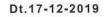
## **COMPLIANCE REPORT**

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

## April 2019 – September 2019



The Member Secretary District Environment Impact Assessment Authority (DEIAA), DEIAA, Kannur

Ref :- File No. 01/KNR/2017/DEIAA Sub :- Environment Clearance – Quarry project at Survey No. 275/1A in Trippangottur Village, Thalassery Taluk, Kannur District, Kerala – Compliance Report –First half - Reg.

#### **Respected Sir**,

The Quarry (Building stone) project was accorded Environmental Clearance for 3.7556 Ha. by order No. 01/KNR/2017/DEIAA dated 22-05-2017 by District Environmental Impact Assessment Authority, Kannur, Kerala. The compliance report of First half (April 2019 – September 2019) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you, Yours respectfully,



Mr. Jovin George

Copy to :-

Member Secretary, SEIAA, Trivandrum

Member Secretary, DEIAA, Kannnur OR RDO , Kannur

#### **COMPLIANCE REPORT**

#### ТО

#### THE CONDITIONS

#### OF

#### **ENVIRONMENTAL CLEARANCE ORDER**

#### NO: 01/KNR/2017/ DEIAA

#### Dated: 22-05-2017

BΥ

#### DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (DEIAA)

#### FOR

#### **BUILDING STONE QUARRY**

#### (MINOR MINERAL MINING) PROJECT

ΑΤ

#### SURVEY NOS. 275/1A

#### MADATHINAMATTATHIL, PALISSERY, TRIPANGOTTUR VILLAGE, THALASEERY TALUK, KANNUR DISTRICT, KERALA

BY

#### Mr. JOVIN GEORGE

#### **KANNUR DISTRICT**

#### **KERALA**

#### INDEX

SI. No.	Particulars	Page No.
1.	Introduction	7
2.	Compliance Report – Specific conditions – Part A	8
3.	Conditions of Health	15
4.	Compliance Report – General conditions – Part B	18
5.	Plates	39
5.	Annexure	46

Quarry project of Mr. Jovin George

#### LIST OF PLATES

Plate No.	Particulars	Page No.
1.	Photograph of Board showing blasting time	40
2.	Boundary Pillars	40
3.	Sanitary latrine and urinals	41
4.	Resting Rooms	41
5.	No Smoking Board	42
6.	Photograph of Emergency Contact Numbers	42
7.	Photograph of Avenue Trees	43
8.	Photograph of Magazine	43
9.	Photograph of sign Boards	44
10	Photograph of metallic board	44
11	Photograph of Eco restoration	45
12	Photograph of mining area	45

#### LIST OF ANNEXURE

Annexure No.	Particulars	Page No.
1.	Copy of Licensed Person & Form D	47
2.	Copy of Form D	49
3.	Copy of the "Consent to Operate" from Kerala State Pollution Control Board (Renewal)	50
4.	Copy of E C order	51
5.	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	52
6.	Copy of License for quarry operations from Gram Panchayath	55
7.	Copy of permit from mining and Geology Dept.	56
8.	Copy of Acknowledgement	57
9.	Result of Air	58
10.	Result of Sound	59
11.	Result of water	60
12	Details of CSr	61
12A	Receipts of CSR	62

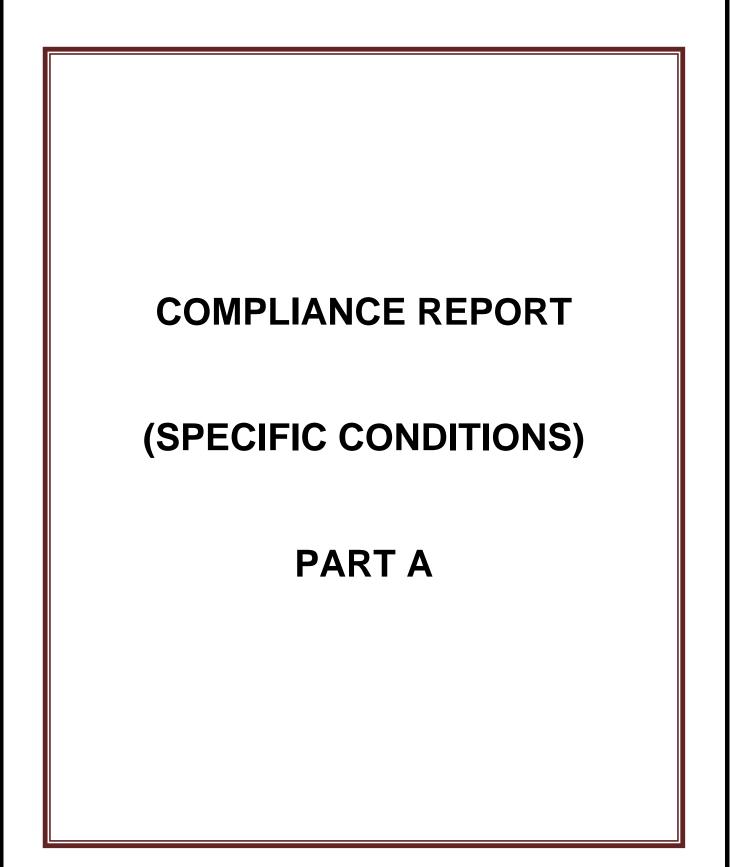
#### INTRODUCTION

Quarry project of **Mr. Jovin George** Madathinamattathil, Palissery, Thalassery P.O. is situated at Survey No. 275/1A, Trippangottur Village, Thalassery Taluk, Kannur District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by District Environmental Impact Assessment Authority, Kannur on 22-05-2017. As part of general condition No.36 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of First half to the specific conditions, health conditions and general conditions of Environmental Clearance order for period the the of April 2019 – September 2019 is being submitted.

The quarry project was closed down from 07-08-2019 to 17-10-2019 due to rain. The direction for stopping of all quarrying activities was issued by the district administration.

Quarry project of Mr. Jovin George



#### **PART - A – SPECIFIC CONDITIONS**

#### 01 A mines manager shall be appointed to control ,direct, manage complied and supervise the quarrying operations required under the mines Act ,1952

As per the Mines Act 1952, the project proponent has appointed a mines manger to control, direct, manage and supervise the quarrying operations. The certificate of Mines engineer is attached as **Annexure No.1** and Form D is attached as **Annexure No 2** for the reference.

## 02 Health and welfare for the persons employed shall be complied 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 are provided by the project proponent.

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

The blasting is carrying out in controlled manner by using ordinary/electric delayed detonators. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency. No work will be there in the quarry site at Night. The blasting time in the quarry is fixed at 9.00 am-10.30 am, 2.00 pm- 3.00 pm and 4.00 pm to 5.30 pm. The mitigate measures to arrest ground vibration and fly rock is detailed in General condition No 11. The photograph of the Time showing blasting board is attached as **Plate No. 1**.

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 nonmineralized area by planting suitable native species in consultation with the local DFO/Agriculture department.

The project proponent has planted more than 150 saplings in this period at project site to develop a green belt around the project area. Green belt of adequate width is provided all around the Lease Area with Plantation of Native species in consultation with the Local DFO/Agriculture Department.

05The drains should be regularly de silted and maintainedCompliedproperly check dam and gully checks shall be constructedwherever to required to arrest siltation.de siltation shall be doneevery year before the onset of monsoon

The drainages and gully checks are being de- silted for proper de-siltation of storm water runoff. To arrest the quarry waste entering in to the public drain and stream, the project has constructed De siltation chambers along the drainage.

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

As part of demarcation and enhance safety, the project proponent has erected barbed metal wire fencing around the mining area with height of 5 ft. 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 project proponent has redrafted the CSR by including the ground water recharging techniques. The same was submitted to DEIAA.

#### 08Appropriates sign boards should be displayed.Complied

The project proponent has installed appropriate sign boards in the project site. The photograph of the signboards is provided at **Plate No. 9**.

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

The blasting time is fixed at 9.00 am-10.30 am, 2.00 pm- 3.00 pm and 4.00 pm to 5.30 pm on all working days in the quarry. A board containing blasting time is displayed in the project site. The photograph of the Time showing blasting board is attached as **Plate No. 1.** 

10	Dust suppression mechanism must be in place.	Complied
		•

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.

11	A separate small plot to be maintained in the premise to	Complied
	preserve rare and endemic species .lf any ,listed in the	
	biodiversity assessment etc.	

The project started to plant various saplings in the project site. The Project has demarcated a small plot to preserve the endemic and native species.

12	The PPV values must be less than 10 mm/sec.	Noted

The project proponent is using controlled blasting by using electric/ordinary delayed detonators. Blasting operations are controlled by a qualified person. Therefore the project proponent can limit the PPV under 10 mm/sec

ſ	13	The green belt shall be provides around the periphery.	being
			complied

The project has started to plant various saplings around the lease area to develop Green belt around the project area. This can reduce air and noise pollution.

## 14Where the height of the bench formed during earlier workingsNotedexceeds the maximum each of the excavator engaged for work,<br/>such bench height shall be reduced from top to bottom.Noted

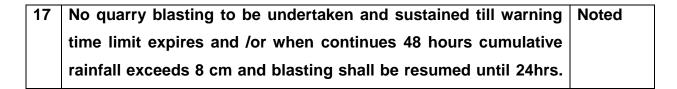
The extraction of minerals will be from top to bottom. The maximum height of all benches will be 5 meters. All mining activities are progressing under the supervision of qualified personals.

15	Loose or hanging rock or mineral boulder on the side wall shall	Complied
	be dressed down before engaging persons for work at the	
	bottom of the bench.	

To remove the loose or hanging mineral boulders on the side wall the project proponent deploys machines like JCB. The labours works on the bottom of bench, only after clearing such loose minerals form the side wall.

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

To demarcate the mining area, permanent Boundary pillars were fixed at each bent of the lease area. The photograph of the boundary pillars is provided at **Plate No. 2**.



of rain free situation arises in the quarry locality based on the evaluation by the revenue officials.

The quarry project was stopped 07-08-2019 to 17-10-2019 due to rain. The closing down of the quarry project was the direction of district administration.

18 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 will be stabilised by using coir mats or bio regeneration. The drainages are constructed in the project site. This will help to manage the storm water during monsoon season.

19All dumps slopes shall be sufficiently stabilized by using<br/>appropriate species mix of grass .creepers, shrubs &trees. This<br/>shall be done in consultation with the forest department and<br/>local research institution and experts in stabilization of mine<br/>dumps.Noted

The project will plant appropriate grass on the dump to prevent sliding and soil erosion once it is attain its maximum capacity. The overburden and topsoil stacking is progressing in the project site. it is being stacked in the project site.

20	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.	

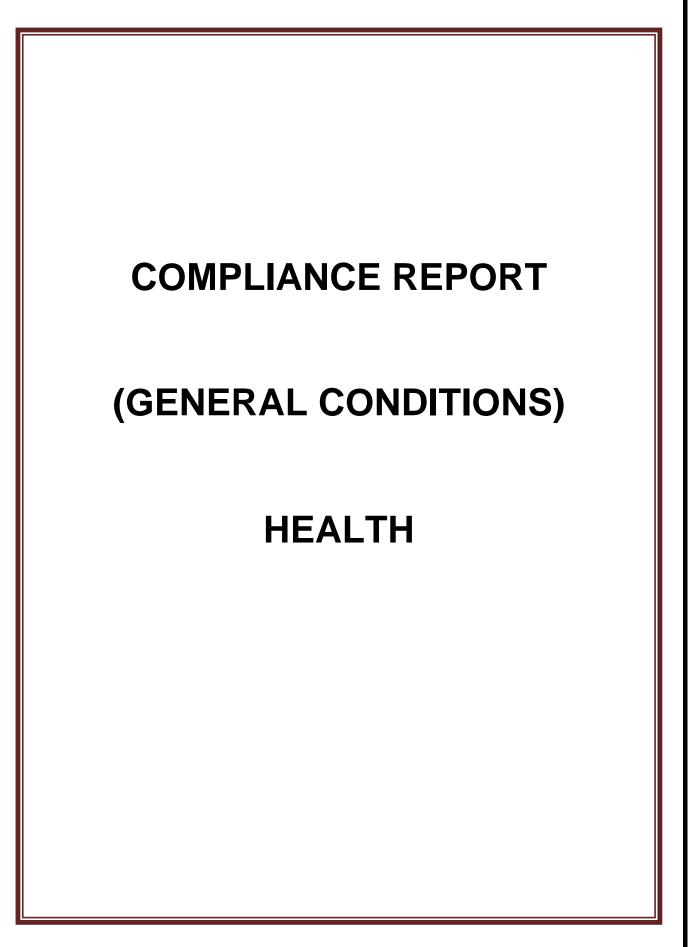
The project proponent has constructed garland drain to catch the rain water along 7.5 m buffer zone. This can divert the storm water entering the quarrying slopes.

21The water from the garlands drainage shall directed to the siltWill besettling ponds. The clarified overflow from silt settling pondscompliedshall be directed to a Rain Water Harvesting (RWH) pond beforereleasing the clarified water to the natural watercourse.

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

22A retaining wall of stone rubbles with wire mesh, of sufficientCompliedwidth and strength (not less than 2m)shall be constructed at the<br/>bottom of the slope of the quarry .lease area to arrest any likely<br/>roll of boulders during heavy rainfall.

At the bottom of the slope the project has constructed a retaining wall with stone rubbles. This can prevent sliding and slumping. This has done at appropriate place in the mining area.



## 01First Aid kit provide in the work site. It shall be periodicallyCompliedmaintained property .some labourers shall be trained on FirstAid.

The project proponent is keeping first aid box in the project site. The training on first aid provided to selected labours..

02 Whole some drinking water should be provided. Complie
--

Drinking water will be available at all time in the project area.

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 un loading point to reduce the emission of dust

Complied	Sanitary type of latrines and urinals should be provided.	Ī
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The project proponent gives importance to the sanitary needs of workers in the project site. So the project proponent has given sanitary type of latrine and urinals to every labour in the project site. The photograph showing sanitary type of latrines and urinals are attached as **plate No. 3** 

05	Resting place should be provided for workers.	Complied	
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The project proponent has provided adequate rest rooms in the project area to get proper rest to the labours. **Plate No. 4** shows the resting place of workers

06	'No Smoking' board should be exhibited according to COTPA	Complied
	Act.	

The project proponent has displayed No smoking area in the project site. The photograph of the no smoking board is provided at **Plate No. 5**.

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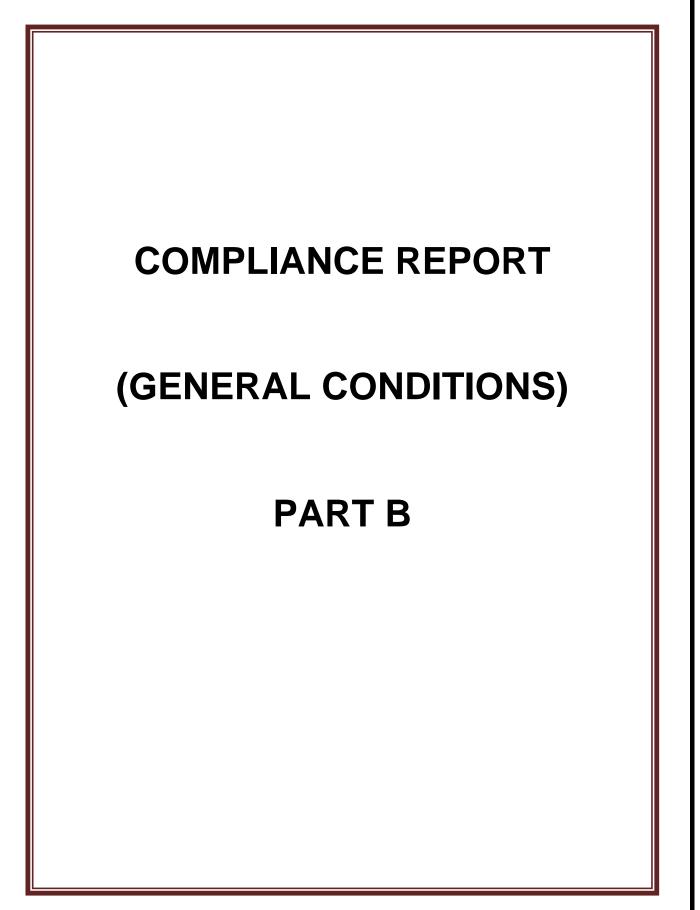
To reduce the inconvenience of community, the quarrying activities are limited to day time only as per KSPCB guidelines. The working time of quarry is at the 7 am to 6 pm.

08	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. 6** Shows the board fixed with Emergency contact numbers

09	Approach roads should be maintained properly.	Being
		complied

The approach road has been properly maintaining by the project proponent to arrest the dust emission and easy transportation.



#### PART – B – GENERAL CONDITION

01	Rain	Water	Harvesting	capacity	should	be	installed	as	per	the	Complied
	preva	iling pro	ovisions of K	MBR / KP	BR, unle	ess (	otherwise	spe	cified	ł.	

#### 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. The storm water flow is leading to the pond through natural drainage.

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

#### Compliance:

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

SI. No.	Post		Name
1	Head of monitoring cell		Mr. Jovin George
2	Member		C G George
3	Member		Kadappa Khadar Vali

<u>Table</u>	1 -	<b>Environmental</b>	Monitoring	Cell (EMC)

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.	

#### Compliance:

The green belt can reduce the adverse effect of mining industry. To reduce air and noise pollution, the project proponent has planted few avenue trees along either side of the road. There is natural vegetation including trees are presents in the sides of road and parking area. will help to reduce air and sound pollution. The photographs of avenue trees planted in the road side are given in **Plate No.7**.

04	Maximum possible solar energy generation and utilization shall be	Will be	9
	ensured as an essential part of the project.	Complied	

#### Compliance:

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

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

#### Compliance:

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

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

#### 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	Will	be
	retained as water storage areas and the remaining area should be	compli	ed
	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.		

#### 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	Complied
	should be implemented.	

#### 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 first half is attached as **Annexure No.12.** Receipts of CSR is attached as **Annexure No. 12A**.

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.	

#### Compliance:

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

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

#### Compliance:

To comply condition stipulated by Explosive department and Environmental clearance order, the project proponent has installed warning alarms in the quarry site. This alarm can intimate the general public that the blasting is going to happen.

11Control measures on noise and vibration prescribed by KSPCBCompliedshould be implemented.

#### 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., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- > The mining activity held in day time only.

#### **Blast vibrations and control measures**

- Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- 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.
- The project proponent has appointed qualified persons to monitor the mining operations
- 12Quarrying activities should be limited to day time as per KSPCBCompliedguidelines/specific conditions.

#### 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 Quarrying time is from 7 am - 6 pm.

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

#### Compliance:

All blasting activities are supervising by a qualified person with the specified regulations of explosive department. The blasting is carrying out in controlled manner by using ordinary/electric delayed detonators. The blasting time is fixed at 9.00 am-10.30 am, 2.00 pm- 3.00 pm and 4.00 pm to 5.30 pm. The photograph of the Time showing blasting board is attached as **Plate No. 1**.

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

#### Compliance:

The project proponent has appointed mines manager in the site to supervise/control exploitation of minor minerals including blasting at the project site. The certificate of licensed person is attached as **Annexure No. 1** and Form D is attached as **Annexure No. 2** 

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

#### Compliance:

The project splashes water on the road to arrest the dust production during summer season. To contain dust emissions and for the trouble free transportation of materials, the project will tar the access road in the quarry site.

I	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:

The overburden and topsoil need to extract during the time of mining, these natural resources will be 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.

17Height of the benches should not exceed 5m, and width should notBeingbe less than 5m, if there is no mention is the mining plan/specificCompliedconditions.Complexity

#### **Compliance:**

The quarrying has been carried out as per mining plan. To enhance safety and conserve environment, the project will extract the minerals by creating benches. The benches will not exceed 5 meters of height and the width of the bench will have minimum of 5 meters. The quarrying is carrying out as per mining plan submitted before the DEIAA.

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

#### Compliance:

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

1	9	Maximum depth of mining from general ground level at site shall not	Will	be
		exceed 10m.	comp	lied

#### 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 **Noted** greater than 45<sup>0</sup>.

#### Compliance:

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

21	Acoustic	enclosures	should	be	provided	to	reduce	sound	Being
	amplificat	ions in additio	on to the	prov	visions of g	reen	belt and	hollow	Complied
	brick env	elop for crus	shers so	that	the noise	leve	el is kept	within	
	prescribed	d standards g	iven by C	PCB	/KSPCB.				

#### Compliance:

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

22	The	workers	on	the	site	should	be	provided	with	the	required	Complied	
	prote	ective equ	ipm	ents	such	as ear r	nuff	s, helmet,	etc.				

#### 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 Noted	]
	around the core area to channelize storm water.	

#### Compliance:

The proponent is very conscious to prevent all quarry waste to enter in the the public drainage or stream. The project has constructed storm water drains in the lower slopes of the project area for effective management of storm water. This helps to channelize the storm water to the rain water collection pond and the most of the debris will be settled down in the bottom of the pond. The clarifiers will be installed soon.

24	The transportation of minerals should be done in covered trucks to	Complied	1
	contain dust emissions.		1

#### Compliance:

To avoid dust emission while transportation of materials, the project assures the trucks were covered before it leaving 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 proponent is being planted 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 has planted more than 150 plants in the project site.

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

#### Compliance:

Disposal of spent oil from diesel engines will sell to the approved recyclers/ local recyclers. A portion of the portion of the used oil is uses as lubricant.

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

#### Compliance:

As part of safety, 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. **Plate No 8** shows the photograph of the Magazine. 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.

#### Compliance:

The norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is 50 meter form the mining area. To reduce the adverse impact on community life, the distance of the nearest house is 143 meter form the quarry.

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	Complied
	Act(s) should have been obtained before initiating activity.	

#### 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.3**.

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. 3, 4, 5, 6 & 7**. The details are given in **Table No 3** 

Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order	State Environmental Impact Assessment
	Authority, Kerala
"Consent to Operate"	Kerala State Pollution Control Board
Explosive License	Ministry of Commerce & Industry – Petroleum
	& Explosives Safety Organization (PESO)
License for quarry operations	Gram Panchayath
Permit order	Directorate of Mining and Geology

#### TABLE 3 – APPROVALS FROM COMPETENT AUTHORITIES

**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 environemental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.

#### Compliance:

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

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

#### Compliance:

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 Noted	
	Notifications should be complied with, including the provisions of Wate	
	(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.

35	The project proponent should advertise in at least two local news	Complied
	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.	

#### Compliance:

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala.

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.

#### 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 Acknowledgement of the clearance letter sent to the panchayth is attached as **Annexure No. 8** 

**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.

#### 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 are attached as **Annexure No. 9, 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.

#### Compliance:

The conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font was installed. The photograph of the metallic board is attaché as **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.	

#### Compliance:

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. 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:

There is no such natural water course or thodu is flowing along the project site. The project will ensure the natural runoff of storm water. No stream is originating from the lease area. The nearby water body is Vamanapuram River which is 10 Km away from the project site.

42	Monitoring of Ambient air Quality to be carried out based on the	Noted
	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.	

#### Compliance:

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

43	The top soil, if any, shall be temporarily stored at earmarked site(s)	Noted
	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.

#### Compliance:

The natural resources like top soil and overburden is 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), Kannur. The Environment Monitoring Cell will monitor the execution of eco restoration.

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.

#### Compliance:

The project proponent has being constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels will direct 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.

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

#### Compliance:

The project proponent is regularly checking the pollution of all vehicles in the site and spraying water in critical areas prone to air pollution with the help of vehicle. The project proponent will fix sprinklers in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The ambient air quality is monitoring with the help of an approved laboratory.

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

#### 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 are properly maintained.

### 47Measures should be taken for control of noise levels below 85ComplieddBA in the work environment.

#### Compliance:

The main sound generating activities 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. These are mentioned under the condition number 11.

48A separate Environmental Management Cell with suitableCompliedqualified personal should be set up under the control of a seniorexecutive, who will report directly to the Head of theOrganization.

#### Compliance:

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

49 The funds earmarked for environmental protection and CSR Being 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.

#### 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					Noted	
	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.						

#### 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 Noted the 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 Noted 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.

53 The SEIAA may revoke or suspend the order, for non Noted 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.

#### Compliance:

The project proponent is willing to implement the conditions stipulated in the Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

54	The above conditions shall prevail not withstanding anything to	Noted
	the 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 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	Noted
	mine lease period issued by the Govt. of Kerala, whichever is	
	earlier.	

56	The environmental clearance will be subject to the final order of	Noted
	the 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	Noted
	table 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 will restrict its mining operations above the ground water table.

58	All vehicle used for transportation and within the mine shall	Complied
	have "PUC" certificate from authorized pollution taking center.	
	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 conducts only in authorized pollution testing center.

59 Project proponent should obtain necessary prior permission of Noted the 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.

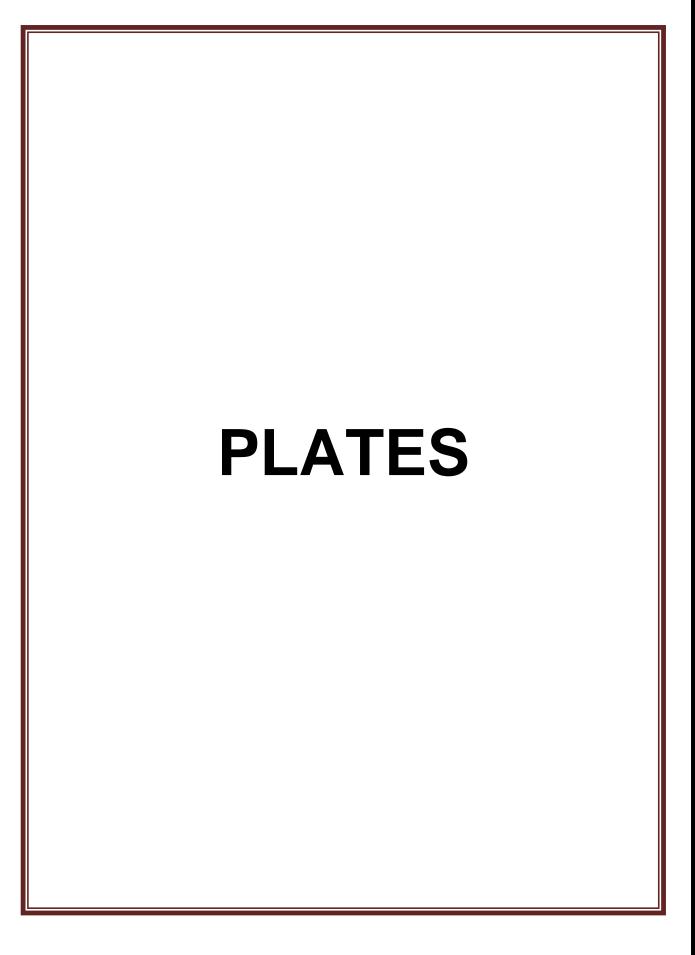
## Compliance:

There is no stream or springs flowing in and around to the mine lease area. The project 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	complied
	should be 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 Center (PHC) of Kerala government for the labours working in mining area and crusher.



# Plate No. 1



Board showing blasting time

Plate No. 2



**Boundary Pillars** 



Plate No. 3

Sanitary Latrine and Urinals



Plate No. 4

Resting Room

Plate No. 5



No Smoking Board



Plate No. 6

**Emergency Contact Numbers** 





Avenue Trees

Plate No. 8



Magazine





Sign Boards





Metallic Board



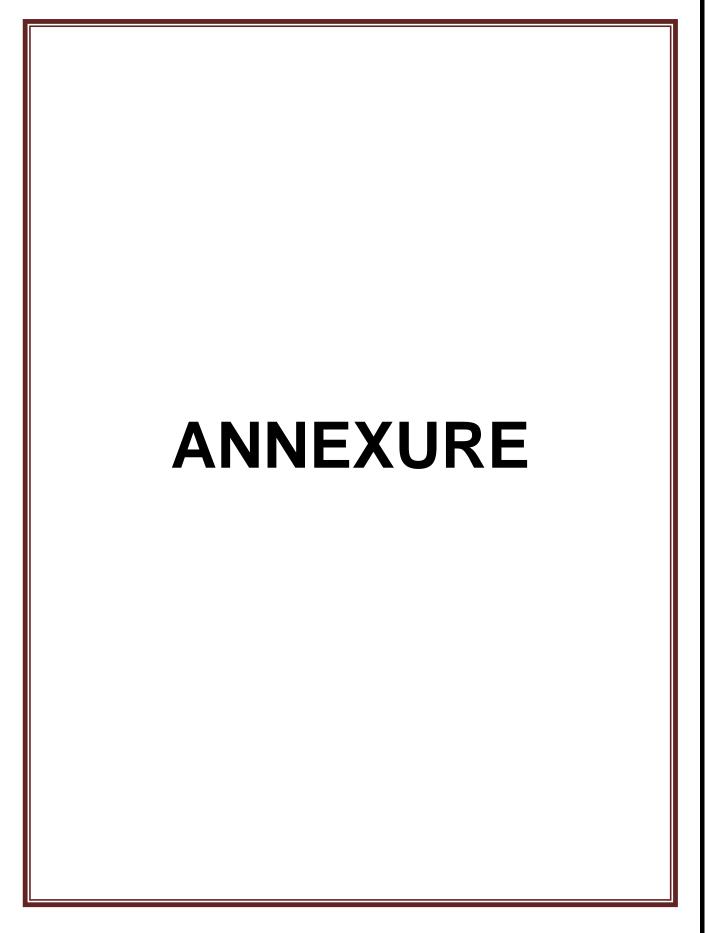


Eco restoration

Plate No. 12

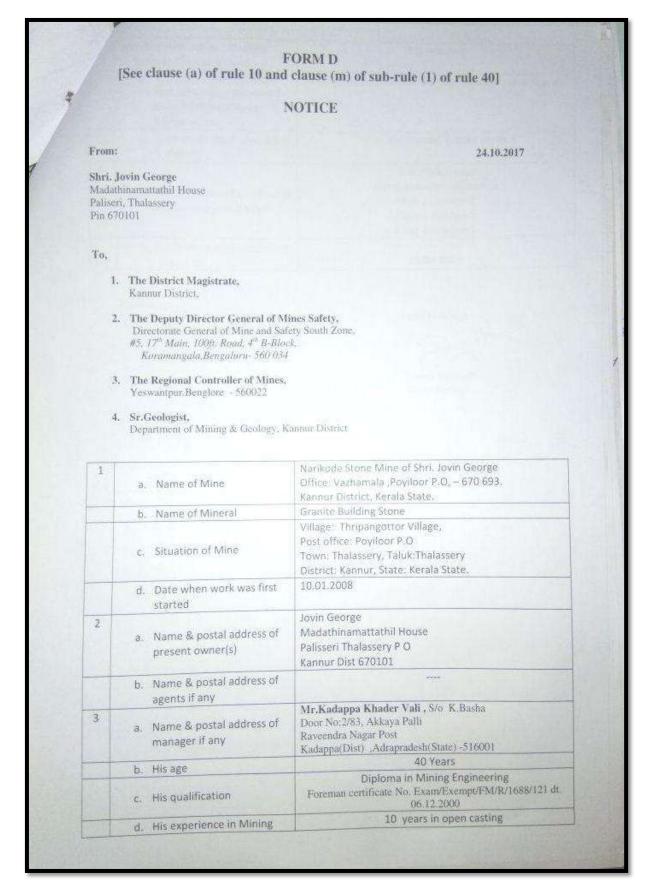


Photograph of Mining Area



the second second second 是不同工作了四路振扬。 GOWELNMENT OF INDIA MINISTERY OF LABOR DIRECTORETS GENERAL OF MUNICIPARETY NO. EXAMPTER TO THE TRANSPORT 06/12/34 DHANDAD, DATED MERGRANDUM Not Min application dated 25/07/28 by virtue of Covernment Nelification No. 712(E), dated 13/12/24. Shr: Kedapa Minder Vali 870 K.Basha Revindra Nagar Born on 10/May ,1977 (Seventyedver) possessing a Niploma in Manang Engineering and Mine ... Narveying approved under Neplanich 18 of Metallifericus Mines Regulations. 1901, and an homoletion of prescribed experience has become eligible to work in a capacity requiring possession of Foreman's Contifenate Restricted to Manes having opencest weekings only under Metalliterous Mines Regulations, 1961 with effect from - in the loss fill the above NotlEication remains in force and he has been medically examines and declared fit as provided under Remulations 30(1) tal of Metalliferens Mines Repulations, 1961. Sacretany, Hoard of Mining Examination. Directon of Mines Sufety (Estin) na Massipul r Han Qie Manue 61

Certificate of licensed Person



	Whether working are likely to	Yes in future
1	be Extended below ground	resarriduore
4.7	<ul> <li>Maximum depth of open cast excavation measured from its highest to its lowest point</li> </ul>	Above ground 4 meters from its highest to lowest point
	b. Date when depth exceeded 6 meter	Not Yet reached 6meter depth
6	a. Nature, amount and kind of explosives used if any	Nitrate Mixture Slurry emulsion explosives Class 2 division 0 Class 6 division 1 Class 6 division 3
	b. Date when explosives were first used	20.04.2015
		Yours faithfully
		(Jovin George) Mine Owner
		(Jorin George) Mine Owner

Form D

	KERALA STATE POLLU	TION CONTROL BOARD
	D. :PCB/KNR/ICE/1915/2014 ssue :23/05/2017	
	INTEGRATED CONSENT	FO OPERATE - RENEWAL
Consent	No : PCB/KNR/ICO-R/360/2017	
George,N QUARRY variation	OWNED BY JOVIN GEORGE, PATHIKAL, PO	or is hereby renewed up to 30/04/2020 and issued to M/s DYILOOR.P.O., KANNUR DT - 670693 The consent(s)/ his renewal order and this order is subject to the condition:
I. GENH		S.
		S. Description
I. GENH	RAL	
I. GENH	RAL Items	Description Sri. JOVIN GEORGE, MADATHINAMATTATHIL HOUSE, PALISERI, THALASSERY, P.O.,
I. GENH <u>S.No.</u> 1	Items 1.4 OCCUPIER DETAILS	Description Sri. JOVIN GEORGE, MADATHINAMATTATHIL HOUSE, PALISERI, THALASSERY, P.O., THALASSERY, KANNUR DT - 670101
I. GENH S.No. 1 2	Items I.4 OCCUPIER DETAILS I.14 CAPITAL INVESTMENT	Description Sri. JOVIN GEORGE, MADATHINAMATTATHIL HOUSE, PALISERI, THALASSERY,P.O., THALASSERY, KANNUR DT - 670101 40,00,000/-
I. GENE S.No. 1 2 3	Items  1.4 OCCUPIER DETAILS  1.14 CAPITAL INVESTMENT  1.1 VALIDITY	Description           Sri. JOVIN GEORGE,           MADATHINAMATTATHIL HOUSE,           PALISERI, THALASSERY, P.O.,           THALASSERY, KANNUR DT - 670101           40,00,000/-           30/04/2020
I. GENE S.No. 1 2 3 4	RAL Items 1.4 OCCUPIER DETAILS 1.14 CAPITAL INVESTMENT 1.1 VALIDITY 1.12 FEE REMITTED/YEAR	Description           Sri. JOVIN GEORGE,           MADATHINAMATTATHIL HOUSE,           PALISERI, THALASSERY, P.O.,           THALASSERY, KANNUR DT - 670101           40,00,000/-           30/04/2020           6560/-
I. GENE S.No. 1 2 3 4 5	Items  1.4 OCCUPIER DETAILS  1.14 CAPITAL INVESTMENT  1.1 VALIDITY  1.12 FEE REMITTED/YEAR  1.13 TOTAL FEE REMITTED	Description           Sri. JOVIN GEORGE, MADATHINAMATTATHIL HOUSE, PALISERI, THALASSERY.P.O., THALASSERY, KANNUR DT - 670101           40,00,000/-           30/04/2020           6560/-           19680/-           QUARRYING OF ROCK IN 3.7556

Copy of Consent form PCB

Validity expires on 21.05.2022 Proceedings of the District Environment Impact Assessment Authority Kannur Present: Sri. Mir Mohammed Ali I.A.S, Chairman; Sri. O Jayarajan I.F.S (Rtd), Member Sri.Suneel Pamidi.I.F.S, Member and Sri. P., Gangadaran, Member Secretary. Sub: DEIAA- Environmental clearance for the proposed Quarry project of Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O. for an area of 3.7556Hectares in Survey No. 275/1A of Tripangottur Village, Thalassery Taluk, Kannur District DISTRICT ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY, KANNUR No. 01/KNR/2017/DEIAA Dated, ,22/05/2017,Kannur Ref: 1. Online Application dated 17/01/2017 from Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O. Minutes of the 3<sup>rd</sup> meeting of DEAC held on17/03/2017.
 Minutes of the 5<sup>th</sup> meeting of DEAC held on 04/05/2017.
 Minutes of the 6<sup>th</sup> meeting of DEIAA held on 19/05/2017. **ENVIRONMENTAL CLEARANCE NO. 04/2017** Sri.Jovin George, Madathinamattathil, Palissery, Thalassery.P.O. vide his application received on 17/01/2017 , has sought Kannur District ,Kerala Environmental Clearance under EIA Notification, 2006 for the quarry project of an for an area of 3.7556Hectares in Survey No. 275/1A of Tripangottur Village, Thalassery Taluk, Kannur District . The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 and as per O.M. No. L-11011/47/2011-IA.II (M) dated 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 Latitude: 11°47'50.59"N to 11°47'59.02"N and longitude 75°40'41.61"E to 75°40'51.60"E". The land area consists of 3.7556hectares, which is private land. The and use chastication as per revenue records is Page 1 of 5

Copy of Environmental Clearance

भारत सरकार | Government of India वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry पेट्रोलिरम तथा विस्फोटक सुरक्षा संगठन (पेसी) | Petroleun & Explosives Safety Organisation (PESO) पूर्य नाम- विस्फोटक विभाग | Formerly- Department of Explosives केन्द्रीय भवन, ब्लाक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor CSEZ पी.ओ.कक्कानाड कोच्यी | CSEZ PO Kakkanad Dist. Emakulam Emakulam 682037 फोल (Phone):- 2427286 | फैक्स (Fax):- 2427276 ई-मेल Email: dycceernakulam@explosives.gov.in संख्या (No.): E/SE/kL/22/18(E85231) दिनांक (Date): 07/02/2019 सेवा में | To, JOVIN GEORGE, - 8 FEB 2019 Madathinamattathil House, Palisseri, Thalassery P.O., Thalassery, Kannur, Town/Village - Palisseri District-KANNUR, State-Kerala, Pincode - 670101 विषय : Survey No.275/1A, ग्राम Tripangottur, जिला KANNUR, राज्य Kerala में विस्फोटक के मैगजीन में उपयोग के लिए कव्जा हेत् विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुजसि सं E/SE/KL/22/18(E85231) के नवीनीकरण संदर्भ में। Possession for Use of of Explosives from magazine situated at Survey No.:275/1A, Tripangottur, Dist. KANNUR, Kerala -Licence Subject: No.: E/SE/KL/22/18(E85231) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding महोदय | Sir. आपका उपर्युक्त विषय पर पत्र संख्या Nil दिलांक 30/01/2019 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुजसि दिलांक 31/3/2024 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है। Reference to your letter No .: Nil dated: 30/01/2019, the subject licence duly renewed upto 31/3/2024 and issued in Form LE-3 of Explosives Rales, 2008 is forwarded herewith. अनुजसि के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिलांक 31/03/ 2024 से पहले इस कार्यालय को भेजे जाएं. For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2024. प्ररूप आरई-1 में विधियत पूर्ण एवं हस्ताक्षरित आवेदन। Application in Form RE-1 duly filled in and signed. एक से पाँच वर्ष के अनुजासि शुल्क का बैंक ड्राफ्ट। बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक के नाम आहरित, संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्जई के पक्ष में चेन्नई में देय हों । Licence fees for one to five years in the form of demand draft drawn on any Nationalized Bank in favour of Jt. Chief Controller of Explosives, Chennai payable at Chennai. अनुमोदित प्लान के साथ मूल अनुज्ञसि। Original licence with approved plan. कृपया इस संबंध में विस्फोटक नियम, 2008 के नियम 112 का भी संदर्भ ग्रहण करें। In this connection, please also refer to Rule 112 of Explosives Rules, 2008. विस्फोटकों के कय हेतु आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजी जाएं (आतिशबाजी गोदाम के लिए लागू लहीं )। Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office. (Not applicable for fireworks store house) कृपया विस्फोटकों की त्रैमासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाएं । विवरणी इस कार्यालय के कार्यालय में आगामी तिमाही के 10 तारीख से पहले पहुंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं ) | Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house) • सभी ब्लास्टिंग आपरेशन एक सक्षम द्वारा की जाएगी जो उपरोक्त नियमों के तहत एक वैध शॉट फायर प्रमाणपत्र धारक हो। हालांकि, खान अधिनियम 1952 के अधीन आने वाले खानों में ब्लास्टिंग आपरेशन करने वाले ब्लास्टर की योग्यता उसी अधिनियम से निर्धारित हो। All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act. आपके खाते में रूपए 700/- की राशि शेष हैं जो इस संदर्भ को उद्धत करते हुए भविष्य के संव्यवहार में समायोजित की जा सकती है । An amount of Rs. 700/- balance is in your credit, which may be utilized for future transaction by quoting this reference. भवदीय | Your's faithfully (आर.वेणुगोपाल | Dr. R.Venugopal) उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives Deputy Chief Controller of Explo troller of Explosives प्रतिलिपि प्रेषित | Copy Forwarded to: लम Ernakulam 1. जिला मजिस्ट्रेट (District Magistrate), KANNUR (Kerala)- सूचना के लिए (for information.) उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives कोचची | Ernakulam (अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क आदि के लिए हमारी वेबसाइट http://peso.gov.in देखे.) (For more information regarding status, fees and other details please visit our website http://peso.gov.in)

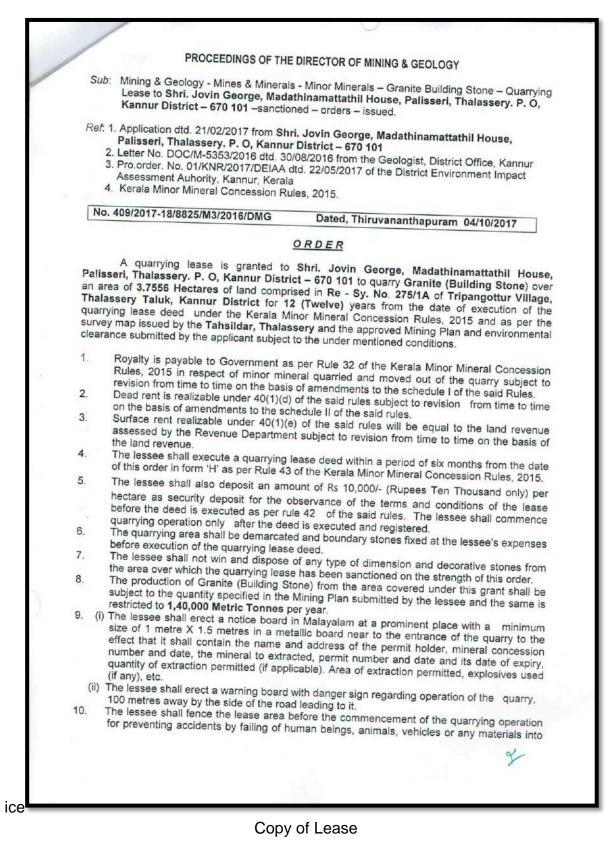
			IL ICENCE I	OPMIE 3		
	अनुराप्त प्र	V VA. 5	LICENCE I	OKM LL-5	में (का देखिए।)	
(विस्फ	टिक नियम, 2008 की	अनुसूचा 4	여 베네 I 여 3 C. L. J. J. TV - f	Evelosives P	(a) (a) (a (a) (a))	
(S	ee article 3(a) to (d) o	of Part 1 of	Schedule IV of	Explosives IN	x ( ) > >	
वयोग के लिए ए	क समय पर वर्ग 1,2,3,4	4,5 या वर्ग 7	के विस्फोटक या	किसी मेगजान	मि वग 6क विस्प	ाटक रखन क
		लिए	अनुजीर्स			
Treasure of the	Licence to possess : (c) f		sives of class 1, 2	,3,4,3,6 or / in	a magazine	
	No.) : E/SE/KL/22/18(J	E85231)				
वार्षिक फीस रुपए (Ar	nnual Fee Rs): 2400/-					
					10	6
1. Licence is hereby g	ranied to धिभोगी / Occupier : JOV	IN GEORGE)	Madathinamattath	il House, Palisser	1.	2
Thalassery P.O., Thala	assery, Kannur, Town/Villa	ge - Palisseri, I	District-KANNUR,	State-Kerala, Pinc	code -	27
670101					And with	rela-
को अनुजसि अनुदत	ा की जाती है।					X
	स्थिति   Status of licens		ıal		10 Not 11	ALENALE
<sup>3.</sup> अनूज्ञप्ति निम्नलियि	वेत प्रयोजनों के लिए वि	धिमान्य	possess for use o	of Nitrate Mix	ture, Safety Fuse,	Electric
考		:	and/or Ordinar	y Detonators,	- के उपयोग के लि	र
	ly for the following purp				Main Failth	1
4. अनुजसि विस्फोटको	ं के निम्नलिखित किस्न	मों, प्रकार और	मात्रा के लिए वि	वेधिमान्य है।		
Licence is valid for	the following kinds and	I quantity of	explosives: (क	) (a)		
<u>क</u>	नाम और विवरण			उप-प्रभाग	मात्रा किसी एक स	ामय में
Sr. No.	Name and Descripti			Sub-division	Quantity at any o	ne time
1. 15	Nitrate Mixture		2 ,0	0	125 Kg.	the second
2.	Safety Fuse		6 ,1	0	2000 Mtrs	Statement and Alternative
3. El	ectric and/or Ordinary D	etonators	6,3	0	3000 Nos.	
(ग) किसी एक कर्व	ांडर मास में खरीदे जाने	वाले विस्फो	टक की मात्रा (अ	नूच्छेद 3(ख) अं	र (ग) के अधीन	
भूचनपि के लिए।						25 times
(b) Quantity of ext	plosives to be purchased	in a calendar	r month[applicabl	le for licence un	nder article 3(b)	' as above.
and (c)]:						8
<sup>5.</sup> निम्नलिखित रेखा	चित्र (रेखाचित्रों) से अनुज	स परिसर की	ा पुष्टि होती रेखा	चित्र क. (Draw	ing No.) E/SE/KL/2	22/18(E85231)
21			· 6	क (Dated) 05/	5.92ES. (3)	a fisti and
	ises shall conform to the		rawing(s): .			
<sup>6.</sup> अन्जसि परिसर वि	नेम्नलिखित पते पर स्थि	पत हैं। The l	icensed premises	are situated at	following address:	
Survey No. 275/1	A, ग्राम (Town/Village	): Tripango	ttur		ना (Police Station	
जिला (District)	KANNUR	राज्य (Stat	1000		s (Pincode)	670693
दूरभाष (Phone)	9447485245	ई. मेल (E-	Mail)	फैक्स	(Fax)	
7. अनज्ञसि परिसर व	ां तिम्नलिखित सुविधाएं	अंतर्विष्ट हैं।				115 12 10
THE PARTY OF THE PARTY			: Two cemente	d magazines		
The licensed prem	nises consist of following	g facilities.				
<sup>8.</sup> अनज्ञपि समय -	समय पर यथासंशोधित	विस्फोटक अ	धिनियम, 1884 अं	ौर उनके अधीब	न विरचित विस्फोट	क नियम, 2004
के राज्ये शर्जी 3	गैर भविरिक शर्तों भौर	तिस्त्रतिखित	उपाबध्दों के अध	ीन रहते हुए 3	ानूदत्त की जाती है।	
The Basence is gra	nted subject to the provi	sion of Explo	osives Act 1884 a	s amended from	n time to time and	he Explosives
Rules 2008 fram	ed there under and the co	onditions, add	ditional condition	s and the lonov	ang Annexates.	
। उपर्यक्त कर	न सं. 5 में यथा कथित रे	खाचित्र (स्थान	न, सन्निर्माण संब	धी और अन्य	विवरण दशित करत	रे हुए)।
Drawings	showing site, constructi	onal and othe	er details) as state	d in serial No.	5 above.	
2 भनजमि प	ाधिकारी व्दाररा हस्ता.क्ष	रित इस अन	ज्ञप्ति की शर्ते औ	र अतिरिक्ति शत	ŤI	
Conditions	and Additional Conditi	ons of this lic	cence signed by the	he licensing aut	hority.	
3. दूरी प्ररूप	DE-2   Distance Form D	E-2.				
9.						and the second
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Children (Children (Childr						u.am
		5.74				

W		
यह अनुजांसे तारीख 3	1 मार्च 2019 तक विधिमान	य रहेगी। This licence shall remain valid till 31st day of March
यह अनुसास, आधानय	म या उसके अधीन विरचित	द तिरामों या अन्याती ध ने का के 0.00
	שמעבות איז אותו או אויעמא	10 फरने या यादे भन्नचं गणितन को लाग हो है।
This licence is liable to conditions of this licen	be suspended or revoked f	बित या प्रतिसंहत की जा सकती है, जहां वह लागू हो। or any violation of the Act or Rules framed there under or the II, wherever applicable, referred to in Part 4 of Schedule V or if the description shown in the plans and Annexure attached hereto.
तारीख   The Date - 05/	/03/2015	उप मुख्य विस्फोटक नियंत्रक   Dy. Chief Controller of Explos
Amendments :		Ernaku
Amendment of Quantity Amendment of Quantity Transfers :	v of Explosives Monthly P	urchase Limit dated : 15/03/2016 urchase Limit dated : 15/01/2018 urchase Limit dated : 08/08/2018 urchase Limit dated : 23/10/2018
	नवीनीकरण	0/07/2017 T के पृष्ठांकन के लिए स्थान r Endorsement of Renewal
नवीकरण की तारीख	समाप्ति की तारीख	
Date of Renewal	Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प
Date of Kenewal		Signature of licensing authority and stars
07/02/2019	31/03/2024	Signature of licensing authority and stamp Dy. Chief Controller of Explosives. Emakulan
07/02/2019 कानूनी चेतावनी : विस्फो	31/03/2024 टकों को गलन दंग से चला	Dy. Chief Controller of Explosives, Ernakulam
07/02/2019 कानूनी चेतावनी : विस्फो	31/03/2024 टकों को गलन दंग से चला	Dy. Chief Controller of Explosives, Ernakulam
07/02/2019 कानूनी चेतावनी : विस्फो	31/03/2024 टकों को गलन दंग से चला	Dy. Chief Controller of Explosives, Ernakulam
07/02/2019 कानूनी चेतावनी : विस्फो	31/03/2024 टकों को गलन दंग से चला	Dy. Chief Controller of Explosives, Ernakulam अन पुरुष विषयोदक विषयवक Deputy Chief Controller of Explosives प्रथानवुरुषा Ernstedam ने या उनका दुरुपयोग विधि के अधीन गंभीर दांडिक अपराध होगा xplosives shall constitute serious criminal offence under the law
07/02/2019 कानूनी चेतावनी : विस्फो Statutory Warning : Mi	31/03/2024 टकों को गलत ढंग से चला shandling and misuse of e	Dy. Chief Controller of Explosives, Ernakulam अप पुरुष निर्णावक निर्धावक Deputy Chief Controller of Explosives परणावुल्डा Ernsholam ने या उलका दुरुपयोग विधि के अधील गंभीर दांडिक अपराध होगा xplosives shall constitute serious criminal offence under the law
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07/02/2019 कानूनी चेतावनी : विस्फो Statutory Warning : Mi	31/03/2024 टकों को गलत ढंग से चला shandling and misuse of e	Dy. Chief Controller of Explosives, Ernakulam प्रमानुकार विषयोदक Deputy Chief Controller of Explosives प्रमानुकार Ernstellam ने या उनका दुरूपयोग विधि के अधीन गंभीर दांडिक अपराध होगा xplosives shall constitute serious criminal offence under the law
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07/02/2019 कान् <b>त्</b> ी चेतावनी : विस्फो Statutory Warning : Mi	31/03/2024 टकों को गलत ढंग से चला shandling and misuse of e	Dy. Chief Controller of Explosives, Ernakulam Deputy Chief Controller of Explosives एपपालुकार Ernakulan ने या उनका दुरूपयोग विधि के अधील गंभीर दांडिक अपराध होगा xplosives shall constitute serious criminal offence under the law
07/02/2019 कानूनी चेतावनी : विस्फो Statutory Warning : Mi	31/03/2024 टकों को गलत ढंग से चला shandling and misuse of e	Dy. Chief Controller of Explosives, Emakulam Deputy Chief Controller of Explosives एएपानुस्ता Enablism ने या उनका दुरूपयोग विधि के अधीन गंभीर दांडिक अपराध होगा xplosives shall constitute serious criminal offence under the law

Copy of Explosive license

	(A) (A)					
ലൈസൻസ് നമ്പർ ബി3, 2741/2017	തീയ്യതി 26-09-2017					
തൃപങ്ങോട്ടൂർ ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് ( 1994 ലെ 13 ) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നല്കുന്ന ഡി & ഒ ലൈസൻസ്						
ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ജോവിൻ ജോർജ്ജ് മടത്തിനാമറ്റത്തിൽ, പാലിശ്ശേരി തലശ്ശേരി പി.ഒ					
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	275/1എ നരിക്കോട്മല					
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ ഖനനം നടത്തുന്നതിന്					
കെട്ടിട നമ്പരും വാർഡ് നമ്പരും	റിസ നമ്പർ 275 /1എ ത്യപ്രങ്ങോട്ടൂർ വില്ലേജ്					
ലൈസൻസ് കാലയളവ് 26–09–2017 മുതൽ 31–03–2018 വരെ						
ഈടാക്കിയ ലൈസൻസ് ഫീസ് 2500/–11170110102451 തീയതി 26 –09–2017						
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശകൾ ( നമ്പർ, തിയ്യതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാനം)						
<ol> <li>ഡിസ്ട്രകറ്റ് എൻവയേൺമെന്റൽ ഇംപ്ലാക്ട് അസ്ല്മെന്റ് അതോറിറ്റി യുടെ 22-05-2 തീയതിയിലെ 01/KNR/2017DEIAA നമ്പർ അനുമതി.</li> <li>കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡിന്റെ 23-05-2017 ഒ PCB/KNR/ICE/1915/2014</li> <li>മൈനിംഗ് ആന്റ് ജിയോളജി ഡിപ്പാർട്ടമെന്റിൽ നിന്നും 17-10-2016 ലെ 88255/M3/20 നമ്പർ മൈറ്റർ ഓഫ് ഇന്റന്റ്.</li> <li>മിഫ് കൺട്രോളർ ഓഫ് ഏക്സ്പ്ലോസിവ് അധികൃതരുടെ അനുമതി.</li> <li>തൃപങ്ങോട്ടൂർ വില്ലേജ് ഓഫീസറുടെ 13-07-2017 ലെ 26205974 നമ്പർ കൈവശവക്ക് സർട്ടീഫിക്കറ്റ്.</li> <li>തൃപങ്ങോട്ടൂർ പ്രാഥമിക ആരോഗ്യ കേന്ദ്രാ ഹെൽത്ത് ഇന്സ്പെക്ടറുടെ ശുചി സർട്ടീഫിക്കറ്റ്.</li> <li>തൃപങ്ങോട്ടൂർ പ്രാഥമിക ആരോഗ്യ കേന്ദ്രാ ഹെൽത്ത് ഇന്സ്പെക്ടറുടെ ശുചി സർട്ടീഫിക്കറ്റ്.</li> <li>ക്യാറി നടത്താനുദേശിക്കുന്ന സർവ്വേ മാപ്പ് . പാറപൊട്ടിക്കുന്ന ആളുടെ വൈദ്ഗ്വ്യം സംബന്ധിച്ചുള്ള സംര്ട്ടീഫിക്കറ്റ് . ന്വല ഉടമസ്ഥന്റെ സമ്മത പത്രം</li> </ol>						
					Contant all all all all all all all all all al	T. P. MUSTHAFA ONLASS SECRETARY (0000-1000) TRIPRANEOTTOOR (PAMA PANCHAYAT P.O. KALLIKY S. Y YINNUR (DIST) Ph. 9 January 126

Copy of license from Gram Panchayat



Dt. 29/05/2017 The Secretary, Tripangottoor Panchayat, Thalassery Taluk, Kannur District, Kerala. Sub:- Environmental Clearance (E.C.) - Proposed Quarry Project at Re-Survey No. 275/1A, Tripangottur Village, Tripangottur Panchayat, Thalassery 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 Re-Survey No. 275/1A, Tripangottur Village, Tripangottur Panchayat, Thalassery Taluk, Kannur District, Kerala vide Order No. 1/KNR/2017/DEIAA dt. 22/05/2017. 2. We hereby submit a self attested copy of the Environment Clearance Order No. 1/KNR/2017/DEIAA dt. 22/05/2017. This is in compliance to the condition of the E.C. Order. Kindly acknowledge the receipt of the same. Thanking you, Yours respectfully, Jovin George Encl: As above For Secretary **Friprangottoor Grama Panchaya** P. O. Kallikkandi-670 693 Copy of Acknowledgement

3	tanda						<b>Solution</b>
-	Environmenta	l Illonite		T REPORT		N	ABL(TC-5402)
est R	eport No: TC5402	190000	02501F	Date: 13.06.2	2019	P	age 1 of 1
_			CUSTO	MER DETAILS			
Custon	ner Details	Name	e & Address	Mr. Jovin Geo Madathinama Palissery,Thal Kannur Distri	ttathil House assery	;	
-		Moni	toring Site	Narikottumala	a	10	
			ey No	275/1 A			
wear		Villa		Thripangotoor	5	9	
ocatio	n of Site	Talu		Thalassery		Ť.,	
		Dist	ict	Kannur			
		State		Kerala		-	
Custon	ner Reference			Test Request	form dated 0	7.06.2019	
			SAME	PLE DETAILS		-	
Source	of Sample	Amb	ient Air	Sample Code		TC5402190	00002501F
Locatio	on of Monitoring	Sout	h West Side	Sampled By		Laboratory	
Date of	f Monitoring	07.0	6.2019	Test Started (		10.06.2019	
Sample	e Received On	10.0	6.2019	Test Complete		11.06.2019	
Humid	ity	62 %		Sampling Pro	cedure	IS 5182 Par	
SL NO	TEST PARAME	TER	TEST	METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter	(PM10)	IS 5182 Part 23: 2006 RA 2017 µg/		µg/m <sup>3</sup>	37.3	100
02	Particulate matter	(PM <sub>2.5</sub> )	EPA 40 CFR Par	EPA 40 CFR Part 50 Appendix - L µg/1		17.4	60.0
03	Sulphur dioxide (	SO <sub>2</sub> )			µg/m³	< 2.00	80.0
04	Nitrogen dioxide (	NO2)			$\mu g/m^3$	< 2.00	80.0
				and of Demonstrate			
	· · · · · · · · · · · · · · · · · · ·	Ŷ	. ***	and of Report*** Standar	dº Environm	For ental & Analyti	and on behalf ical Laboratori
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sults are	related only to the samples			ort shall not be reproduced in all & Analytical L	and successful a substance		wal of the laboratory

Result of ambient air

Test Report No: TC54	0219000002502F	Date: 13.06.2019	Page 1 of 1	
	OTION			
	<u>CUSIC</u>	Mr. Jovin George		
Customer Details	Name & Address	Madathinamattathil House Palissery,Thalassery Kannur District		
	Monitoring Site	Narikottumala		
	Survey No	275/1 A		
Location of Site	Village	Thripangotoor		
	Taluk	Thalassery		
	District	Kannur		
Customer Reference	State	Kerala Test Request Form Dated 07.06.2	010	
Customer Reference	SAL	APLE DETAILS	019	
O-mar of a marta	011	Ambient Sound Level		
Source of sample Sample Code		TC540219000002502F	ion a citation d	
Location of Monitoring		North East Side Boundary	and the second se	
Date of Monitoring		07.06.2019		
Method	and the second	IS 9989:1981 RA:2008		
2.			+	
DAYTIME	RESULT	NIGHTTIME	RESULT	
06.00 Hrs	35.8 dB (A)	23.00 Hrs	33.5 dB (A)	
07.00 Hrs	38.4 dB (A)	00.00 Hrs	35.9 dB (A)	
08.00 Hrs	42.4 dB (A)	01.00 Hrs	36.6 dB (A)	
09.00 Hrs 10.00 Hrs	45.8 dB (A) 48.0 dB (A)	02.00 Hrs 03.00 Hrs	36.2 dB (A) 36.9 dB (A)	
11.00 Hrs	50.9 dB (A)	04.00 Hrs	35.9 dB (A)	
12.00 Hrs	48.3 dB (A)	05.00 Hrs	37.6 dB (A)	
13.00 Hrs	47.6 dB (A)	RESULTS	14	
14.00 Hrs	48.0 dB (A)	RESOLUC		
15.00 Hrs	48.3 dB (A)			
16.00 Hrs 17.00 Hrs	49.4 dB (A) 49.8 dB (A)	Noise Level (Leg) Daytime	46.4 dB (A)	
18.00 Hrs	44.6 dB (A)			
19.00 Hrs	41.3 dB (A)			
20.00 Hrs	37.6 dB (A)	Noise Level (Leq) Nighttime	36.2 dB (A)	
21.00 Hrs	37.2 dB (A)		00.2 00 (1)	
22.00 Hrs	34.7 dB (A)			
Г. з х х	***	End of Report*** Standard <sup>®</sup> Environmental Rija Joseph	For and on beha & Analytical Laborato	

**Result of Sound** 

<b>Fest</b>	Environmental S Report No: TC540219000		Date:	13.06.20	019	NABL(TC-5402) Page 1 of 1
		CUSTOME			9e	
Custo	omer Details	Name & Address	Mr. Jovin George Madathinamattathil House Palissery,Thalassery Kannur District			
	1.1	Monitoring Site	·Nariko	ttumala		
	2	Survey No	275/1			1142
		Village	Thripa	ngotoor	•••	(), (), ()())
Locat	ion of Site	Taluk	Thalas	sery		
		District	Kannu	r		
		State	Kerala	8		
Custo	omer Reference				orm dated 07.06.	2019
			DETAILS			
	le Code	TC540219000002503F		e Receive		10.06.2019
100	le Name	Water		ing Proce	20.03461	
	le Description	Stream Water	Stream Water Samplin		1.	South East
	fication By Customer	07.06.2019		e Conditie tarted On		Good
	oled On oled By	Customer	1.4.58.7.55.92.7.7	ompleted		10.06.2019 13.06.2019
samp	ned by	Customer	1 lest Co	ompieteu	on .	13.00.2019
SL NO	TEST PARAMETER	TEST METHOD		UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA	2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5: 2018	and the second second		Unobjectionab	le Unobjectionable
03	Turbidity -	IS 3025 Part 10:1984 R.	COLOR PROPERTY	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 R		~~~	6.81	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 R		µS/cm	62.0	
06	Total Dissolved Solids	IS 3025 Part 14:1984 R	2000 Red 102	mg/L	36.0	500 (Max)
07 08	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 16:1984 R. IS 3025 Part 21:2009 R.		mg/L	14.1	200 (Max)
08	Calcium (as Ca) Magnesium (as Mg)	IS 3025 Part 21:2009 R		mg/L mg/L	< 1.00	75.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 46:1991 R. IS 3025 Part 46:1994 R.	200 TO 100 TO	mg/L mg/L	5.88	30.0 (Max) 250 (Max)
11	Total Alkalinity (as CaCO <sub>3</sub> )			mg/L	10.2	200 (Max)
12	Iron (as Fe)	IS 3025 Part 23:1986 R		mg/L	0.12	1.00'(Max)
13	Sulphate (SO4)	IS 3025 Part 53:2003 R		mg/L	< 1.00	200 (Max)
14	Total Coliform Bacteria	IS 15185: 2016			Absent/100 m	
15	E coli	IS 15185: 2016		nenn	Absent/100 m	
8		Vidhyalaks	of Report hmi Das logist		rds Environmen	For and on behali tal & Analytical Laborator

**Result of Water** 

Quarry Owned By Jovin George CSR 1.4.2019 to 31.10.2019					
26-04-2019		75000			
06-05-2019	POYILOOR SREE MUTHAPPAN MADAPPURA	75000			
	ST.SEBASTIAN CHURCH VAZHAMALA	100000			
22-06-2019					
	CHANDRAN K C KUTTALLUR CHIKITHSA SAHAYAM	5000			
07-08-2019	MAHATHMA GANDHI ARTS AND SPORTS COLLEGE	4000			
07-10-2019					
	SNEHAVEED POYILUR	5000			
23-08-2019		10000			
24-08-2019	SRIKRISHNA JAYANTHI	10000			
	reji moothradan ,27TH Mile, Poolakutty	150000			
Total					

Details of CSR

### Annexure No. 12A

ഇടവക തിരുനാളു (2019 മെയ് 4, 5	5 (ശനി, ഞായർ) ദിവന			
		n. 6-5-19		
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നന്ദി പൂർവ്വം കൈപ്പറ്റിയിർ				
സംഭാവന	എന്ന്, തിരുനാൾ കമ്മ	റ്റിക്കുവേണ്ടി		
F 100000	ancasol	കൺവീനർ പ		
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മഹാത്മാഗാ	ന്ധി ആർട്സ് & സാ			
	<b>യൂണിയൻ 201</b> ചെണ്ടയാട്	8 - 19		
	രശീതി			
mmud: 28		തിയ്യതി :	1.9	
ഞങ്ങളുടെ കോളേജ് മാ	ഗസിനിലേക്ക് താങ്കളുടെ	Greasand		
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സ്നേഹ വിട്
CPI(M) പൊയിലൂർ ലോക്കൽ കമ്മിറ്റി നിർമ്മിച്ചു നൽകുന്ന സ്നേഹ വീട് നിർമ്മാണ ഫണ്ടിലേക്ക്
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Receipts of CSR