

COMPLIANCE REPORT- IV

October 2017 - March 2018

*M/s NELLIKUNNU GRANITE &
CRUSHER PVT.LTD*

(Quarry Project)

KOZHIKODE DISTRICT

KERALA

To,

Dt.01-10-2018

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

Ref :- File No. 539/SEIAA/EC4/3882/2014

Sub :- Environment Clearance – Quarry project at Maruthonkara village, Maruthonkara Panchayat, Vatakara, Kozhikode District, Kerala.–
Compliance Report – First half - Reg.

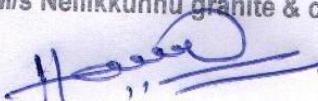
Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 7.8991 ha. by order No. 539/SEIAA/EC4/3882/2014, dated 11-12-2015 by State Environmental Impact Assessment Authority, Kerala. The compliance report of Second half (October 2017 – March 2018) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For M/s Nellikkunnu granite & crushers Pvt. Ltd



Mr. Hameed Cheruveri

Encl: - As Above

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

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 539/SEIAA/EC4/3882/2014

DATED: 15.12.2015

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

SURVEY NO. 523/1PART, 571/1PART & 567 PART

**MARUTHONKARA VILLAGE, MARUTHONKARA PANCHAYAT, VAKARA,
KOZHIKODE DISTRICT, KERALA**

BY

NELLIKUNNU GRANITE & CRUSHERS PVT. LTD

KOZHIKODE DISTRICT

KERALA

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INTRODUCTION

Quarry project of **M/s Nellikkunnu granite & crushers Pvt. Ltd**, is situated at survey Nos. 523/1part, 571/1part & 567 part at Maruthonkara village, Maruthonkara Panchayat, Vatakara, Kozhikode District, Kerala.

The quarry project was accorded with the environmental clearance (EC) by state environmental impact assessment authority on 15-12-2015. The half yearly compliance report needs to be submitted as part of general condition No.37 of Environmental Clearance order by the project proponent. The Second Half compliance report to the specific conditions and general conditions of the Environmental Clearance for the period of **October 2017 – March 2018** is being submitted.

SALIENT FEATURES OF THE PROJECT

The project comes under Category B, Activity 1 (a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) 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) dt.24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

Geographical location of the project site is in 11⁰ 39' 03.17" N to 11⁰ 38' 53.42" N and 75⁰ 49' 42.25" E to 75⁰ 49' 25.16" E. The land use classification as per revenue records is rocky land with private own land. The present land use is rocky land with quarrying activities. The quarry is interlinked with a Crusher unit located within the complex. The exploitation of mineral is being done from 171 m MSL to 71 m MSL. The ultimate depth of the mine workings is estimated to be 110 m MSL. The approximate total water demand is 16 KLD. and total power requirement is 75 kw. The nearest house is located at 127m south west of the quarry.

BRIEF OF THE PROJECT

Type of Project	Quarry project (building stone)
Name of the project	M/s Nellikkunnu Granite & Crusher Pvt. Ltd.
Category of the project	B2
GPS Locations	11° 39' 03.17" N to 11° 38' 53.42" N 75° 49' 42.25" E to 75° 49' 25.16" E
Address for correspondence	M/s Nellikkunnu Granite & Crushers Pvt. Ltd. Nelliyothe House, Paleri Post, Kozhikode, Kerala-673508
Name, Phone Number & e - mail id of responsible persons	<p>1. Mr. Hameed Cheruveri Managing Director hameedc4444@gmail.com 08086004444</p> <p>2. Anil kumar TA Manager 9744040093</p>
Main Features	
Total area under Environment Clearance	07.8991 Ha.
Minable reserves	87,50,000 MTA
Production	3,50,000MTA
Life of Mine	25 years
Highest and lowest elevation	171m MSL to 71 MSL
Crusher unit	Yes, within the project site
Environmental Settings	
Nearest stream	Kadanthalapuzha, 0.5 km.
Nearest house	127 m, SW
Nearest town	Pasukkadavu, 2 km., NE
Nearest worship place	Noor Juma Masjid Centre Mukku, 1 km., E
Nearest hospital	Maruthonkara Govt. Dispensary, 6km, W
Seismic zone	Zone-III, Moderate damage risk zone as per BMTPC, Vulnerability atlas Seismic zone of India IS: 1893-2002.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	Proper fencing and sign boards must be fixed all around.	Complied
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Compliance:

The project has installed fencing around the mining area. Outer fencing will help to prevent the falling of animals/human being/dumping of garbage etc. The project proponent will install fencing where it is necessary inside the mining area. The signage is installed in the project site. The photograph of barbed metal wire fencing and sign board is provided in **Plate No.1**. The copy of bill purchased for barbed wire is attached as **Annexure No.1**

02	Entry of large vehicles may be restricted to the approach road	Complied
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Compliance:

At present, the small vehicles are being used for the transportation of minor minerals. As per the direction of State Environment Impact Assessment Authority (SEIAA), Kerala, the project has restricted entry of large vehicles along the approach road to the quarry site for transportation of minerals.

03	Retaining wall should be maintained at the lower slope to avoid leaching	Complied
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Compliance:

The project has constructed retaining wall at the lower slope to avoid leaching and runoff from the site. This will be maintained in a good manner to direct the storm water to the pond. The photograph of the retaining wall is provided as **Plate No. 2**.

04	To the extent possible local biodiversity management Committee shall be involved in the environmental management/restoration activities.	Noted
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Compliance:

The project proponent has given special thrust to environmental management in the project site. To the extent possible local bio diversity management committee will be involved in the environmental management/ restoration activities.

05	Reclamation and eco- restoration of quarry site should be done by planting native species.	Complied
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Compliance:

As part of concurrent eco restoration, the project planted various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. Reclamation and eco restoration will be done by planting native species. The copy of the bill is attached as **Annexure No. 2**. The details are provided in Table No.3. The photograph of the plantation is given in **Plate No. 3**.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

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

Even though it is not specified in KMBR/KPBR to collect rain water in mining area, the proponent has constructed a rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The ponds were situated at the lowest level of project site. The surface runoff is canalized to the pond through garland drains. The water from pond is mainly used for crusher work, watering of plants, wetting of roads and sprinkler system for contain dust emission. The photograph showing the rain water collection pond in the project area is attached in **Plate No.4**.

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

The Environmental Monitoring Cell (EMC) has formed with Mr. Hameed C as head of the monitoring cell and made functional. The EMC meetings arrange 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 below:

TABLE 1 ENVIRONMENTAL MONITORING CELL (EMC)

Sl. No.	Post	Name
1.	Head of the monitoring cell	: Hameed C
2.	Head in charge (Environment)	: Anil Kumar T A
3.	Environment Officer in charge at Site	: Anoop A

4.	Name of the Environment Consultant	:	M/s Environmental Engineers & Consultants Pvt. Ltd. (NABET Accredited Consultancy)
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03	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Being complied
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Compliance:

As part of eco restoration and to prevent dust emission during transportation of materials, suitable avenue trees were planted along the road side and parking area. There are natural vegetation including trees, shrubs, herbs and climbers present either side of tarred road and in the parking areas. This will help to reduce air and sound pollution. The copy of bill from nursery is given in **Annexure No.2** and the photographs of avenue trees planted in the road side are given in **Plate No.5**. The details of vegetation are given below.

TABLE 2 Details of the natural vegetation existing along the road side

SI. No.	Scientific Name	Common Name	Family	Type
1	Bambusoideae	Bamboo	Poaceae	Tree
2	Murraya koenigii	Curry tree	Rutaceae	Tree
3	Terminalia arjuna	Maruthu	Combretaceae	Tree
4	Phyllanthus emblica	Nelli	Phyllanthaceae	Tree
5	Xylia xylocarpa	Erul	Fabaceae	Tree
6	<i>Swietenia mahagoni</i>	Mahagony	Meliaceae	Tree
7	<i>Anacardium occidentale</i>	Kasumavu	Anacardiaceae	Tree
8	<i>Artocarpus heterophyllus</i>	Plavu	Moraceae	Tree

9	<i>Chromolaena odorata</i>	Communist-pacha	Compositae	Shrub
10	<i>Cocos nucifera</i>	Thengu / Coconut	Arecaceae	Tree
11	<i>Mangifera indica</i>	Mavu	Anacardiaceae	Tree
12	<i>Pennisetum orientale</i>	Oriental fountain grass	Poaceae	Herb
13	<i>Tabernaemontana alternifolia</i>	Kunnanpala	Apocynaceae	Tree
14	<i>Tectona grandis</i>	Thekku	Verbenaceae	Tree
15	<i>Ziziphus oenopolia</i>	Thodalli	Rhamnaceae	Climber

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

The installation of solar can reduce the consumption from conventional sources therefore the project has installed a solar street light in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. The photograph of solar street slight is provided in **Plate No. 6**. The copy of bill is provided in **Annexure No.3**.

05	Sprinklers shall be installed and used in the project site to contain dust emissions.	Complied
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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 installed in and around the crusher unit. The photographs showing the effective utilization of sprinklers in the project area is provided in **Plate No. 7**.

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

Eco restoration is 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. The planted and proposed sapling to be planted in the project site is given below in the table No. 3.

TABLE 3 Details of the saplings planted within the project area

Sl. No.	Scientific Name	Common Name	Family	Habitat
1	Bambusoideae	Bamboo	Poaceae	Tree
2	Murraya koenigii	Curry tree	Rutaceae	Tree
3	Terminalia arjuna	Maruthu	Combretaceae	Tree
4	Phyllanthus emblica	Nelli	Phyllanthaceae	Tree
5	Xylia xylocarpa	Erul	Fabaceae	Tree
6	Artocarpus heterophyllus	Plavu	Moraceae	Tree
7	Capsicum frutescens	Kantharimulaku	Solanaceae	Herb
8	Carica papaya	Papaya	Caricaceae	Tree
9	Cocos nucifera	Thengu	Arecaceae	Tree
10	Curcuma longa	Manjal	Zingiberaceae	Herb
11	Mangifera indica	Mavu	Anacardiaceae	Tree
12	Musa paradisiaca	Vazha	Musaceae	Herb
13	Swietenia mahagoni	Mahagony	Meliaceae	Tree
14	Tectona grandis	Thekku	Verbenaceae	Tree

07	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly.	Will be complied
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Compliance:

The project proponent will retain 10 percent of total excavated pit as rain water storage area. This will help to improve the ground water table. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan, the project will plant indigenous plant species that are eco – friendly on the reclaimed area.

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

As part of inclusive growth of the community, the project proponent has executed 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 project proponent is intending to carry out more activities under CSR for inclusive growth in the community. The receipt of donation is given in **Annexure No. 4**. The details of are given below in the table. The photograph of CSR activity is provided at **Plate No.8**

Table No. 4 The details of performed activities under C S R

Sectors	Activities	Partners	Beneficiaries	Amount spent in Rs.
Education	Donation	MH College of Arts&Science, Adukkath	Students	500
	Donation	G.H.S.School, Kuttiady	Students	25,000
Arts, Sports & Festival	Donation For Sports	Mathrika Arts & Sports Club	Public	5,000
	Donation For	Jawahar Balajana	Students	1,000

	Arts	Vedi		
	Donation For Sports	Vollyball Tournament, Oorathu	Public	10,000
	Donation For Festival	Republic day	Public	3,000
	Donation For Festival	Govt. L.P. School, Maruthonkara	Students	5,000
	Donation For Festival	Little Flower U.P.School, Pasukadavu	Students	5,000
Infrastructure Development	Donation For House Construction	Mullankunnu Juma masjid mahal committee	Public	15,000
	Donation For House Construction	Bavana nirmana committee	Public	5,000
	Donation For House Construction	Kudumbasree C.D.S, Snehaveedu, Kayakodi	Public	2,000
	Donation For Construction	Adukathu Sudajala vidarana plan, Kuttiadi	Public	2,000
	Donation For House Construction	Smaraka Soudam	T.A. Aliyar	2,00,000
Health	Donation	Chikilsa sahaya Fund	Kandotara Vasu	5,000
	Donation	Chikilsa sahaya Fund	AshonthM	5,000
	Donation	Chikilsa sahaya Fund	Public	2,500
	Donation	Dialysis	Babu	4,000

Social	Donation	Daya Relief Centre	Public	1,000
	Donation	Mullankunnu Relief Committee	Public	1,70,000
	Donation	Thanal Daya rehabilitation Trust	Public	1,16,000
	Donation	Nanma Charitable Trust, Kuttiyadi	Public	5,000
	Donation	Padanopakarana Vitharanam	Students	2,500
	Donation	Jeevakarunya pravarthanam	Public	5,500
	Donation		Namitha S Nair	4,000
Poverty Eradication	Donation		Public	39,750
	Total			6,38,750

09	The lease are shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine.	Complied
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Compliance:

To demarcate the lease area, the project proponent has installed barbed metal wire fencing with height of 5 ft. around the project site where Environmental Clearance and lease obtained. This helps to prevent falling of animals/human being/dumping of garbage etc. The purchase bill of materials is given in **Annexure No.1**. The photograph of barbed metal wire fencing is provided in **Plate No.1**.

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

To give warning to the labours and community people prior to the blasting in quarry, the project installed warning alarms as per the stipulation of Explosive department in the quarry site. Time of blasting in the quarry is between 10.00 am to 4.00 pm on all working days. The photograph of alarm is given in **Plate No. 9**.

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

The noise and vibration are an adverse impact in a mining industry. To reduce noise level in the project site, the project proponent has implemented mitigate masseurs. The following control measures are undertaken to bring 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., 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.

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

To reduce the adverse effect of Quarrying activities in the community, the mining activity will limit to day time as per KSPCB guidelines. The quarry working time is 8 am to 5.00 pm. This will help to limit the sound pollution.

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

To reduce fly rock and ground vibration, the blasting is done in controlled manner by using ordinary delayed detonators. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency.

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

The project proponent has appointed mining mates, Blaster, Short Fire and Foreman in the site to supervise/control exploitation of minor minerals including blasting at the project site. **Annexure No.5** shows the certificate of Licensed Persons.

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

To contain dust emissions and for the trouble free transportation of materials, the project has tarred access road of 600 meter from the entrance of project site. The project splashes water on the road to arrest the dust production during summer season. The photograph of tarred road is provided in **Plate No. 10**. The project proponent is intending

maintain access road to the quarry in good condition for dust emission and easiness of transportation of vehicles.

16	Overburden materials should be managed within the site and the old quarries, if any, should be restored.	Complied
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Compliance:

The overburden and topsoil need to extract during the time of mining, these natural resources are being staked in the project site. This will be used for plantation, haulage roads and land filling in the mining area. There is no old quarry in the site for restoration. No overburden will let out from the project site. The photograph is showing the same in **Plate No.11**.

17	Height of the benches should not exceed 5m and width should not be less than 5m.	Complied
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Compliance:

The quarrying is carrying out as per mining plan. To enhance safety and conserve environment, the project extracts the minerals by creating benches. The benches are 5 meters of height and the width of the bench have minimum of 5 meters. **Plate No. 12** showing the same.

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

The project is using ordinary delayed detonator. The blasting is under the supervision of qualified person. The new technology of delayed blasting is reducing the incident of fly rock. Blasting during unfavorable weather conditions is avoided. During blasting it is maintaining optimum delay sequence and stem to column ratio to minimize

the fly rock distance. There is no accident due to fly rock reported in this mine, therefore mats are yet to use.

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

The depth of mining won't exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less. The exploration will be done as per the plan submitted before State Environment Impact Assessment Authority (SEIAA), Kerala.

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

In the project site, there is no area with a slope greater than 45°. Therefore it is not necessary to explore from the slopes greater than 45°.

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

To reduce the impact of sound to the labours in the unit, the project has provided ear plugs. And there is a crusher unit functioning in the project site; the machines of crusher unit are housed with solid bricks. 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 protective equipments such as ear muffs, helmet, etc	Complied
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Compliance:

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, glows, etc. to ensure the safety of workers in the quarry site. The photograph of the workers with PPE is given in the **Plate No. 13**. The copy of bill purchased for Personal Protective Equipments is attached as **Annexure No. 6**.

23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Being complied
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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. The photograph of drain is provided in **Plate No. 14**.

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

The project assure that the loaded trucks are covered with appropriate sheets to avoid dust emission from the vehicle while transportation of materials. A photograph of covered trucks is provided in **Plate No. 15**.

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

The project proponent has started to plant various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The project proponent is planning to plant more tree saplings in the project site. The photograph of planted trees is given in **Plate No. 3**. The list of tree saplings planted in the project site as part of eco-restoration is provided in **Table No 3**.

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

Disposal of spent oil from diesel engines will be sold only to the approved recyclers as specified under relevant Rules/Regulations.

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

As per the stipulation of competent authority, the project has been storing the explosives in magazine. The magazine is situated in an isolated place specified and approved by the explosives department. The photograph of the magazine is provided in **Plate No.16**.

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

To reduce the adverse impact on community life, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship

places is adhered by the project. The distance of the nearest house was 127 meter from the quarry, the KSPCB condition is 100 meter.

29	200 m buffer distance should be maintained from forest boundaries.	Complied
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Compliance:

There is no forest area near to the project site. The nearest forest is 6 km away from the project site.

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

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of “Consent to Operate” (Renewal) from Kerala State Pollution Control Board is provided in **Annexure No.8**.

31	All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	Complied
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Compliance:

The certificates obtained from other concerned statutory authorities are enclosed in **Annexure No.7, 8, 9, 10 &11**.

TABLE 5 – APPROVALS FROM COMPETENT AUTHORITIES

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	539/SEIAA/EC4/3882/2014 Dated 15-12-2015

“Consent to Operate” (Renewal)	Kerala State Pollution Control Board	PCB/KKD/DO/2296/2012 25-05-2015
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	E/SC/KL/22/1620(E71339) Dated 12-06-2015
License for quarry operations	Gram Panchayath	A5-02/16-17 dated 01-04-2016
Permit order	Directorate of Mining and Geology	12/2016-17/GS/CRPS/DOZ/M,1021/16 Dated 29-06-2016

32	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority	Noted
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Compliance:

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

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

To enhance the safety and eco friendly mining, if the authority instructs to add additional safeguard measures subsequently, the project will be complied with.

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

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

1. The Environment Protection Act,1986
2. Water (Prevention and Control of Pollution) Act, 1974
3. The Air (Prevention and Control of Pollution) Act, 1981
4. The Public Liability (Insurance) Act,1991
5. Municipal Solid Waste (Management and Handling) Act,2016
6. Hazardous and Other Wastes (Management and handling) Rules, 2016.
7. EIA notification, 2006
8. Kerala Miner Mineral concession Rules 2016

35	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded 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	Complied
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<p><u>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.</u></p>	
--	--

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.12**. The details are given below in the table.

Table No. 6 Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	The New Indian express	English	02-01-2016
02	Malayala Manorama	Malayalam	02-01-2016

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

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The acknowledgement received from the Panchayat office is attached in **Annexure 13**. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore does not give the copy of clearance latter to anyone. The project does not have a website and it will create a company website soon.

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 hand 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 the Directorate of Environment and Climate Change, Govt. of Kerala.	Being Complied
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Compliance:

The compliance report is being submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and also to the Regional Office of MoEF&CC, Govt. of India both in hard copy as well as mail. The result of monitored data has attached as **Annexure No.14, 15 & 16.**

38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	Will be complied
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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 board is attached as **Plate No.17.**

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

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

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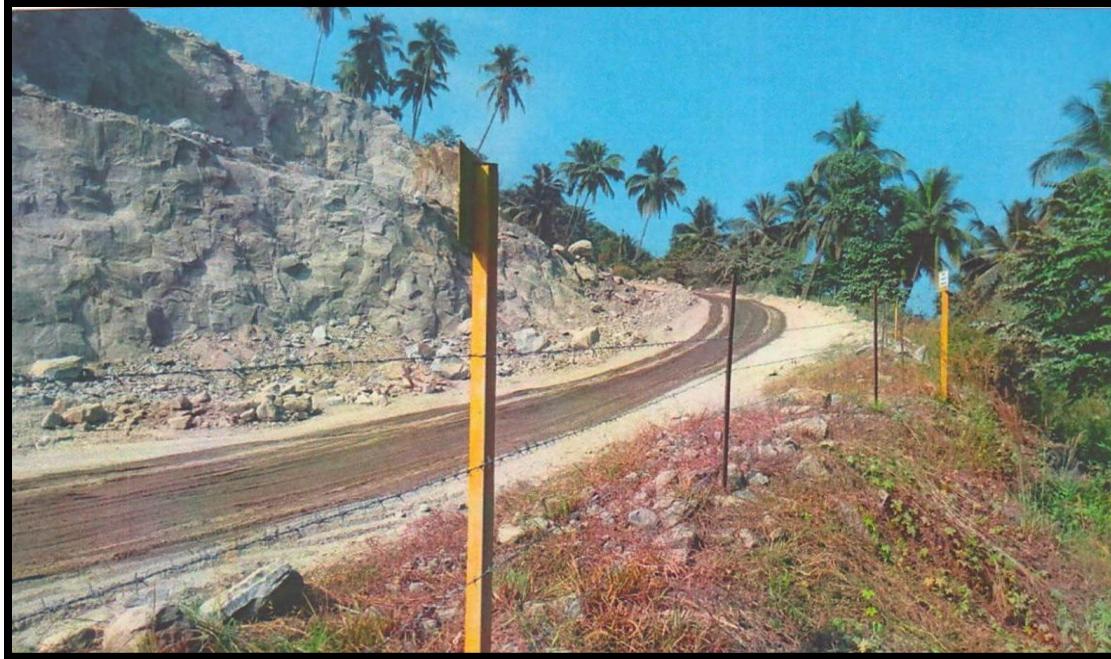
Compliance:

The project will give priority to the conditions stipulated in the Environment clearance Order for its execution.

PLATES

(Photographs of project)

Plate No.1



Fencing

Plate No. 2



Retaining wall

Plate No. 3



Eco restoration

Plate No.4



Rain Water Harvesting Pond

Plate No.5



Avenue Trees

Plate No.6



Solar Street Light

Plate No.7



Sprinkler

Plate No.8





Activity under CSR

Plate No.9



Warning Alarm

Plate No.10



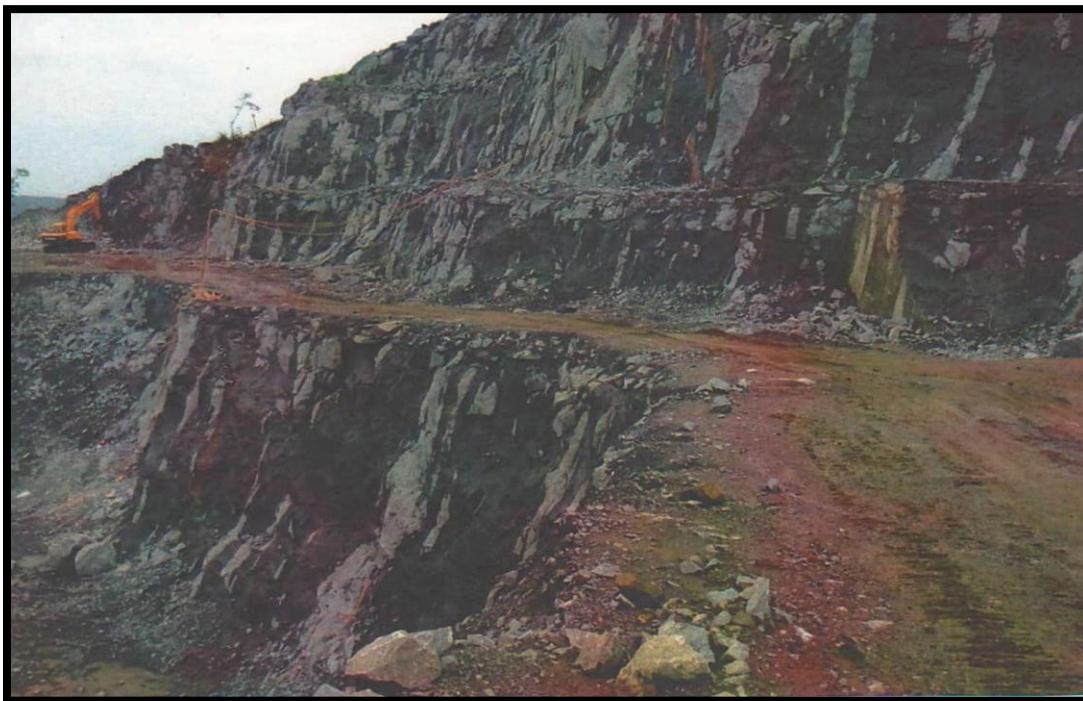
Tarred Road

Plate No.11



Stacked Top soil

Plate No.12



Benches under progress

Plate No.13



Labors with PPE

Plate No.14



Drainage

Plate No.15



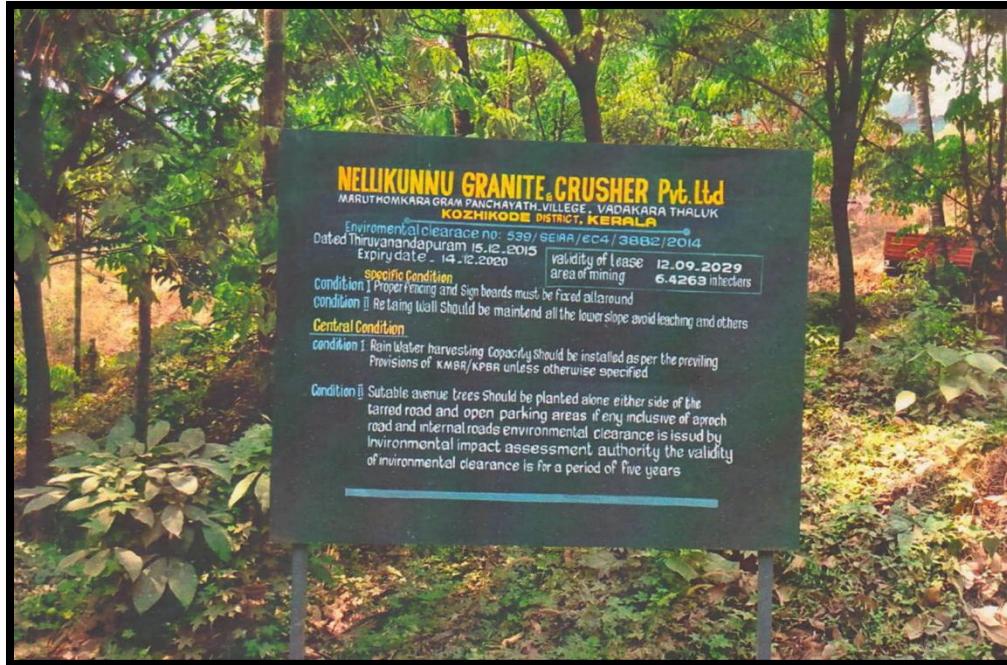
Covered Truck

Plate No.16



Magazine

Plate No. 17



EC Board

ANNEXURE

(Documents of the project)

Annexure No.1

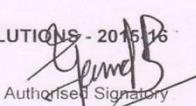
Bill for fencing

Annexure No. 2

THARAPPEL NURSERY & GARDEN			Ph : 04936 - 266155
(Govt. Approved)			Mob : 09447235967
Anappara, Chulliyode P.O. S.Bathery, Wayanad, Kerala			WhatsApp 09745569355
tharappelnursery@gmail.com			Date 01.12.16
No. 375			Vehicle No.....
To.....			
No.	Particulars	Qty	Rate
1	25	35	1820
2	5	100	500
3	2	75	150
4	2	75	150
5			2670
6	6	35	210
7	2	120	240
8	2	90	180
9			3260
10			
11			
12			
13			
14			
15			
16			
17			
Rupees		TOTAL 3100/-	
Loading & Packing Charges Extra			
Let Us Make India Green, Together We Can, Will			
For THARAPPEL NURSERY & GARDEN			

Bill of Plants purchased

Annexure No. 3

SUBJECT TO CALICUT JURISDICTION Original - Buyer's Copy					
Invoice No. 8B/061 Ref. No.		Dated 3-Aug-2016			
AG's POWER SOLUTIONS - 2015-16 17/483 -6A Sreekanteswara Complex IG Road, Kozhikode Phone: 0495-2721141 Contact: 9895500365 E-Mail: govclt1@gmail.com					
Form No. 8B Kerala Value Added Tax 2015					
Party: Hameed kuttiyadi					
SI No.	Description of Goods	Quantity	Rate	per	Amount
1	Solar Street Light	1.00 No.	23,267.33	No.	23,267.33
<i>OUTPUT VAT 1%</i> 1 % 232.67					
Total 1.00 No. ₹ 23,500.00 E. & O.E					
Amount Chargeable (in words) INR Twenty Three Thousand Five Hundred Only					
Company's CST No. : 32110843645C			Company's Bank Details Bank Name : Syndicate Bank A/c No. : 44051010003333 Branch & IFS Code : Mavoor Road & SYNB0004405		
Declaration *Original for the Buyer and Duplicate to be retained with the seller Customer's Seal and Signature					
for AG's POWER SOLUTIONS - 2015-16  Authorised Signatory					
This is a Computer Generated Invoice					
					

Bill of Solar Street light

Annexure No.4



The receipts of social responsible activities

Annexure No.5

Page 1 of 2

Form LE-10

Shot Firer's Certificate

(See article 10 of Part 1 of Schedule IV)
[see rule 107(5) of Explosives Rules, 2008]

(Certificate of competency to carry out blasting of explosives in area not coming under the Mines Act, 1952)



No.:E/SE/KL/30/690(E82034)



This is to certify that *Shri Muhammed Shameer V.P.*, born on **14/05/1989**, resident of **Adukkath House Cheruvelli, O., Kuttiyadi, Kozhikode, Kerala** passed the shotfirer's examination held on **09/06/2014** conducted by **Controller of Explosives, Ernakulam** and is authorised to conduct blasting operations as mentioned below using explosives in areas other than mines coming under the purview of the Mines Act 1952, subject to the provisions of the Explosives Act, 1884 and the rules framed thereunder.

Authorised class, category and type of blasting :

Class : (B), Category : General aboveground, All phases of aboveground blasting operation

[See explanation of sub-rule (5) of rule 107]

This certificate shall remain valid till **19/06/2019** (five years from the date of issue)

This certificate is liable to be suspended or revoked for any violation of the Act or rules framed thereunder or the conditions of this certificate or if there is any discrepancy or deviation in the information or suppression of facts furnished by the applicant in his application form.

Place: **Ernakulam**Date: **19/06/2014**

[Signature]
Dy. Chief Controller of Explosives
कृति उप मुख्य विस्फोटक नियन्त्रक Ernakulam
For Deputy Chief Controller of Explosives
एरनाकुलम / Ernakulam

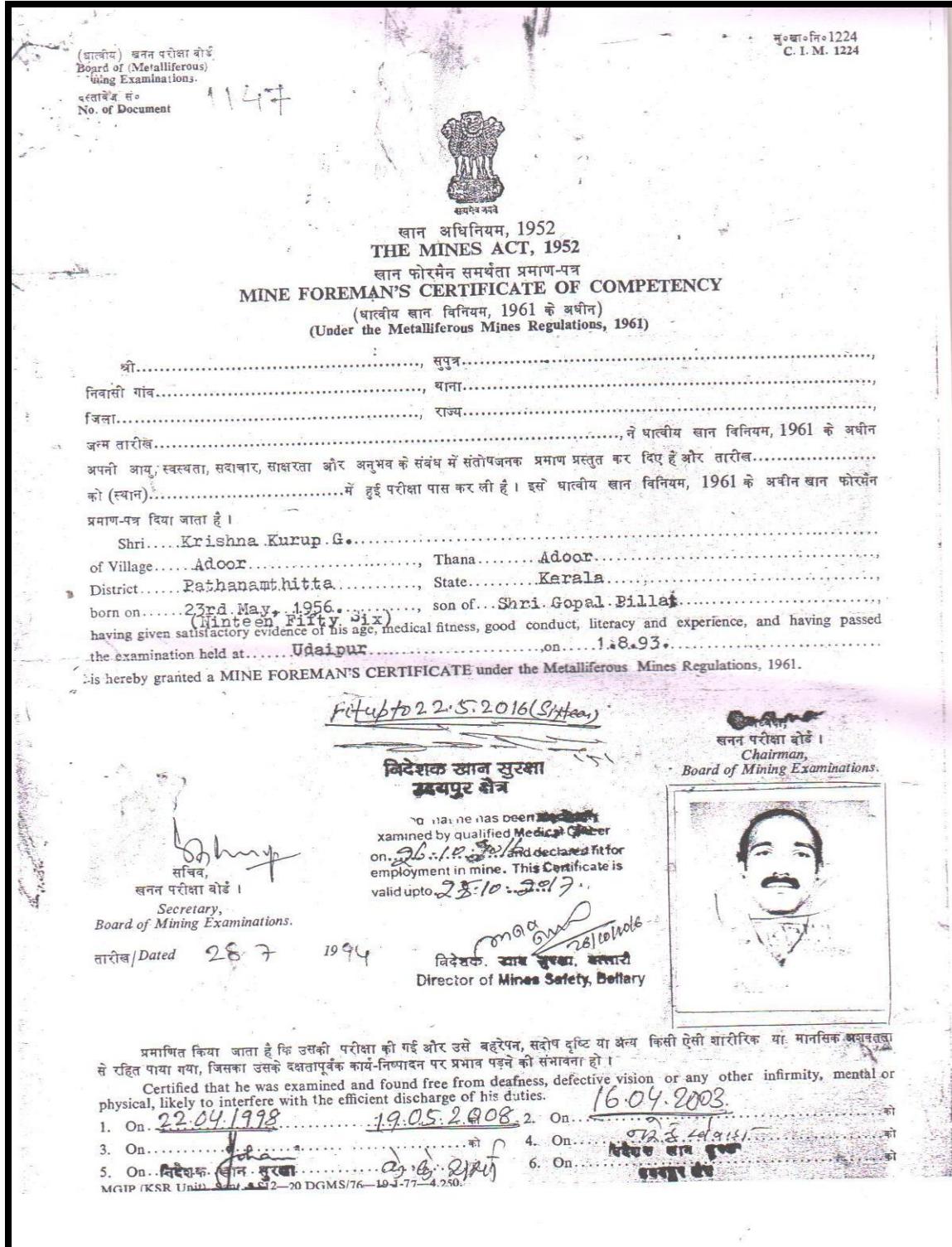
Endorsement for revalidation

Date of Revalidation Date of Expiry

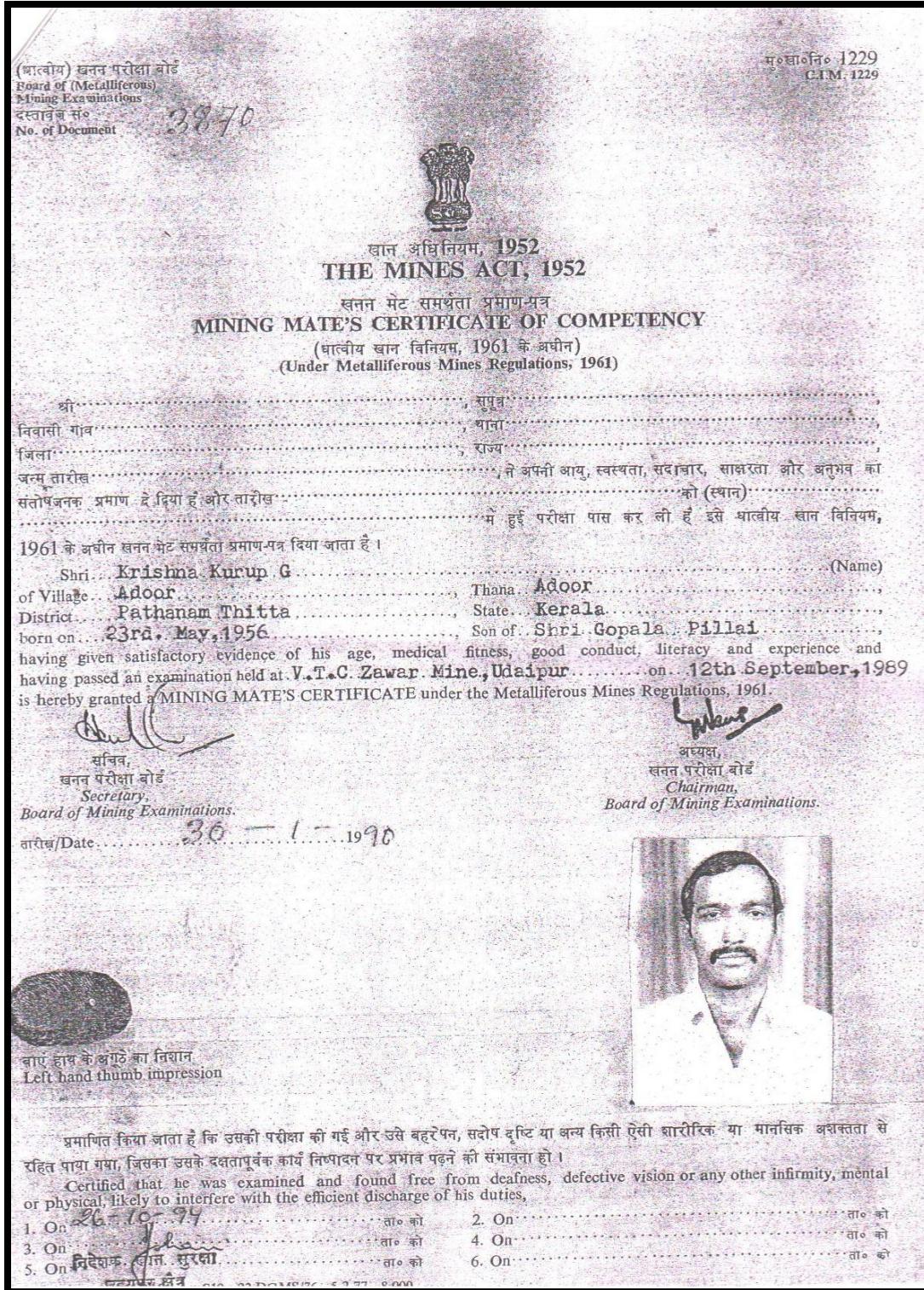
Signature of licensing authority

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

Certificate of Short Firer's



Mine foreman



Mines mate

(धारा १ उत्तराधिक) खनन परीक्षा बोर्ड
Board of (Metalliferous)
Mining Examinations

प्रतेक सं०
No. of Document 3004

संग्रहीत करने वाले का नाम
गांव
राज्य
जिला

स्वामी अधिनियम, 1952
THE MINES ACT, 1952

बिल्स्टर्स कर्टिफिकेशन
BLASTER'S CERTIFICATE OF COMPETENCY

(धारा १ उत्तराधिक खनन विनियोगावली, 1961 के अधीन)
(Under Metalliferous Mines Regulations, 1961)

मी. नाम
राज्य
जिला

को जिनकी जन्मतिथी है अपनी आदु, आरोग्यता, अच्छे आचरण, साक्षरता और अनुभव के संबंध में संतोषजनक प्रमाण दे देने और में सारीख को हूँ परीक्षा पास कर लेने पर धारा १ उत्तराधिक खनन विनियोगावली, 1961 के अधीन विराटोकर्ता प्रमाण-पत्र दिया जाता है।

Shri. P. K. R. M. A. K. U. G. (Name)
of Village. AIXOR, Thana. POKHARI
District. RATNAMUTHITA, State. KARNAKA
born on. 23RD MAY, 1956, son of. Gopal, PILLAI
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and having passed an examination held at. V.T.C., ZAFAR MINE, on. 7th MARCH, 1986, is hereby granted a BLASTER'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

Signature of Secretary, Board of Mining Examinations
Date: 01.09.1986

Signature of Chairman, Board of Mining Examinations

Left hand thumb impression

प्रमाणित किया जाता है कि जूतकी स्वास्थ्य परीक्षा कर ली गई है और वह बहुरोपन, मदोग दूषित वा अन्य किसी ऐसी मानसिक अव्यवहारिक अव्यक्तता से मुक्त पाया गया है जो उसके कर्तव्यों को प्रभावी रूप से करने में वापरक हो।

Certified that he was examined and found free from deafness, defective vision or any other infirmity, mental or physical, likely to interfere with the efficient discharge of his duties.

1. On 11. 8. 91 AM 2. On
3. On खनन सुरक्षा मिट्रेश्वर 4. On
5. On Director of Mine Safety 6. On
MGIPCB—S3—3D क्रमांक 101, 5-2-82—11, 500
saiyed/25th.

Blaster

Annexure No.6

Bill of PPE

Annexure No.7

Validity expires on 14-12-2020

**Proceedings of the State Environment Impact Assessment Authority
Kerala**

*Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member, Sri. P. Mara Pandiyan I.A.S., Member
Secretary*

Sub: SEIAA- Environmental Clearance for the proposed quarry project in Sy. Nos. 523/1part, 571/1Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, by M/s Nellikkunnu Granite & Crushers Pvt. Ltd.- Granted. Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 539/SEIAA/EC4/3882/2014

dated, Thiruvananthapuram 15 -12-2015

Read: 1. Application dated 31-7-2014 submitted by Sri. Hameed Cheruveri, Managing Director, M/s Nellikkunnu Granite & Crusher Pvt. Ltd., Vannathichira P.O., Kavilumpara Via, Vatakara Taluk, Kozhikode-673513
 2. Minutes of the 41st meeting of SEAC held on 16/17-6-2015.
 3. Minutes of the 45th meeting of SEAC held on 11/12-9-2015.
 4. Minutes of the 43rd meeting of SEIAA held on 16-10-2015.

Environmental Clearance No. 109/2015

Sri. Hameed Cheruveri, Managing Director, M/s Nellikkunnu Granite & Crusher Pvt. Ltd., Vannathichira P.O., Kavilumpara Via, Vatakara Taluk, Kozhikode-673513 vide his application received on 13.08.2014, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. Nos. 523/1 part, 571/1Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, Kerala for an area of 07.8991 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) 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) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

2. The proposed project site falls within 11° 39'03.17" N to 11° 38'53.42" N and 75° 49' 42.25" E to 75° 49' 25.16" E. The land use classification as per revenue records is rocky land with private own land. The present land use is rocky land with quarrying activities. The current proposal is for the existing quarry with pit area of 0.6070 hectares and mineral specific. Hence no alternate site was examined. Forest land is not involved in the project.

Copy of EC Order

Annexure No.8

KERALA STATE POLLUTION CONTROL BOARD
 കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
 കോഴിക്കോട് ജില്ലാ ആഫീസ്
 DISTRICT OFFICE, KOZHIKODE
 3rd FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002
 Telefax: 2300745, 46, 47
www.keralapcb.org

File No:PCB/KKD/DO/2296/2012 Date: 25.05.2015

CONSENT TO OPERATE – RENEWAL

Consent no: PCB/KKD/DO/ICO-R1/2296/2015

Ref:- 1. Your application dated 16.03.2015
 2. Consent No PCB/KKD/DO/ICO/2296/2012 dated 13.04.2012

The 'Consent to operate' issued vide ref. 2 to M/s Modern stone crusher - quarry, Maruthonkara, Kozhikode-673508 is hereby renewed up to 31.03.2018. The Consent cited under ref. 2 as attached herewith is part of this renewal order and this order is subject to the conditions stipulated therein and to the following variations.

Item No 1.12	Fee remitted	Rs.36000/-
Item No 1.14	Capital Investment	Rs.5100000/-
Item No 1.15	Products & Activity	Quarrying in 0.4047 hecter of land of ReSurvey no. 523/1 in Mauthonkara Village, Vadakara Taluk, Kozhikode District.

The consent issued from the Board will be valid only for a period during the period when all other statutory or necessary clearance from the concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water (prevention & control of pollution) Act 1974; Air (Prevention & Control of pollution) Act 1981 and rules there under. The operation of the unit shall be commenced only after obtaining clearance from all concerned authorities

For and on behalf of the
KERALA STATE POLLUTION CONTROL BOARD

ENVIRONMENTAL ENGINEER
VINAYA.K.S
 Environmental Engineer

Vinaya

Consent form PCB

Annexure No.9

LICENCE FORM LE-3
 (See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

Licence to possess : (c) for use,explosives of class 1, 2,3,4,5,6 or 7 in a magaz

Licence No. : E/SC/KL/22/1620(E71339)

Annual Fee Rs.2400/-

1. Licence is hereby granted to : **T K Abdul Salam (Occupier : T.K.Abdul Salam)**
Nelliottu House, Paleri P.O.,Kozhikode, Town/Village -Kuttiyadi
District-KOZHIKODE, State-Kerala, Pincode - 673315
2. Status of licensee : **Individual**
3. Licence is valid only for the following purpose : possess for use of **Nitrate Mixture, Safety Fuse, Ordinary Detonator, Electric Detonators,**
4. (a) Licence is valid for the following kinds and quantity of explosives:

Sr. No.	Name and Description	Class & Division	Sub-division (If any)	Quantity at any one time
1.	Nitrate Mixture	2 ,0	0	100 Kg.
2.	Safety Fuse	6 ,1	0	2000 Mtrs
3.	Ordinary Detonator	6 ,3	0	2000 Nos.
4.	Electric Detonators	6 ,3	0	1500 Nos.

(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : **20 times as above.**

5. The licensed premises shall conform to the following drawing(s):
Drawing No : E/SC/KL/22/1620(E71339) dated : 12/06/2015
6. The licensed premises are situated at following address:
Survey No. R.Sy.No.570 , Town/Village : Muruthonkara (v),Vatakara Tk
Police Station : Thottipalampam **District : KOZHIKODE** **State : Kerala**
PinCode : 673315 **Phone :** **E-Mail :** **Fax :**
7. The licensed premises consist of following facilities : **Type C magazine**
8. The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.
 - (1) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
 - (2) Conditions and Additional Conditions of this licence signed by the licensing authority.
 - (3) Distance Form DE-2
9. This licence shall remain valid till **31st day of March 2018**

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.

Explosive license

Annexure No.10

	
കേരളസർക്കാർ നമ്പർ.....	04/2017
തൈത്തി 22-06-2017.	
Date 04/06/2017..... ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും	
<p>1994 ലെ കേരള പഞ്ചായത്ത് ലെജ്സ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളുടെ അടക്കാളത്തിൽ അട്ടഞ്ചാലും അനുസരിച്ചു നൽകുന്ന ഡി & ഒ ലൈസൻസ്</p>	
കൗൺസിലിന്റെ വോട്ടു മെണ്ടിംഗ്സ് വായ്പാട്	സാമ്പത്തിക പ്രവർത്തനം ഫോറ്മാ സാമ്പത്തിക പ്രവർത്തനം ഫോറ്മാ സാമ്പത്തിക പ്രവർത്തനം ഫോറ്മാ
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	സാമ്പത്തിക പ്രവർത്തനം ഫോറ്മാ സാമ്പത്തിക പ്രവർത്തനം ഫോറ്മാ
കെട്ടിടസ്ഥലം നിർമ്മാണം പ്രവർത്തനാടാവാന്	കെട്ടിട തുറന്തിര നാമനാമം
കെട്ടിടാനിന്ന് നിന്നും വാൻഡു നിന്നും	22-06-2017- 2/2228 (നേരിട്ട്- 523/1)
കൗൺസില് വാക്കാളിപ്പ്	22-06-2017 മുതൽ 31-03-2018 വരെ
ഭാഗമന്ത്രിയുടെ കൗൺസില് വാക്കാളിപ്പ്	ഡാമ്പിൽ നമ്പർ 4000/- രൂപ 11602104102/25-02-17
<p>1. Explosive License No: E/SC/KL/22/1620(E7139) dated 14-06-2017.</p> <p>2. Consent to Operate Certificate No: PCB/KKD/DO/02023/2016 from Kerala State Pollution Control Board.</p> <p>3. Environmental Clearance Certificate No: 539/SE199/EC4/3882/2014 from State Environment Impact Assessment Authority, Kerala.</p> <p>4. Shotfirer's Certificate No: E/SE/KL/30/690(E82036) dated 19-06-2014 (Valid upto 19-06-2019) from Govt. of India.</p> <p>5. Intent No: 1406/003/2017 dt 03-03-17 from Ministry of Geology Directorate.</p>	
<p>നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ 20-07-2017 നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ നാമം ഫോറ്മാ</p> <p>സ്ഥലനാമം ഫോറ്മാ</p> <p>ഡാമ്പിൽ നമ്പർ No: 41/2017-18/1406/13/2017 D.M. 01.06.17/9/17. Production</p> <p>1-30-Y-2014</p>	
PO MARUTHONKARA 2/2017	
SECRETARY Maruthonkara Gram Panchayat P.O. Maruthonkara-673513 9436048133	

License form Gram Panchayat

Annexure No.11

(11)

FORM M
 [See sub-rule (2) of Rule 9]
 (For all type of quarrying permits)
 GOVERNMENT OF KERALA
 DEPARTMENT OF MINING & GEOLOGY DISTRICT OFFICE, KOZHIKODE

QUARRYING PERMIT FOR EXTRACTION OF GRANITE BUILDING STONE/
 GRANTED UNDER RULES 3(1), 9 AND 10 OF THE KERALA MINOR
 MINERAL CONCESSION RULES, 2015 AND KMMC (2ND AMENDMENT) RULES 2015

No. 12/2016-17/GS/CRPS/DOZ/M.1021/16.

Dated. 29.06.2016

SRI. T.K. ABDUL SALAM, NELLIYOTTU HOUSE, PALERI POST, KUTTIADI, KOZHIKODE is hereby permitted to extract and remove GRANITE BUILDING STONE from an area of 40.47 ARES in Resurvey No. 523/1 of MARUTHONKARA Village of VATAKARA Taluk of KOZHIKODE District, Kerala State under rule 3(1) and 9 of the Kerala Minor Mineral Concession Rules, 2015 and KMMC (2nd Amendment) Rules 2015 subject to the conditions mentioned in Rule 10.

Quantity of extraction of mineral permitted : Not Applicable.
 (Not applicable in the case of CRP System)

Whether the permit holder opted CRP System : CRPS

Number of mineral transit passes to be issued : 5,000 + No. of Mineral Transit Passes required for transportation of granite (Building Stone) extracted from the specified area during the specified period for which the annual consolidated royalty paid in advance

Name and address of the owner of the land under mineral concession/particulars of consent/NOC received from the occupier of the land (if applicable)

Date of expiry of permit : 28.06.2017

DETAILS OF FEE REMITTED

Item	Chalan No. and Date	Amount	Name of Treasury
Application fee	395/11.05.2016	1,000/-	D.T., KOZHIKODE
Royalty	320/29.06.2016	7,00,000/-	D.T., KOZHIKODE
Surface Rent	320/29.06.2016	100/-	D.T., KOZHIKODE
Addl. Royalty remitted, if any			

(Office Seal)



Signature and Address of the issuing authority.

To

1. SRI. T.K. ABDUL SALAM,
 NELLIYOTTU HOUSE,
 PALERI POST,
 KUTTIADI,
 KOZHIKODE

:- Land owner

Copy to:— (1) The District Collector, (with C/L)

(2) Secretary, Maruthonkara Grama Panchayath

Copy of Permit

Annexure No.12

THE NEW INDIAN EXPRESS
KOZHIKODE SATURDAY 2 JANUARY 2016

COIR INDUSTRY AWARD FOR 2014-15

NOTICE

This is to inform to the General Public that the proposed quarry project in Survey Nos. 523/1 Part, 571/1 Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, Kerala being developed by M/s Nelliukunnu Granite & Crusher Pvt. Ltd. is accorded with ENVIRONMENT CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 539/SEIAA/EC/4/3882/2014 Dt. 15-12-2015 and the copy of the Environment Clearance is available with the office of Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org

COIR BOARD

MINISTRY OF MSME, Government of India
M.G.Road, Kochi - Pin-682016.
Ph:0484 2351900

Entries have been invited from the Exporters/Dealers/Producers /Persons/Entrepreneurs/State Governments/UTs and Organizations from any of the eligible categories for the COIR INDUSTRY AWARDS 2014-15 for outstanding performance in coir sector. Please visit Coir Board Website for downloading the application format.

The last date for receipt of applications in the prescribed format in the Head Office has been extended from 31.12.2015 to **11.01.2016**.

For further details contact Development Officer (M), Coir Board (Ph.0484:2362751)

For more details visit: www.coirboard.gov.in

31.12.2015

S/d
SECRETARY, COIR BOARD

Y OF KERALA
INTHAPURAM-34

2015/PR
MN-QTNS/2015-16

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Advertisement in News paper

Annexure No.13

A1576454

Maruthomkara Grama Panchayat	
Maruthonkara.P.O , Pin-673513,	
Phone-0496-2666048	
Inward No	5474
Date of Receipt	29/12/2015
Year	2015
Name of Applicant	IMPACT ENVIRMENT , TVM
Subject	ENVIRMENT CERTIFICATE
Date of Delivery	
Section	A1

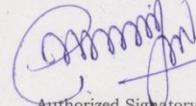
Remarks : Counter No. & Staff : 29/12/2015 10:42:38AM

Secretary

Cheques are subject to realisation KREWS (GLM, KANJIKODE) 2014

**Acknowledgement received from Gram Panchayat**

Annexure No.14

  TEST REPORT																																			
Test Report No: SEAAL/1801/EN/R011 Date: 12.01.2018 Page 1 of 1																																			
CUSTOMER DETAILS																																			
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District																																	
	Survey No	523																																	
	Village	Maruthonkara																																	
	Taluk	Vadakara																																	
	Panchayath	Maruthonkara																																	
	District	Kozhikode																																	
	State	Kerala																																	
Customer Reference		Test Request form dated 03.01.2018																																	
SAMPLE DETAILS																																			
Source of Sample	Ambient Air	Sample Code	SEAAL/1801/EN/S011																																
Location of Monitoring	Near North West side boundary	Sampled By	By Laboratory																																
Date of Monitoring	03.01.2017	Test Started On	05.01.2018																																
Sample Received On	04.01.2018	Test Completed On	08.01.2018																																
Humidity	65 %	Sampling Procedure	IS 5182 Part V & XIV																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 2px;">SL NO</th> <th style="text-align: center; padding: 2px;">TEST PARAMETER</th> <th style="text-align: center; padding: 2px;">TEST METHOD</th> <th style="text-align: center; padding: 2px;">UNIT</th> <th style="text-align: center; padding: 2px;">RESULTS</th> <th style="text-align: center; padding: 2px;">NAAQ STANDARD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 2px;">01</td> <td style="text-align: center; padding: 2px;">Particulate matter (PM₁₀)</td> <td style="text-align: center; padding: 2px;">IS 5182 Part 23: 2006 RA 2012</td> <td style="text-align: center; padding: 2px;">µg/m³</td> <td style="text-align: center; padding: 2px;">74.0</td> <td style="text-align: center; padding: 2px;">100</td> </tr> <tr> <td style="text-align: center; padding: 2px;">02</td> <td style="text-align: center; padding: 2px;">Particulate matter (PM_{2.5})</td> <td style="text-align: center; padding: 2px;">EPA 40 CFR Part 50 Appendix – L</td> <td style="text-align: center; padding: 2px;">µg/m³</td> <td style="text-align: center; padding: 2px;">37.0</td> <td style="text-align: center; padding: 2px;">60.0</td> </tr> <tr> <td style="text-align: center; padding: 2px;">03</td> <td style="text-align: center; padding: 2px;">Sulphur dioxide (SO₂)</td> <td style="text-align: center; padding: 2px;">IS 5182 Part 2: 2001 RA 2012</td> <td style="text-align: center; padding: 2px;">µg/m³</td> <td style="text-align: center; padding: 2px;">< 2.00</td> <td style="text-align: center; padding: 2px;">80.0</td> </tr> <tr> <td style="text-align: center; padding: 2px;">04</td> <td style="text-align: center; padding: 2px;">Nitrogen dioxide (NO₂)</td> <td style="text-align: center; padding: 2px;">IS 5182 Part 6: 2006 RA 2012</td> <td style="text-align: center; padding: 2px;">µg/m³</td> <td style="text-align: center; padding: 2px;">< 2.00</td> <td style="text-align: center; padding: 2px;">80.0</td> </tr> </tbody> </table>						SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD	01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2012	µg/m ³	74.0	100	02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix – L	µg/m ³	37.0	60.0	03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2012	µg/m ³	< 2.00	80.0	04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2012	µg/m ³	< 2.00	80.0
SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD																														
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04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2012	µg/m ³	< 2.00	80.0																														
End of Report																																			
For and on behalf of Standard Environmental & Analytical Laboratories																																			
 Authorized Signatory																																			
Laiju P. N. Laboratory Head																																			
<p style="font-size: small;">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.</p> <p style="font-size: small;">Standard Environmental & Analytical Laboratories Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 20 67 24 02 Web: www.sealabs.in, E-mail: sealab@gmail.com, info@sealabs.in</p>																																			

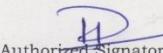
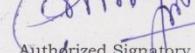
Ambient air

Annexure No.15

Standard^S <i>Environmental Monitoring</i>		TEST REPORT		NABL(T-3620)	
Test Report No: SEAAL/1801/WA/R012		Date: 12.01.2018		Page 1 of 1	
CUSTOMER DETAILS					
Customer Details		Name & Address		M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District	
Location of Site		Survey No	523		
		Village	Maruthonkara		
		Taluk	Vadakara		
		Panchayath	Maruthonkara		
		District	Kozhikode		
		State	Kerala		
Customer Reference		Test Request Form dated 06.01.2018			
SAMPLE DETAILS					
Sample Code		SEAAL/1801/WA/S012	Sample Received On		
Sample Name		Water	04.01.2018		
Sample Description		Bore Well	Sampling Procedure		
Identification By Customer		---	Sampling Location		
Sampled On		03.01.2018	South East side Boundary		
Sampled By		Laboratory	Sample Condition		
Test Started On		04.01.2018	Good		
Test Completed On		08.01.2018			
SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 – 2012)
01	Colour	IS 3025 Part 4:1983 RA 2012	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2012	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2012	NTU	0.80	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2012	---	7.35	6.50 – 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA:2012	mg/L	455	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA:2014	mg/L	263	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA:2014	mg/L	82.4	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	13.8	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	3.82	250 (Max)
10	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	193	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.17	1.00 (Max)
12	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	64.0	200 (Max)
13	Total Coliform Bacteria	IS 1622:1981 RA 2014	----	Present/100ml	Absent/100 ml
14	E. coli	IS 15185: 2016	----	Absent/100ml	Absent/100 ml

End of Report

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


 Dona Jacob
 Technical Manager (Microbiology)

 Laiju P.N.
 Laboratory Head

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

Standard^S Environmental & Analytical Laboratories
 Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
 K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 20 67 24 02
 Web: www.sealabs.in, E-mail: sealab@gmail.com, info@sealabs.in

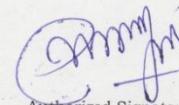
Water

Annexure No.16

Standard^S <i>Environmental Monitoring</i>			
TEST REPORT			
Test Report No: SEAAL/1801/R103	Date: 12.01.2018		
Page 1 of 1			
CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District	
	Survey No	523	
	Village	Maruthonkara	
	Taluk	Vadakara	
	Panchayath	Maruthonkara	
	District	Kozhikode	
	State	Kerala	
Customer Reference	Test Request Form Dated 03.01.2018		
SAMPLE DETAILS			
Source of sample	Ambient Sound Level		
Location of Monitoring	Near North East side boundary		
Date of Monitoring	03.01.2018		
DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	37.1 dB (A)	23.00 Hrs	34.6 dB (A)
07.00 Hrs	39.7 dB (A)	00.00 Hrs	37.1 dB (A)
08.00 Hrs	43.9 dB (A)	01.00 Hrs	37.8 dB (A)
09.00 Hrs	47.4 dB (A)	02.00 Hrs	37.5 dB (A)
10.00 Hrs	49.7 dB (A)	03.00 Hrs	38.2 dB (A)
11.00 Hrs	52.7 dB (A)	04.00 Hrs	37.1 dB (A)
12.00 Hrs	50.0 dB (A)	05.00 Hrs	38.9 dB (A)
13.00 Hrs	49.3 dB (A)	RESULTS	
14.00 Hrs	49.7 dB (A)	Ambient Sound Level (Leq) Daytime	48.1 dB (A)
15.00 Hrs	50.0 dB (A)	Ambient Sound Level (Leq) Nighttime	37.4 dB (A)
16.00 Hrs	51.2 dB (A)		
17.00 Hrs	51.6 dB (A)		
18.00 Hrs	46.2 dB (A)		
19.00 Hrs	42.8 dB (A)		
20.00 Hrs	39.0 dB (A)		
21.00 Hrs	38.5 dB (A)		
22.00 Hrs	35.9 dB (A)		

End of Report

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


Authorized Signatory
Laiju P. N.
Laboratory Head

Standard^S Environmental & Analytical Laboratories
Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
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Web: www.sealabs.in, E-mail: sealab@gmail.com, info@sealabs.in

Ambient Sound