plate No.5** shows the photograph of Sign Boards

09	The blasting time must be displayed and strictly adhered to.	Complied
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To notice the labours and general public about blasting a board containing blasting time has displayed in the project 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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Dust Suppression mechanism has implemented in the project site.

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.	Being Complied
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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.

14	The PPV values must be less than 10 mm/sec.	Noted
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The project proponent is 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

15	The green belt shall be provides around the periphery.	being complied
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The project 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 extraction of minerals will be from top to bottom. The maximum height of all benches will be 5 meters.

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.	Being Complied
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The project proponent deploys 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 from the side wall.

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

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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This condition will comply 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.	Being Complied
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The waste dumps and topsoil dumps are stabilised by using coir mats or bio regeneration. Proper drainages are constructed by the project proponent, 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 constructed 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.	Being complied
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The water from the garlands drainage will direct 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.

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.	Will be complied
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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

01	First Aid kit provide in the work site. It shall be periodically maintained property .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 training on first aid has provided to selected labours.

02	Whole some drinking water should be provided.	Complied
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In the project area drinking water will available at all time.

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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In the project site the project proponent has given sanitary type of latrine and urinals to every labour.

05	Resting place should be provided for workers.	Complied
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To get proper rest to the labours, the project has arranged adequate rest rooms in the project area. **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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'No Smoking' board has exhibited according to COTPA Act. **Plate No. 7** shows the photograph of No smoking board

07	Work should not be done in night.	Complied
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No work will be carried out in the quarry during night time. 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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Details of nearest hospital, Fire station, Police station, etc are available in the project site. **Plate No. 8** shows the photograph of details of emergency contact numbers.

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

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:

As part of water conservation and to collect rain water from the entire mining area, the project has developed one rain water harvesting pond in the quarrying area.

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:

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent has formed an Environmental Monitoring Cell (EMC) with Mr. C.G George as head of the monitoring cell. The EMC meeting will arrange regularly for a sustainable environment. The details of the EMC members is given in **Table No. 1**

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 150 different avenue trees along either side of the road. There is also natural vegetation including trees, shrubs and climbers are presents in the sides of road and parking area. The project could plant more suitable avenue trees along either side of the tarred road and open parking areas, where there is less vegetation. The photograph of the avenue tress is attached as **Plate No.1**.

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

The project is intending to use maximum renewable energy to reduce electrical consumption from KSEB. As part of this, the project proponent will install a solar panels/solar street light in the project site.

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

To prevent dust emissions from the road while transportation of materials, the project splash 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:

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

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

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

As part of inclusive growth of the community, the project proponent executes various activities under Corporate Social Responsibility of the firm with the consultation of Panchayath. The main activities were under the sectors of education, housing, health etc. The details of CSR provided in the period of second half is mentioned in the **Table No.2**

Table No.2 – Detail of performed activities under CSR

Sectors	Activities	Partners	Beneficiaries	Amount spent in Rs.
Education				
	Donation for Library	Anugraha Vayanashala	Public	15,000
	Donation	Education Aid	Students	5,000
	Donation	Kolakkad GLPSchool	Students	5,000

	Donation	Kommeri GLPSchool	Students	2,000
Arts, Sports & Festival	Donation For Festival	Sree Krishna Jayanthi	Public	2,000
	Donation For Festival	Aaryaparamba Thira Maholsavam	Public	1,500
	Donation For Festival	Sree Maachola Bhagavathi Kavu	Public	5,000
	Donation For Festival	St.Sebastian Church, Elapeedika	Public	10,000
	Donation For Festival	St. Joseph Church, Malayampady	Public	15,000
Health	Donation for Treatment	Unni Ashan chihilsa sahaya fund	Nikhil	35,000
	Donation for Treatment		AM Paulson	25,000
	Donation for Treatment	National Delith Federation	Public	1,500
	Donation for Treatment	Accident Aid	Public	10,000
	Donation for Treatment		Nandagopal	5,000
Infrastructure Development	Donation For House Construction		P Chandran, Poolakutty	1,00,000
	Donation For House Construction		Sivaraman, Mile poolakutty	1,00,000

	Donation For Road Construction		Regi, Mile poolakutty	1,00,000
Social	Donation for Environment	Green Build	Public	10,000
	Donation	Farmers Association Karshaka Sangam	Public	3,000
	Donation	Kerala Karshaka Sangam	Public	2,000
	Donation	Sree Narayana Bhaktha sangam	Public	1,000
	Donation	Study camp	Students	1,000
	Donation	Thanal Purusha sangam	Public	7,500
	Total			4,61,500

09	The lease area shall be fenced off with barbed wires to a maximum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.	Complied
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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. All the boundary indicators (boards, stores, markings etc) will be protected at all times and shall be conspicuous.

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

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

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

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

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., ear plugs are provided to workers working in high noise areas.
- The mining activity held in day time only.
- Noise level at quarry site checked periodically.

Blast vibrations and control measures

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

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

The blasting is carrying out in controlled manner by using ordinary/electric delayed detonators. All blasting activities are carried out under the supervision of qualified persons with the specified regulations of explosive department. 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.	Will be Complied
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Compliance:

The project 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 No8.**

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

To contain dust emissions, the project has maintaining the access roads to the quarry site. 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	Complied
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	reclamation of mine pits as per mine closure plan/ specific conditions.	
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Compliance:

The Over burden and top soil need to extract during the time of mining, these natural resources being staked in the project site. This will be used for plantation, haulage roads and land filling in the mining area. No overburden will let out from the project site. 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 ining plan/specific conditions.	Complied
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Compliance:

To enhance the safety and environment sustainability, the project 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. The photograph o 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 project proponent is using ordinary/electric delayed detonator. The blasting is under the supervision of qualified person. The blasting through delayed detonators can reduce the incident of fly rock. The project assures that the PPV will be below 10 in all blasting.

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

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

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.	Being Complied
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Compliance:

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

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:

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

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

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

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

The volume of used oil is 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.	complied
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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. The photograph o 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 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.

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

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board is provided in **Annexure No. 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
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
License for quarry operations	Gram Panchayath
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 on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	Will be complied
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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.

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	Noted
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	suggested safeguard measures in a time bound and satisfactory manner.	
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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.

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	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded	Complied
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	<p>Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. <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>	
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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 latter to

anyone. At present the project 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 both in hard copy as well as mail. The Monitoring result of Ambient air. Sound and water is attached as **Annexure Nos 8, 10 & 11.**

38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	complied
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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. The photograph of metallic board is attached as **Plate No.10**

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

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

41	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 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.

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 un loading points & transfer point to reduce fugitive emissions.	Complied
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Compliance:

The project proponent monitored the ambient air quality as per National Ambient Air quality Standard (NAAQS). 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

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 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 ⁰ . 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.	Being complied
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Compliance:

The natural resources like top soil and overburden are being stacked in a designated place within the project site. Only topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction of District Environment Impact Assessment Authority (DEIAA).

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 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 is used for splashing of water on roads to arrest the dust.

45	Effective safeguard measures such as regular water sprinkling shall be carries out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5}, such as haul road, loading an un loading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters confirm to the norm prescribed by the Central Pollution Control Board in this regard.	Noted
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Compliance:

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 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 project proponent splashes 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.

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.	Being 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.	Will be complied
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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 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.

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.	Will be complied
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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 not withstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same	Will be complied
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	project.	
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Compliance:

The project 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.	Will be complied
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Compliance:

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.

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 has conducting in authorized pollution checking centre.

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

There is no stream or springs flowing in and around to the mine lease area. The project installed 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 programe 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



Avenue Tree

Plate 2



Sprinklers in the Quarry Site

Plate 3



Mining- Benches

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**

ANNEXURE

Annexure No.1



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KNR/ICO/3200/2015
Date of issue :2017-07-07

CONSENT VARIATION ORDER

Consent No : PCB/KNR/ICO/424/2016

Ref : 1. PCB/KNR/ICO/424/2016 dated 20/05/2016 2. Environmental Clearance No.09/KNR/2017/DEIAA dated 01/07/2017 and valid upto 30/06/2020

The ' Integrated Consent to Operate' issued as per reference above to M/s SREELAKSHMI STONE CRUSHER,27TH MILE, P.O.POOLAKKUTTY, VIA.NEDUMPOYIL-670650 is hereby modified & issued to M/s SREELAKSHMI STONE CRUSHER,27TH MILE, P.O.POOLAKKUTTY, VIA.NEDUMPOYIL-670650. 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	AREA OF QUARRYING (HECTARE)	0.9898
2	Capital Investment(in Lakhs)	25
3	VALIDITY	30/06/2020

II. CONDITIONS

5.2 Application for renewal of consent shall be submitted before 31/03/2020.
 5.8 Deleted.
 5.9 Deleted.
 5.12 Deleted.
 5.13 Deleted.
 5.14 Deleted.

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


Page1

DATE :07/07/2017

SIGNATURE & SEAL OF ISSUING AUTHORITY

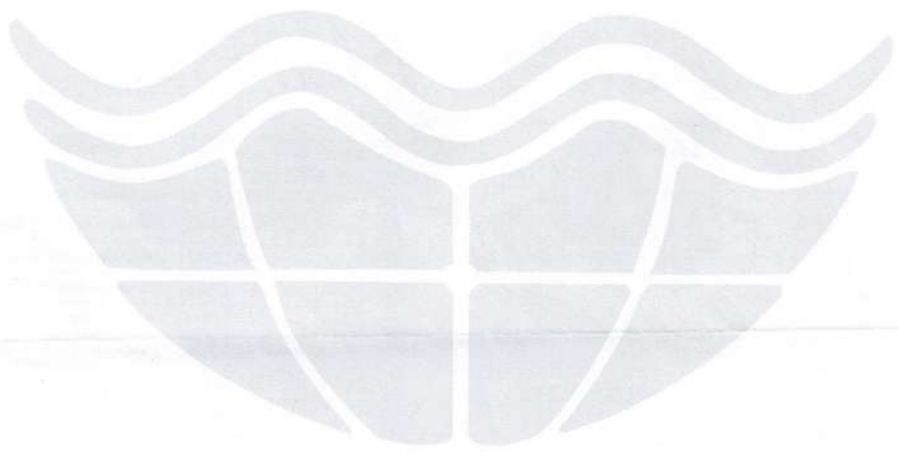
Kummmn

Krishnan M.N
Environmental Engineer



To
SRI. C.G. GEORGE, MANAGING PARTNER, SREELAKSHMI STONE CRUSHER, 27TH MILE,
POOLAKUTTY.P.O., NEDUMPOYIL (VIA), KANNUR DT - 690650


K E R A L A



Page2

Copy of Consent form PCB

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 I(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/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 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

Transferred from Shri C.M. Mahesh Managing Partner

अनुज्ञप्ति प्रारूप 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 रुपए (Annual Fee Rs): 2400/-

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 प्रस्थिति | Status of licensee : Partnership Firm

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

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

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	1650 Mtrs
3.	Electric and/or Ordinary Detonators	6.3	0	1000 Nos.

(ख) किसी एक कैलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए)
(b) Quantity of explosives to be purchased in a calendar month [applicable for licence under article 3(b) and (c)]: 3 times as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्ति परिसर की पुष्टि होती है।
The licensed premises shall conform to the following drawing(s): रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/111(E96164)
दिनांक (Dated) 05/10/2017

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 Taluk पुलिस 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 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 द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्रारूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2017 तक विधिमानी 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 उपबर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्ति 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.

तारीख | The Date - 06/09/2016 उप मुख्य विस्फोटक नियंत्रक | Dy. Chief Controller of Explosives
Ernakulam
उ.सु.वि.नि., एर्नाकुलम
D. C. C. E., Ernakulam

Transfers :
• Change in Licensee Name/Address/Status dated : 05/10/2017
नवीनीकरण के पृष्ठोक्तन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुमान प्रधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
14/03/2017	31/03/2018	Sd/- Dy. Chief Controller of Explosives, Ernakulam

Copy of Explosive

Annexure No. 4

	
നമ്പർ 203-LF/58/16-17 ഒന്നിച്ചിട്ട് ഗ്രാമ പഞ്ചായത്ത്	
1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത	
ലൈസൻസ്	
ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	വി.എം. മേനോൻ മേനോൻ പാത്ത് ത്രിശങ്കുളി ഏരിയ 27-ാം ഞാൽ, പൂക്കുളി. വി. 3
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	ഏതെങ്കിലും 1561 നമ്പർ പട്ട 0.0971 ഓക്ടൽ ഫലത്തിൽ മിരികൽ കൃമി നടന്നതായി
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	ഏതെങ്കിലും 1561
ലൈസൻസിന്റെ കാലാവധി	31-3-2017
ലൈസൻസ് ഫീസ്	1000-രൂപ - പൈസ -
നിമാർകസ്	R.No. 11602101041 dt 9.9.16
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> തീയതി 23-9-16 </div> <div style="text-align: center;">  </div> <div style="text-align: right;">  സെക്രട്ടറി SUTHESAN MAMMALI SECRETARY, (മനുവശം) Kanichar Grama Panchayat P.O. Kanichar - 676674 Ph: 0490 2412065, 9496049152 </div> </div>	

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. 01/2017-18/ MM/ GS/OS/DOC/M-649/17 Dated 17.07.2017

Shri. C.G.GEORGE, MANAGING PARTNER, SRILAKSHMI STONE CRUSHER, 27TH MILE, POOLAKUTTY.P.O. 670 650 is hereby permitted to extract and remove **GRANITE BUILDING STONE** (Name of mineral) from an area of 0.9898 Hectare in Sy.No. 1561 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 : 20000 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 : 2500 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) : Sri.Puthukkudi Chathamballi Raghuraman, Krishna, West Ponniyam, Thalassery

Date of expiry of permit : 16.07.2018

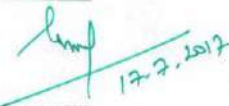
Details of fee remitted

Item	Chalan No. & Date	Amount	Name of Treasury
Application fee	KL006219922201617M Dt. 13.03.17	1000	DT, Kannur
Royalty	KL004125231201718M Dt. 17.07.17	480000	DT, Kannur
Surface Rent	KL004133694201718M Dt. 17.07.17	200	DT, Kannur
QSF remitted, if any	TR 5 Book No. 2093, Receipt No.209220 Dt. 17.07.2017	48000	DT, Kannur
Environment Clearance, if any	09/KNR/2017/DEIAA Dt. 01.07.2017, Kannur		



To
Shri. C.G.GEORGE,
MANAGING PARTNER,
SRILAKSHMI STONE CRUSHER,
27TH MILE, POOLAKUTTY.P.O. 670 650

Copy to:
1. District Collector, (with C/L).
2. Sri.Puthukkudi Chathamballi Raghuraman, Krishna, West Ponniyam, Thalassery

Signature and Address of the Issuing Authority

GEOLOGIST
Department of Mining & Geology,
District Office
KANNUR - 670 002

Copy of Lease

Annexure No.6

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

നോട്ടീസ്

പൊതുജന ശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, കണ്ണൂർ ജില്ല, ഇരിട്ടി താലൂക്ക്, കണിച്ചാൽ പഞ്ചായത്ത്, കണിച്ചാൽ വില്ലേജിലുംപ്പെട്ട സർവ്വേ നമ്പർ 1561 -ൽ പാറ ഖനനം ചെയ്യുന്നതിനുവേണ്ടി പരിസ്ഥിതി അനുദത്തി 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 സൈറ്റിൽക്കൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

IBCTC ലാൽ ദർശൻ

NA 370
NC 622
NF 349
NH 671
NL 533
0274 0
3970 5
0001 0
3213 3
5684 6
8898 9
0194 0
2387 2
4858 5
6651 6

- Sudeep

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CR). 8547432402

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Ekm.Ph.2353765.

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Aji. S., Advocate
Legal Advisor, LIC HFL, Thrissur
Ph : 9446143066, 0487- 2325080

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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,
Kanchihar 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,
Kanichar - 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 metersfrom 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 emulasion explosives Class 2 division 0 Class 6 division 3
	b. Date when explosives were first used	06.09.2016



Certificate of Mines manager

Annexure No. 09





NABL(T-3620)

TEST REPORT

Test Report No: SEAL/1806/EN/R233	Date: 27.06.2018	Page 1 of 1
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CUSTOMER DETAILS			
Customer Details	Name & Address	Mr. C.G George Managing Partner M/s Sri. Lakshmi Stone Crusher 27 th mile, Poolakutty, Nidumpoyi, Kannur District	
	Survey No	1561	
	Village	Kanichar	
	Taluk	Iritty	
	District	Kannur	
	State	Kerala	
Customer Reference		Test Request form dated 21.06.2018	
Monitoring Site		27 th mile	

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	SEAAL/1806/EN/S233
Location of Monitoring	South West Side	Sampled By	By Laboratory *
Date of Monitoring	21.06.2018	Test Started On	23.06.2018
Sample Received On	22.06.2018	Test Completed On	25.06.2018
Humidity	68 %	Sampling Procedure	IS 5182 Part V & XIV

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2012	µg/m ³	58.6	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	25.1	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2012	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2012	µg/m ³	< 2.00	80.0

End of Report

For and on behalf of
Standard* Environmental & Analytical Laboratories



 Authorized Signatory
Rija Joseph
 Technical Manager

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


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

Result of Air

Annexure No.10



Standard^S
Environmental Monitoring



NABL(T-3620)

TEST REPORT

Test Report No: SEAL/1806/EN/R235	Date: 27.06.2018	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;">Name & Address</div> <div> Mr. C.G George Managing Partner M/s Sri Lakshmi Stone Crusher 27 th mile, Poolakutty, Nidumpoyi, Kannur District </div> </div>	
	Survey No	1561
	Village	Kanichar
	Taluk	Iritty
	District	Kannur
	State	Kerala
Customer Reference	Test Request Form Dated 21.06.2018	
Monitoring Site	27 th mile	


SAMPLE DETAILS	
Source of sample	Ambient Sound Level
Sample Code	SEAL/1806/EN/S235
Location of Monitoring	North Side Boundary
Date of Monitoring	21.06.2018

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	38.5	23.00 Hrs	35.8
07.00 Hrs	41.3	00.00 Hrs	38.4
08.00 Hrs	45.7	01.00 Hrs	39.1
09.00 Hrs	49.2	02.00 Hrs	38.7
10.00 Hrs	51.6	03.00 Hrs	39.5
11.00 Hrs	54.8	04.00 Hrs	38.4
12.00 Hrs	52.0	05.00 Hrs	40.2
13.00 Hrs	51.2	RESULTS	
14.00 Hrs	51.6		
15.00 Hrs	52.0	Noise Level (Leq) Daytime	50.1 dB (A)
16.00 Hrs	53.2		
17.00 Hrs	53.6		
18.00 Hrs	48.0		
19.00 Hrs	44.5	Noise Level (Leq) Nighttime	38.6 dB (A)
20.00 Hrs	40.5		
21.00 Hrs	40.0		
22.00 Hrs	37.3		

End of Report

For and on behalf of
Standard* Environmental & Analytical Laboratories

Rija Joseph
Technical Manager



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 Authorization of Standard* Environmental & Analytical Laboratories

Standard* Environmental & Analytical Laboratories

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


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

Result of Sound

Annexure No. 11

Standard^S
Environmental Monitoring

TEST REPORT


NABL(T-3620)

Test Report No: SEAAL/1806/WA/R228		Date: 27.06.2018		Page 1 of 1	
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CUSTOMER DETAILS					
Customer Details		Name & Address Mr. C.G George Joint Managing Director M/s Chendayad Granites (P) Ltd CP 3C40, KSIDC, Industrial Growth Centre, Mooriyad, Kannur District			
Location of Site		Survey No		275/1 A	
		Village		Thripangottor	
		Taluk		Thalassery	
		District		Kannur	
		State		Kerala	
Customer Reference			Test Request Form dated 21.06.2018		
Monitoring Site			Pooyiloor		

SAMPLE DETAILS					
Sample Code		SEAAL/1806/WA/S228	Sample Received On		22.06.2018
Sample Name		Water	Sampling Procedure		SEAAL/MSP/24 & SEAAL/MBL/SOP/06
Sample Description		Stream Water	Sampling Location		South East
Identification By Customer		---	Sample Condition		Good
Sampled On		21.06.2018	Test Started On		23.06.2018*
Sampled By		Laboratory	Test Completed On		27.06.2018

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2012	Hazen	5.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2012	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2012	NTU	18.6	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2012	---	6.47	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2012	mg/L	32.0	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2014	mg/L	9.90	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	2.38	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	< 1.00	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	8.99	250 (Max)
10	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	10.1	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.42	1.00 (Max)
12	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	2.78	200 (Max)
13	Total Coliform Bacteria	IS 1622:1981 RA 2014	----	Absent/100 ml	Absent/100 ml
14	E coli	IS 15185: 2016	----	Absent/100 ml	Absent/100 ml

End of Report

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

Vidhyalakshmi Das
Microbiologist

Authorized Signatory

Rija Joseph
Technical Manager

Standard^S Environmental & Analytical Laboratories
Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
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Result of Water