COMPLIANCE REPORT

October 2019 - March 2020

QUARRY PROJECT M/s SRI LAKSHMI STONE CRUSHER KANNUR DISTRICT

KERALA

Dt.11-06-2020

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 kanichar Villagé, 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 2019 - March 2020) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For M/S Srilakshmi Stone crusher

Copy to:-

Member Secretary, SEIAA, Trivandrum

Member Secretary, DEIAA, Kannnur

OR

RDO, 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**

INDEX

SI. No.	Particulars	Page No.
1.	Introduction	07
2.	Compliance Report – Specific conditions – Part A	08
3.	Conditions of Health	15
4.	Compliance Report – General conditions – Part B	18
5.	Plates	39
6.	Annexure	49

LIST OF TABLES

Table No.	Particulars	Page No.
1.	Environmental Monitoring Cell (EMC)	19
2.	The details of performed activities under CSR	21
3.	The details of statutory approvals	28
4.	Details of news paper where advertisement published	31

LIST OF PLATES

Plate No.	Particulars			
1.	Vegetation avenue trees	40		
2.	Photograph of Sprinklers	41		
3.	Photograph of mining through benches	41		
4.	Photograph of Board showing blasting time	42		
5.	Photograph of Sign boards	42		
6.	Photograph of Resting room	43		
7.	Photograph of No Smoking Board	44		
8.	Photograph of emergency contact number board	44		
9.	Photograph of Magazine	45		
10	Photograph of Metallic board	45		
11	Photograph of FA Box	46		
12	Photograph of RWH Pond	46		
13	Photograph of Access Road	47		
14	Photograph of Over burden	47		
15	Photograph of Fencing	48		

LIST OF ANNEXURE

Annexure No.	Particulars	Page No.
1.	Copy of the "Consent to Operate" from Kerala State Pollution Control Board (Renewal)	50
2.	Copy of E C order	52
3.	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	53
4.	Copy of License for quarry operations from <i>Gram</i> Panchayath	55
5.	Copy of permit from mining and Geology Dept.	56
6.	news paper where advertisement published	57
7.	Copy of Acknowledgement	58
8.	Copy of Certificate of Mines manager and Form D	59
9.	Mines manager	60
10	Result of Air	61
11	Result of Sound	62
12	Result of Water	63
13	CSR	64

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 2019 - March 2020 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	

Mines manger has appointed in the quarry by the project proponent in order 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	complied
	implem	ented								

The project proponent has conducted health check up for the labours in the project site in association with Primary Health Centre of Local Self Government. The project proponent kept a First aid box in the project site. The project proponent also provided facilities like housing, food, water and sanitation to the workers in the site.

03	Controlled blasting should be practiced and blasting shall be	Complied
	done only during day time. The mitigate measures for control of	
	ground vibration to arrest the fly rocks and boulder should be	
	implemented.	

The project proponent carries out the blasting in controlled manner using ordinary delayed detonators. 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	Being
	adequate width around the mining lease area excluding the	Complied
	rocky area, along roads, overburden dumps and non-	
	mineralized area by planting suitable native species in	
	consultation with the local DFO/Agriculture department.	

The project proponent has taken the suggestion of agricultural department to plant the native species in order to provide green belt in the project site. The project proponent has started to plant various saplings in the project site to develop a green belt around the project area. Avenue tress also planted along the road side to minimise the dust emission. More than 120 saplings were planted in the project site. Photograph of plantation is attached as Plate No.2

05	The drains should be regularly de silted and maintained	Being
	properly check dam and gully checks shall be constructed	Complied
	wherever to required to arrest siltation.de siltation shall be done	
	every year before the onset of monsoon	

The project has initiated step to construct De siltation chambers to arrest the quarry waste entering in to the public drain and stream. These chambers will be de silted during summer season.

06	Fencing shall be maintained properly all around the lease area.	Complied
	,	-

To demarcate the lease area, the project proponent has installed fencing around the project site where Environmental Clearance obtained. This will help to prevent falling of animals/human being/dumping of garbage etc.

07	The CSR need redrafting with inclusion of felt needs of the	Complied
	locality with special emphasize for implementing ground water	
	recharging water recharging techniques in and at the vicinity of	
	the proposed site.	

The CSR has redrafted and submitted with the felt needs of the locality with special emphasize on ground water recharging techniques. It was submitted at DEIAA

opriate sign boards should be d	ayed. Complied
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The project proponent has installed appropriate sign board in the site.

09	The blasting time must be displayed and strictly adhered to.	Complied

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 t 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

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

Ī	13	A separate small plot to be maintained in the premise to	Being
		preserve rare and endemic species. If any, listed in the	Complied
		biodiversity assessment etc.	

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	l

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

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	Noted
	exceeds the maximum each of the excavator engaged for work,	
	such bench height shall be reduced from top to bottom.	

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	Being
	be dressed down before engaging persons for work at the	Complied
	bottom of the bench.	

To remove the loose or hanging mineral boulders on the side wall the project proponent has deployed JCB like machines. The labours will work on the bottom bench only after clearing such loose minerals form the side wall.

18	Permanent boundary pillars should be fixed by the proponent	complied
	before commencing quarrying	

Permanent Boundary pillars were fixed at each corner of the lease area in order to demarcate the mining area. That was done before the commencing mining activities.

19	No quarry blasting to be undertaken and sustained till warning	Noted
	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.	

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	Being
	by using coir mats or bio regeneration .proper drainage system	Complied
	shall be provides so the water is properly diverted away from	
	the dump slopes with no disturbance to the stability of the	
	slopes.	

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	Noted
	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.	

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	Noted
	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.	

The project proponent has initiated steps to construct garland drain to catch the rain water along 7.5 m buffer zone. This can divert the storm water entering the quarrying slopes.

Ī	23	The water from the garlands drainage shall directed to the silt	Being
		settling ponds. The clarified overflow from silt settling ponds	complied

shall be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural watercourse.

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 Will be width and strength (not less than 2m)shall be constructed at the complied bottom of the slope of the quarry .lease area to arrest any likely roll of boulders during heavy rainfall.

A retaining wall of laterite stone, of sufficient width and strength (not less than 2m) will be 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	Complied
	maintained property .some labourers shall be trained on First	
	Aid.	

The Project proponent has kept first aid box in the project site. The project proponent has given training for the three labours in the project site to use first aid box. Photograph showing First Aid Box is attached as Plate no.11

02 Whole some drinking water should be provided. Complied

In the project site pure drinking water is available at all time for everyone

Premises should be maintained as wet to suppress the dust. 03 complied

The project proponent sprinkles water on haulage roads and loading and unloading point to reduce the emission of dust

Sanitary type of latrines and urinals should be provided. 04 Complied

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	05	Resting place should be provided for workers.	Complied	
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Adequate rest rooms were provided by the project proponent has 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	Complied
		Act.	

In the project site the project proponent has displayed No smoking board. Photograph of the no smoking board is provided at Plate No. 7

07	Work should not be done in night.	Complied

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 guarry is from 7 am to 6 pm.

C	8(Details of nearest hospitals, shortest route to hospitals and	Complied
		contact no etc. Should be available.	

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

The project proponent properly maintains the approach road to arrest the dust emission and easy transportation.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART - B - GENERAL CONDITION

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

Compliance:

During the time of monsoon season all runoff from the guarry site is collecting at the rain water harvesting pond developed in the project site. The collection capacity of existing pond is more than sufficient. There is also a second pond is existing for rain water harvesting. Rain water is mainly used for gardening, wetting of roads, Washing of sand and splashing for contain dust emission. Photograph showing RWH pond is attached as Plate no.12

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

Compliance:

The Project Proponent has formed Environmental Monitoring Cell (EMC) with Mr. C G George as head of the monitoring cell. The EMC meeting convened once in two month regularly to evaluate and monitor quarrying work in connection with the specific and general conditions stipulated in the Environmental Clearance (EC) order. The details of the monitoring cell are given in the **Table No.1**. The NABET accredited consultant helps the company to upkeep the environment friendly mining

Table 1 - Environmental Monitoring Cell (EMC)

SI. 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	Complied
	tarred road and open parking areas, if any, inclusive of approach	
	road and internal roads.	

Suitable avenue trees were planted along either side of the roads and parking area by the project proponent. There are natural vegetations including trees, shrubs, herbs and climbers along the road side. This vegetation is working as green belt against emitting dust. Photograph of Plants along either side of the road is shown in Plate No. 1.

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

Compliance:

The project proponent has installed solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. As part of this, the project proponent could reduce the use of energy from conventional sources.

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

Compliance:

The project splashes the haulage road and critical areas with the help of vehicles in regular intervals to arrest dust emissions from the road while transportation of materials. The 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	Noted
	own cost of the project proponent.	

Compliance:

The project proponent has started to plant various saplings in the project site. In the mining activity eco restoration is in an integral part. 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	Noted
	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.	
		1

To conserve rain water, the project proponent will develop a pond after closure of the mine. The project will retain 10 percent of total excavated pit as rain water storage area. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco - restoration plan, the project proponent will plant indigenous plant species that are eco – friendly on the reclaimed area.

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

Compliance:

The project proponent has been carrying out many activities for social integration and community development. The details are given below in the table. The receipts and bills area attached as Annexure No. 12.

Table No.2 - CSR/CER Details

Sectors	Activities	Beneficiaries	Amount
			spent in Rs.
Infrastructure	Donation	P. Chandran, Palmi House, 27TH Mile,	
Development		Poolakutty	50000
	Donation	Ebrahim perunthodi	6911
	Donation	Kannan Vazhapilly kelakam	7500
	Donation	Bindhu Seminari villa	8775
	Donation	Rajesh kalluvalap	10034
Health	Medical Aid	PHC Kanichar (Paliytive care)	5000

Environment Green Belt Plant purchase		Plant purchase	4000
Protection			
Social Donation		st sebastian church elapeedika	10000
Donation Green Mara		Green Marathon peravoor	30000
Donation		Kerala vanavasi vikasa kendram	
		development	10000
	142220		

09	The lease area shall be fenced off with barbed wires to a maximum	Complied
	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.	

As per the stipulation of Department of Mining and geology and State Environment Impact Assessment Authority, the project propoent has fenced around the mining area to prevent falling of animals/human being/dumping of garbage etc, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. The photograph of the fencing is provided at **Plate No.15**.

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

Compliance:

To give warning to the labours and community people prior to the blasting in quarry, the project proponent has installed warning alarms as per the stipulation of Explosive department in the quarry site.

11	Control	measures	on	noise	and	vibration	prescribed	by	KSPCB	Complied
	should b	oe impleme	nted	l.						

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 masseurs. 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	Complied
	guidelines/specific conditions.	

Compliance:

To reduce noise & air pollution and community nuisance, guarrying activities are limited to day time. The project proponent is strictly adhered the guideline of pollution control board regarding the time schedule of the quarrying activities. The working time of the quarry is from 7.00am to 6.00 pm.

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

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 guarry 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

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	Being
	that may arise during transportation of materials.	Complied

Compliance:

To reduce emission of dust through the vehicle movement, the access road of 1 kilometre has tarred and maintaining in good manner. The project is spraying water on the road to arrest the dust production during summer season. Photograph showing Access Road is attached as Plate no.13

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

Compliance:

In a building stone quarry project, the overburden and topsoil need to extract during the time of mining, these natural resources is 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. Photograph showing Over Burden is attached as Plate no.14

17	Height of the benches should not exceed 5m, and width should not	Complied	ì
	be less than 5m, if there is no mention is the ining plan/specific		
	conditions.		Ì

Compliance:

To enhance safety and to promote eco friendly mining, the quarrying activity in the project site is progressing by creating benches of 5 meter width and 5 meter height. The formation of benches is under the direction and supervision of competent person. 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	Noted
	provided.	

Compliance:

The project proponent is using ordinary detonators for blasting. Therefore the problem with fly rock in the community is not happened. The project proponent also assures the maximum PPV is under 10 with the controlled blasting operations.

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

Compliance:

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	Noted
	greater	than 45 ⁰ .	

Compliance:

No mining operation is carried out with a slope greater than 45⁰.

21	Acoustic	enclosures	should	be	provided	to	reduce	sound	Being	ì
	amplificati	ions in addition	on to the	prov	isions of g	reen	belt and	hollow	Complied	
	brick env	elop for crus	shers so	that	the noise	leve	el is kept	within		ĺ
	prescribed	d standards g	iven by C	PCB	KSPCB.					ĺ
	p. 00011000	r clairadide g		. 55						

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	Complied	
	prote	ective equ	iipm	ents	such	as ear r	nuffs	s, helmet,	etc.				

Compliance:

To ensure the safety of labours in working site the project proponent 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	Complied
	around the core area to channelize storm water.	

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	complied
	contain dust emissions.	

To avoid dust emission from trucks while transportation of materials, the project proponent assures the trucks are covered before it leaves the project site.

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

Compliance:

The project 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.

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

Compliance:

A portion of spent oil is using in as lubricant in the project site. The excess used oil sold to the approved recyclers.

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

Compliance:

As part of safety guidelines of explosive department, explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine was fenced with barbed metal wire. The photograph of the magazine is attached as **Plate No. 9**

2	28	A minimum buffer distance of 100m meter from the boundary of the	complied
		quarry to the nearest dwelling unit or other structures, not being any	
		facility for mining shall be provided.	

Compliance:

The project proponent strictly adhered all guidelines issued by Kerala State Pollution Control Board. Adequate distance from the houses and other buildings are kept. 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:

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

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

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 Complied	
	applicable, by project proponents from the respective competent	
	authorities including that for blasting and storage of explosives.	

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
"Consent to Operate"	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

In the case of any change(s) in the scope of the project, extent 32 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.

Noted

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 proponent 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 | Noted 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.

Compliance:

To improve the safety of mine and human life, the project proponent will incorporate all possible measures in the mine industry if the authority instructs to add additional safeguard measures subsequently.

34 The stipulations by Statutory Authorities under different Acts and Noted Notifications should be complied with, including the provisions of Watel (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.

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.

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. 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.

Complied

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

**	SI. No.	News paper	Language	Date of edition
	1	Mangalam	Malayalam	21-10-2017
	2	The Hndu	English	21-10-2017

36	A copy of the clearance letter shall be sent by the proponent to	Complied	
	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.		

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 copy of the acknowledgement is attached as **Annexure No.7**

37	The proponent shall submit six monthly reports on the status of	Complied
	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.	

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 8, 10 & 11.

38	The details of Environmental Clearance should be prominently	complied
	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.	

The detail of the Environmental Clearance has display on metallic board in the 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	Complied	
	number and date of Environmental Clearance proceedings) that all		
	the conditions stipulated in the EC shall be scrupulously followed.		

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	Noted	
	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.		
	40	made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of	made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of

Compliance:

The mining is progressing as per submitted plan. The project proponent is not intending to expand the area of mine, technology and scope of working at the present working condition. 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	Noted
	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.

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 guarry 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

Compliance:

The project proponent has monitored the ambient air quality as per National Ambient Air quality Standard (NAQQS) by a NABL approved laboratory. The project proponent is intending to increase the splashing of water at unloading and transfer points. This activity can reduce the fugitive emission.

The top soil, if any, shall be temporarily stored at earmarked site(s) 43 only for the topsoil shall be used for land reclamation and plantation. The Over Burden (OB) generated during the mining operations shall be staked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.

Beiing complied

To prevent the soil erosion, the top soil and overburden is stacking 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).

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

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 silitation chambers 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 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

Compliance:

The project proponent splashes water in critical areas prone to air pollution with the help of vehicle and sprinklers regualry. 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	complied	
	regularly. Water spraying arrangements on haul roads, loading and		
	unloading and at transfer point should be provided and properly		
	maintained.		

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	Complied
	the work environment.	

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	Complied
	personal should be set up under the control of a senior executive,	
	who will report directly to the Head of the Organization.	

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	Being
	should be kept in separate account and should not be diverted for	complied

other purpose. Year wise expenditure should be reported to the State Environment Impact assessment authority (SEIAA) office.

Compliance:

The project proponent is keeping the fund earmarked for Environmental protection and CSR in a separate account and shall not divert. The project proponent could execute many activities under Corporate Social Responsibility (CSR) for community development. The details of CSR is mentioned in this report.

50	The Regional Office of MoEF &CC located at Bangalore shall monitor	Noted
	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.	

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 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	1	Any appeal against this environmental clearance shall lie with the	Noted
		National Green Tribunal, if preferred within a period of 30 days as	
		prescribed under section 16 of the National Green tribunal Act, 2010.	

52	Concealing the factual data or submission of false/ fabricated data	Noted
	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.	

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	Noted
	alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	

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 Noted				
	contrary, in consistent, or simplified, contained in any other permit,				
	license on consent given by any other authority for the same project.				

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	Noted
	lease period issued by the Govt. of Kerala, whichever is earlier.	

56	The environmental clearance will be subject to the final order of the	Noted
	courts in any pending litigation related to the land or project, in any	
	court of law.	

57	The mining operation shall be restricted to above ground water table	Noted
	and is should not intersect ground water table.	

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.

5	8	All vehicle used for transportation and within the mine shall have	complied
		"PUC" certificate from authorized pollution taking centre. Washing of	
		all vehicles shall be inside the lease area.	

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	Noted
	competent authorities for drawl of requisite quantity of surface water	
	and ground water for the project.	

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	Noted
	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.	

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 programe of the workers should be	complied
	under taken periodically to observe any contractions due to exposure	
	to dust and take corrective measures, if needed.	

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.

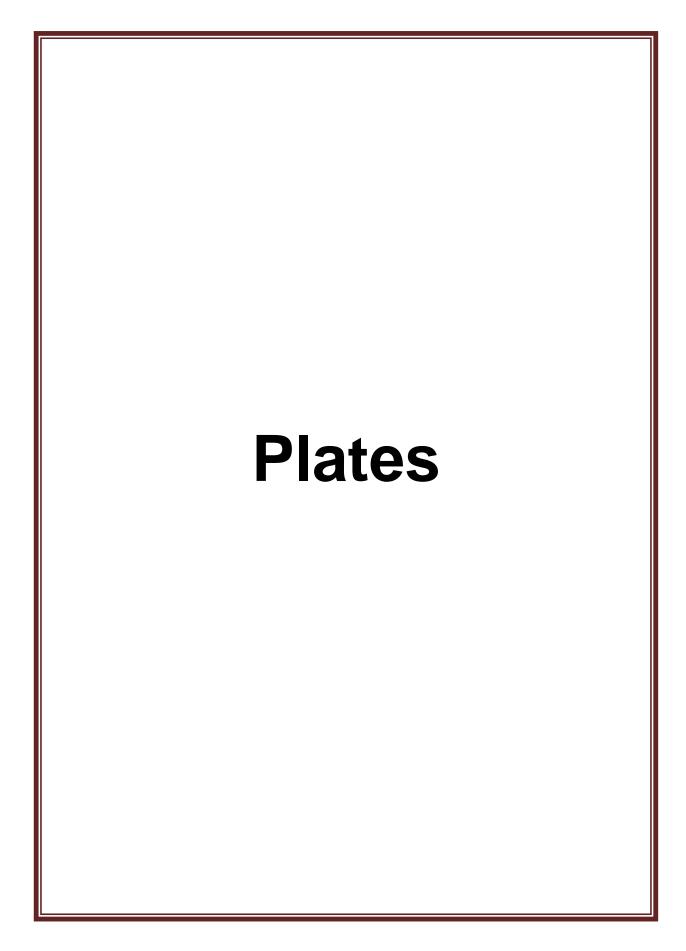


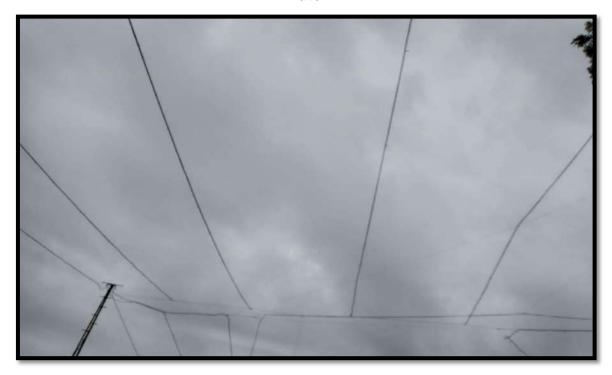
Plate 1



Bamboo



Planted plantation



Sprinklers in the Quarry Site





Benches in Mining area



Blasting Time

Plate 5





Sign Boards





Resting Room



No Smoking Board

Plate 8



Emergency Contact Numbers



Magazine Plate 10

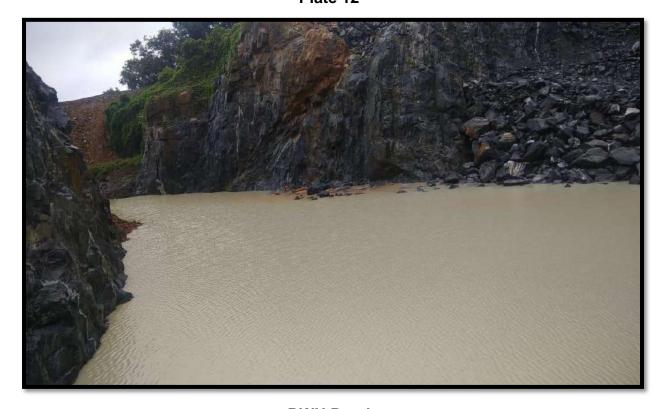


Metallic Board

Plate 11



F A Box Plate 12



RWH Pond

Plate 13



Access Road

Plate 14

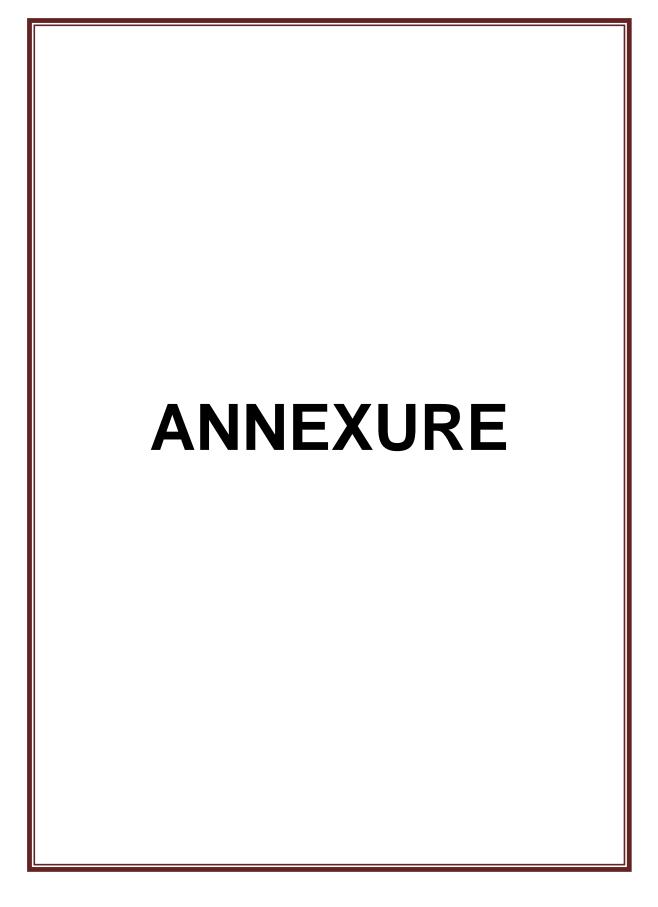


Over burden

Plate 15



Fencing







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.

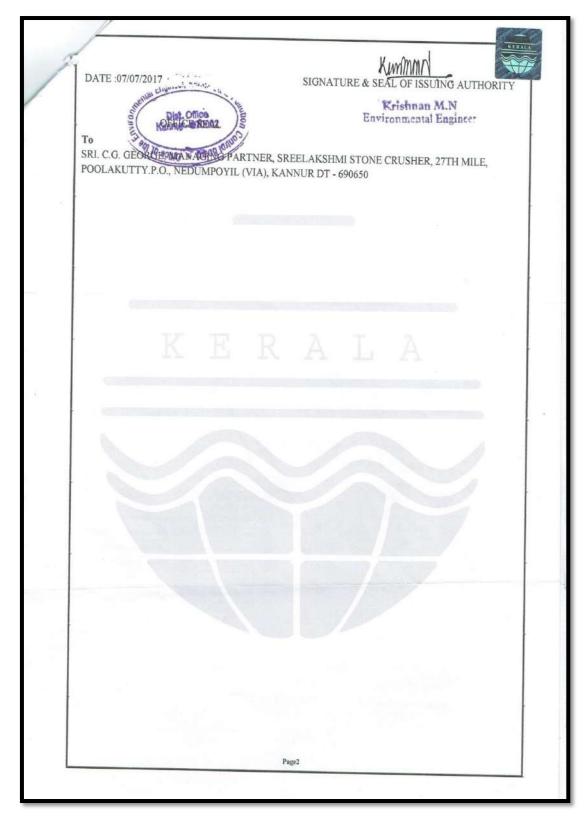
I. GENERAL

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.



Copy of Consent form PCB



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.

- 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/Envt 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

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

(विस्फोटक नियम, 2008 की अन्सूची 4 के भाग 1 के अन्च्छेद 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 अन्जप्ति

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 अन्ज्ञप्ति अन्दत्त की जाती है।

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

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

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

क्र Sr. No.	नाम और विवरण Name and Description			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. E	lectric and/or Ordinary Detonators	6,3	0	2000 Nos.

(ख) किसी एक कलैंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अन्च्छेद ३(ख) और (ग) के अधीन अन्त्रप्ति 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)]:

 निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पृष्टि होती है। The licensed premises shall conform to the following

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/111 (E96164) दिनांक (Dated) 06/09/2016

License

Photo-w

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

7. अन्ज्ञप्ति परिसर में निम्नलिखित स्विधाएं अंतर्विष्ट हैं। The licensed premises consist of following

drawing(s):

facilities.

CONSTRUCTED TYPE C MAGAZINE AS PER SPECIFICATION 2 OF SCHEDULE VII OF **EXPLOSIVE RULES 2008 FOR EXPLOSIVES AND** DETONATORS.

अन्जप्ति समय – समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधो, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबध्दों के अधीन रहते हुए अनुदत्त की

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

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

53 October 2019 – March 2020

- 2. अनुज्ञप्ति प्राधिकारी व्दाररा हस्ता.क्षरित इस अनुज्ञप्ति की शर्ते और अतिरिक्ति शर्ते। Conditions and Additional Conditions of this licence signed by the licensing authority.
- 3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 नार्च 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 अन्ज्ञप्त 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.

Ernakulam

तारीख | The Date - 06/09/2016

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

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

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

नवीनीकरण के पृष्ठांकन के लिए स्थान Space for Endorsement of Renewal

विकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुजापन 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 एरणाजनम Emakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरूपयोग 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

ലൈസൻസ് നമ്പർ. <u>A 2 15% 0 19</u> . തീയതി <u>Q3 04 2019</u>				
കാണി ചുപ്പാർ ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും				
	ഗ്രാമ പ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13			
	ം അതേ തിടർന്നുള്ള ചട്ടങ്ങളും അ			
	ഡി & ഒ ലൈസൻന	งั		
ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	พา ชา ธราสองสูง. อาธการาอง 21 สรุ้นาง , อาการาช 243 องาภิ อ	1) 03 - 97507212110h 670650		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	例とから 2000年 の 2000 2000 070650			
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കാരിങ്കൾ නිවරට හs හනු	~~		
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	ബർബ്ബേ നമ്പർ 1561			
ലൈസൻസ് കാലയളവ്	(2019 - 20)14:11.030	ൽ. 31: 03: 2 0 വരെ		
ഈടാക്കിയ ലൈസൻസ്	5000/ เจา	രസീത് നമ്പർ		
ഫീസ്		118020102483.91:270		
	PCB KNR/100/3200/2	871,624 ab 05) mg 23 m/A/2/60		
ലൈസൻസ് അനുവദിക്കു ന്നതിനായി ഹാജരാക്കിയ നീരാക്ഷേപ പത്രങ്ങളുടെ	② ののかられる 別を見る のにかのない ののかいかいかいかんかいから ③ ののなめのびを 割るとまる つかとかめので32 (2000)のの)。 EISE KC 22 11 KE 96164) 付は 15/02/19			
വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽ കിയ അധികാരസ്ഥാനം)	(4) Bry 20 20 20 20 20 20 20 20 20 20 20 20 20			
(45)	Gram / Exempt Fm /R /11	588/12/ N136/2100.		
HANCHAR GR	NOW NO	erry கேத்வி BABU THOMAS		
100		Kanichar Grama Panchaya P.O. Kanichar - 370674		

Copy of license from Gram Panchayat



Copy of Permit





Advertisement in Newspaper

M/s SRI LAKSHMI STONE CRUSHER

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

The Secretary, Kancihar 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,

- 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.
- 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 Srilakshmi stone crusher,

C.G George,

(Managing Partner)

Encl: As above

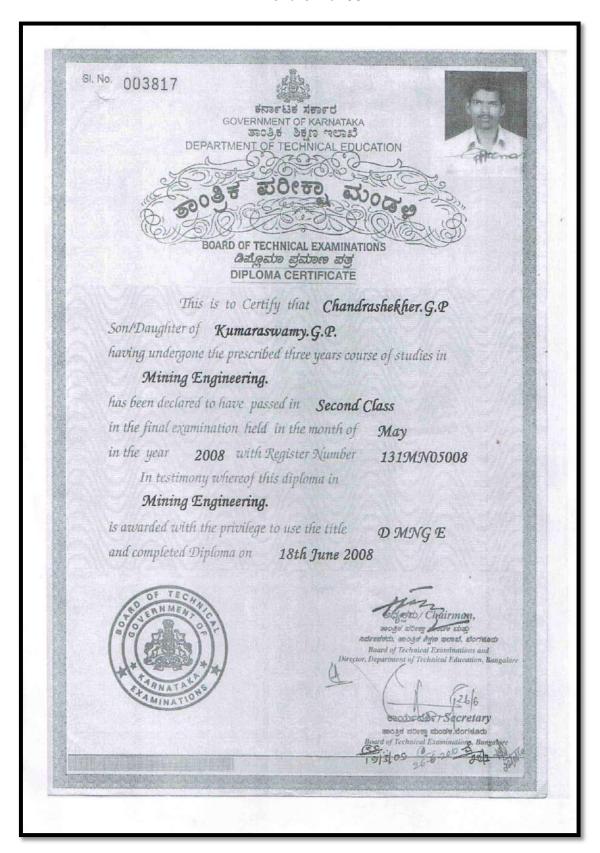
Pie C490 2412065, 9496049152

Copy of Acknowledgement

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

1		M/S Srilakshmi Stone crusher
	a. Name of Mine	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	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	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

Form D



Certificate of Mines manager





TEST REPORT

Test Report No	TC540219000004353F	Date: 26.12.2019	Page 1 of 1

	CUSTON	MER DETAILS				
		Mr. C.G George				
		Managing Partner				
Customer Details	Name & Address	M/s Sri. Lakshmi Stone	Crusher			
		27 th mile, Poolakutty,				
		Nidumpoyi, Kannur District				
	Monitoring Site	27 th mile				
	Survey No	1561				
Location of Site	Village	Kanichar				
Location of Site	Taluk	Iritty				
	District	Kannur				
	State	Kerala ,				
Customer Reference		Test Request form dated	20.12.2019			
		LE DETAILS	and the last of th			
Source of Sample Ambient Air Location of Monitoring South West Boundary		Sample Code	19000004353			
		Sampled By	Laboratory			
Date of Monitoring	20.12.2019	Test Started On	22.12.2019			
Sample Received On	22.12.2019	Test Completed On	26.12.2019			
Humidity	67%	Sampling Procedure	SEAAL/ENL/GEN/SOP/02			

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	μg/m³	52.8	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	μg/m³	18.6	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	μg/m³	< 2.00	. 80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	μg/m³	< 2.00	80.0

End of Report

For and on behalf of Standards Environmental & Analytical Laboratories



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: 2017 & "A" Grade Laboratory of KSPCB
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com

Result of Air





TEST REPORT

Test Report No: TC540219000004354F	Date: 26.12.2019	Page 1 of 1
		rage rorr

	CUST	OMER DETAILS				
Customer Details	Name & Address	Mr. C.G George Managing Partner M/s Sri. Lakshmi Stone Crusher 27 th mile, Poolakutty, Nidumpoyi, Kannur District				
	Monitoring Site	27 th mile				
	Survey No	1561				
Location of Site	Village	Kanichar				
Location of Site	Taluk	Iritty				
	District	Kannur				
	State	Kerala				
Customer Reference		Test Request Form Dated 20.12.2019				
	SAN	MPLE DETAILS				
Source of sample		Ambient Sound Level				
Sample Code		19000004354				
Location of Monitoring		North Side Boundary				
Date of Monitoring		20.12.2019				

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	37.1 dB (A)	23.00 Hrs	32.2 dB (A)
07.00 Hrs	39.7 dB (A)	00.00 Hrs	34.5 dB (A
08.00 Hrs	43.9 dB (A)	01.00 Hrs	35.2 dB (A)
09.00 Hrs	47.4 dB (A)	02.00 Hrs	34.9 dB (A)
10.00 Hrs	49.7 dB (A)	03.00 Hrs	35.5 dB (A)
11.00 Hrs	52.7 dB (A)	04.00 Hrs	34.5 dB (A)
12.00 Hrs	50.0 dB (A)	05.00 Hrs	36.2 dB (A)
13.00 Hrs	49.3 dB (A)		
14.00 Hrs	49.7 dB (A)	RESULTS	5.8
15.00 Hrs	50.0 dB (A)		
16.00 Hrs	51.2 dB (A)		
17.00 Hrs	. 51.6 dB (A)	Noise Level (Leq) Daytime	48.1 dB (A)
18.00 Hrs	46.2 dB (A)		2 /
19.00 Hrs	42.8 dB (A)		1
20.00 Hrs	39.0 dB (A)		
21.00 Hrs	38.5 dB (A)	Noise Level (Leq) Nighttime	34.9 dB (A)
22.00 Hrš	35.9 dB (A)		

End of Report

For and on behalf of Standard⁵ Environmental & Analytical Laboratories

Rija Joseph Technical Manager

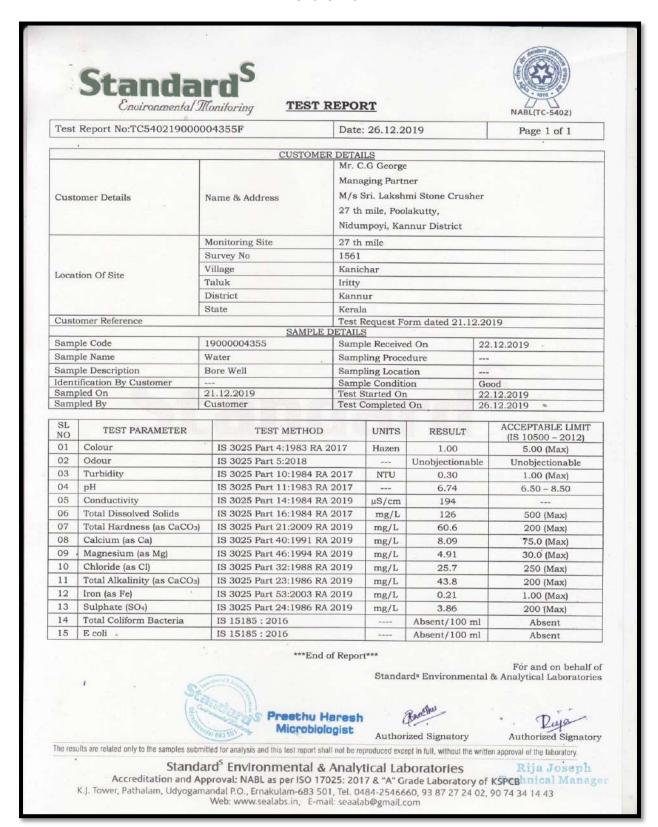
Authorized Signatory

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 approval of the laboratory.

Standard^s Environmental & Analytical Laboratories

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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

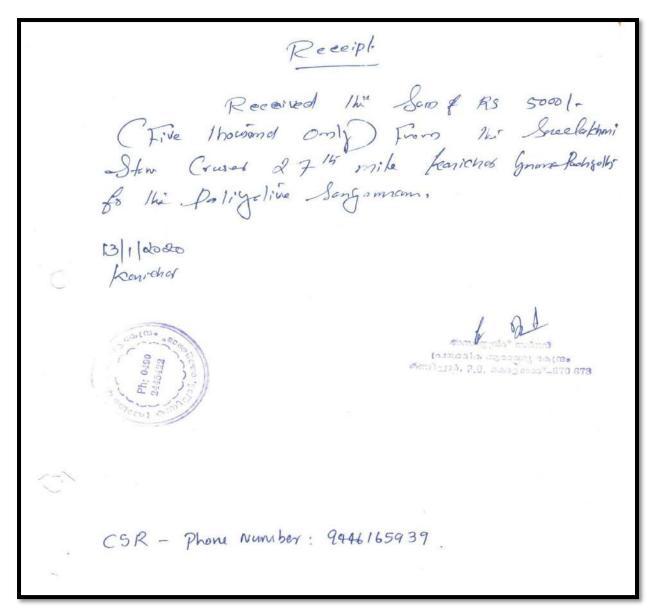
Result of Noise



Result of Water

MASA MENDRAM	Regd 61/79 Ph : 0495-2741416 KERALA VANAVASI VIKASA KENDRAM (Affiliated to Akhila Bharatheeya Vanavasi Kalyan Ashram) Near Saraswathi Vidhyamandiram High School Kottooly P.O., Kozhikode - 673 016 E-mail: kvvk1979.k@gmail.com
A VANJAVASI VIIK	Received with thanks from Shri/Smt. SREE NAKSHMI CRUSHER, Address 27 III Micle. Nedson Popil. Mob. the sum of Rupees 127 Thoc/Southon by Cash/Cheque/Draft No. Bank towards Donation/Subscription/
KERAL	Exemption u/s 80 G (5) (vi) of the income tax act 1961 granted vide order No. Tech. 31/80G (R) /22/CIT/CLT/2007-08 Dt. 26.03.2008. Pan No. AAATK 2806L

		rax	Invoice				
	kshmi Stone Crusher		Invoice No.			Dated	_
27th	ling No.VIII/14 Mile, Poolakkutty, Nedumpoyil		SU8472 Delivery		31-Oct-201 Mode/Terms		
	IN/UIN: 32ABYFS1283L1ZJ Name: Kerala, Code: 32		Supplier's			Other Refere	ence(s)
Buye			Buyer's C	Order No.		Dated	
	DHU SEMINARI VILLA		Despatch	Documen	t No.	Delivery Note	e Date
State	Name : Kerala, Code : 32		Despatch	ed through	8	Destination SEMINSRI	VILLA
			Terms of	Delivery			
SI	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
No. 1 PI	LASTERING SAND	25171010	50.00 CFT	20 00	5.72 GFT		2,786.00
Le	OUTPUT SGST 2.5% OUTPUT CGST 2.5% ROUND OFF				2.50 % 2.50 %		69.65 69.65 (-)0.30
	Tota	d	50.00 CFT	P.			₹ 2,925.00
Amou	nt Ghargeable (in words)						E. & O.E
INR	Two Thousand Nine Hundred Tw	enty Five O	(A.17)				
	HSN/SAC	Taxable Value	Central 1	Fax mount	Sta	ate Tax Amount	Total Tax Amount
2517	1010 Total	2,786.00 2,786.00	2.50%	69.65 69.65	2.50%	69.6 69. 6	5 139.30
Rema 2617 Declar We dithe gr	ration eclare that this invoice shows the actue oods described and that all particulars a	al price of	ne and Thirty	/ paise Oi		lor Srilakshmi S	Stone Crusher
-	correct.					Aut	horised Signatory





			100000000000000000000000000000000000000				220000		
Srilakshmi Stone Crusher Building No.VIII/14							Dated 31-Oct-201	9	
27th Mile, Poolakkutty, Nedumpoyil Kannur			Delivery No	oto			Mode/Terms		
GSTIN/UIN: 32ABYFS1283L1ZJ State Name : Kerala, Code : 32		Supplior's I	∃of.			Other Refere	nce(s)		
Buver			Buyer's Or	der No.			Dated		
BINDHU SEMINARI VILLA			Despatch D	ocumen	t No.		Delivery Note	Date	
State Name : Kerala, Code : 33	2		Despatche				Destination SEMINARI	VII I A	
			Terms of D				SEMINARI	VILLA	
SI Description of Goods		HSN/SAC	Quantity	Rate		per	Disc. %	Amount	
OUTPUT SGST 2.5 OUTPUT CGST 2.5 Loss: ROUND O		25171010	50.00 CFT			% % %		2,786.00 69.65 69.65 (-)0.36	
	Fotal		50.00 CFT					₹ 2,925.00	
Amount Chargeable (in words)								E. & O.E	
INR Two Thousand Nine Hundred	Twen	ty Five O	nly						
HSN/SAC		axable	Central Ta				ite Tax	Total	
2000000	- 0	Value				2	Amount	Tax Amount	
25171010 Total		2,786.00	2.50%	9% 69.65 69.65		%	69.65 69. 65		
Tax Amount (in words): INR One Hun Remarks: 2621 Declaration Declaration that this invoice shows the ar- the goods described and that all particular	ctual p	orice of	ne and Thirty _I	oaise O	nly	f	or Srilakshmi S	Stone Crusher	
the goods described and that all particule and correct.	ara are	true					Aut	horised Signatory	

	italiahani Ctana Caraban		Inveni	ge No.		Dated	
	ilakshmi Stone Crusher iilding No.VIII/14		SUS			31-Oct-20	19
27	th Mile, Poolakkutty, Nedumpoyil		Deliv	ery Note		Mode/Term	s of Payment
G	STIN/UIN: 32ABYFS1283L1ZJ ate Name: Kerala, Code: 32	SUB			Other Refer	ence(s)	
	yer		Buye	er's Order No.		Dated	
В	NDHU SEMINARI VILLA		Desp	atch Document	No.	Delivery No	te Date
St	ate Name ; Kerala, Code ; 32			atched through	ė.	Destination SEMINAR	
			Term	s of Delivery			
SI No.	Description of Goods	HSN/SAC	Quan	tity Flate	per	Disc. %	Amount
1	PLASTERING SAND	25171010	50.00	CFT 5	5.72 CF	r	2,786.00
	OUTPUT SGST 2.5% OUTPUT CGST 2.5% ROUND OFF				2.50 % 2.50 %		69.65 69.65 (-)0.36
	Tota		50.00	CET			
	nount Chargeable (in words)		30.00	CFI			₹ 2,925.00 E. & O.E
	R Two Thousand Nine Hundred Two	enty Five O	nly				E. & O.E
	HSN/SAC	Taxable		tral Tax		ate Tax	Total
		Value	Rate	Amount	Rate	Amount	Tax Amount
25	171010 Total	2,786.00 2,786.00	2.50%	69.65 69.65	2.50%	69.6 69. 6	
Re 26	x Amount (in words) : INR One Hundre marks: 14 claration	•	ne and Ti	hirty palse Or		lor Srilakshmi	Stone Crusher
	e declare that this invoice shows the actual goods described and that all particulars a	I price of					

Receipts of CSR Annexure