

COMPLIANCE REPORT– IV

October 2017 – March 2018

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

(Quarry Project)

KOZHIKODE DISTRICT

KERALA

Dt.01-10-2018

To,
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

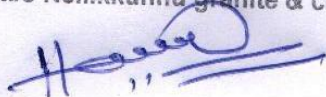
Sub :- Environment Clearance – Quarry project at Maruthonkara
village, Maruthonkara Panchayat, Vatakara, Kozhikode District, Kerala.–
Compliance Report – First half - Reg.

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, VTAKARA,

KOZHIKODE DISTRICT, KERALA

BY

NELLIKKUNNU 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 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 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 ⁰ 39' 03.17" N to 11 ⁰ 38' 53.42" N 75 ⁰ 49' 42.25" E to 75 ⁰ 49' 25.16" E
Address for correspondence	M/s Nellikkunnu Granite & Crushers Pvt. Ltd. Nelliyote House, Paleri Post, Kozhikode, Kerala-673508
Name, Phone Number & e-mail id of responsible persons	1. Mr. Hameed Cheruveri Managing Director hameedc4444@gmail.com 08086004444 2. Anil kumar TA Manager 9744040093
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	Kadantharapuzha, 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 par 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

Sl. 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	Swietenia mahagoni	Mahagony	Meliaceae	Tree
7	Anacardium occidentale	Kasumavu	Anacardiaceae	Tree
8	Artocarpus heterophyllus	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 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. 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	<i>Artocarpus heterophyllus</i>	Plavu	<i>Moraceae</i>	Tree
7	<i>Capsicum frutescens</i>	Kantharimulaku	<i>Solanaceae</i>	Herb
8	<i>Carica papaya</i>	Papaya	<i>Caricaceae</i>	Tree
9	<i>Cocos nucifera</i>	Thengu	<i>Arecaceae</i>	Tree
10	<i>Curcuma longa</i>	Manjal	<i>Zingiberaceae</i>	Herb
11	<i>Mangifera indica</i>	Mavu	<i>Anacardiaceae</i>	Tree
12	<i>Musa paradisiaca</i>	Vazha	<i>Musaceae</i>	Herb
13	<i>Swietenia mahagoni</i>	Mahagony	<i>Meliaceae</i>	Tree
14	<i>Tectona grandis</i>	Thekku	<i>Verbenaceae</i>	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	Javahar 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	Mullankkunnu 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 measures. 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, gloves, 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
-----------	--	--------------

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
----	--	-----------------------

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
----	--	-----------------

	the Authority at www.seiaakerala.org. <u>The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</u>	
--	---	--

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
----	--	------------------

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 on consent given by any other authority for the same project.	Noted
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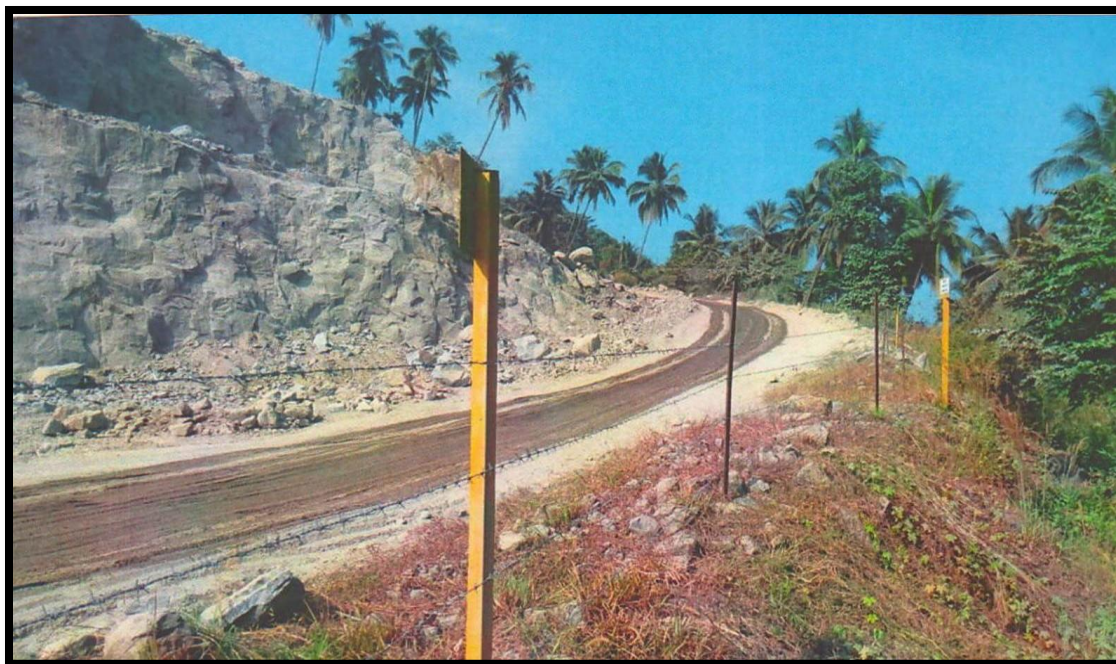
Compliance:

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



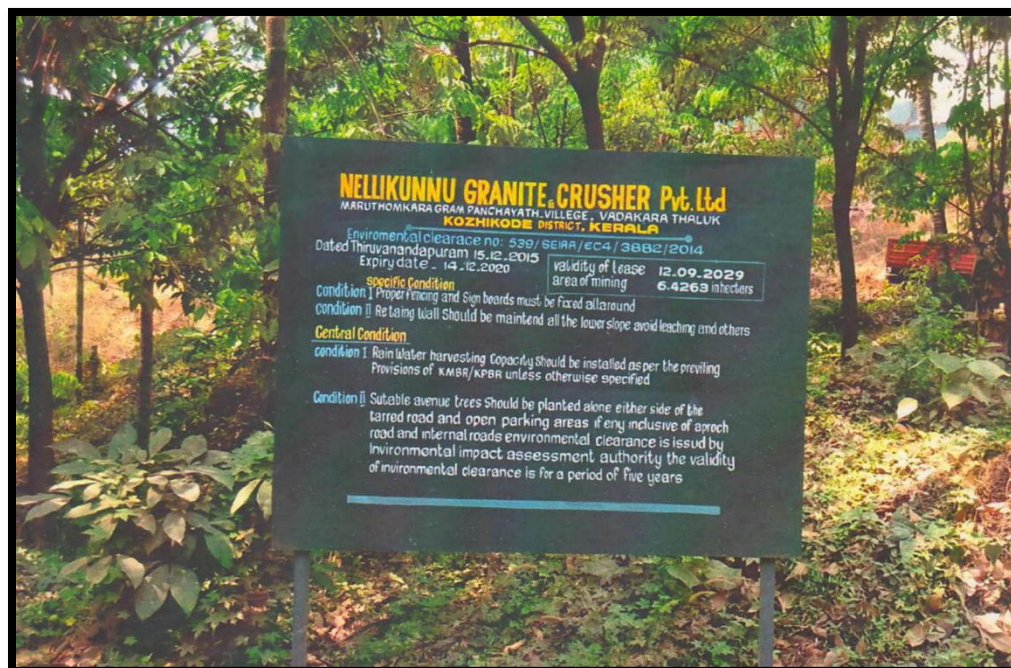
Covered Truck

Plate No.16



Magazine

Plate No. 17



EC Board

ANNEXURE

(Documents of the project)

QUOTATION

Cheriyakumbalam

No:

52

Date 27.2.2016

To.

02
NELLI KUNNU GRANITE & CRUSH

No.	Date	Description		Total
Rate		Particulars	Qty	Rs. Ps.
42		1 1/2 X 1/4 Angles	543-700	22,835
67		ms Binding Bars	53-400	3577
		Loading charge	'	180
				26,592
		TOTAL		

 Signature

Page 45

Annexure No. 2

THARAPPEL NURSERY & GARDEN
 (Govt. Approved)
 Anappara, Chuliyode P.O. S.Bathery, Wayanad, Kerala
 tharappelnursery@gmail.com
 No. 375

Ph: 04936 - 266155
 Mob: 09447235967
 WhatsApp 09745569355

Date: 01/12/16
 Vehicle No:

CASH BILL

To:

No	Particulars	Qty	Rate	Amount Rs. Ps.
1	കാക്കി	35	35	1225
2	മുളക്	5	100	500
3	മുളക് (9x9)	2	75	150
4	മുളക്	2	75	150
5				2620
6	കാക്കി	6	35	210
7	മുളക്	2	125	250
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

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	Solar Street Light	1.00 No.	23,267.33	No.	23,267.33
	OUTPUT VAT 1%			1 %	232.67
Total		1.00 No.			₹ 23,500.00

Amount Chargeable (in words) E. & O.E
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 & SYN0004405

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
[Signature]
Authorised Signatory

This is a Computer Generated Invoice



Bill of Solar Street light

Annexure No.4

MULLANKUNNU RELIEF COMMITTEE
MULLANKUNNU, PO - MARUTHONKARA - 673513,
KAVILUMPARA

No : 459 Date : 3/3/18

Received with thanks from HAMEED - CRASHER
Twenty Thousand only

the sum of rupees

Rs: 30000/- Secretary/Organizer

സി.എ അലിയാർ മാസ്റ്റർ
സ്മാരക സൗധം
 സെന്റർമുക്ക്, പരുകടവ് പി.ഒ, കാവിലുംപാറ (വഴി)-കോഴിക്കോട്

നമ്പർ. 162 തീയതി: 23/1/18

ഈ എം. ഹമീദ് അഹ്‌മദ് ചെമ്മർ കി.ഒ. വള്ളാത്തി
 അവർകളിൽ നിന്നും രണ്ട് ലക്ഷം രൂപ
രൂപ

നന്ദിപൂർവ്വം കിട്ടിയെന്നായിച്ചു.

₹ 200000/- പ്രസിഡണ്ട് സെക്രട്ടറി ട്രഷറർ

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 Cheruvu P.O., Kuttivadi, 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 :

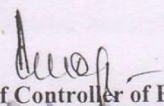
Class : (B), Category : General aboveground, All phases of aboveground blasting operation

[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**


Dy. Chief Controller of Explosives
കേരള ഉപ മുഖ്യ വിस्ഫോटक നിയന്ത്രകൻ Ernakulam
For Deputy Chief Controller of Explosives
എറണാകുളം / 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

(धात्विक) खनन परीक्षा बोर्ड
Board of (Metalliferous) Mining Examinations.
दस्तावेज सं०
No. of Document 1147

सं०/आ०/नि० 1224
C. I. M. 1224

खान अधिनियम, 1952
THE MINES ACT, 1952
खान फोरमैन समर्थता प्रमाण-पत्र
MINE FOREMAN'S CERTIFICATE OF COMPETENCY
(धात्विक खान विनियम, 1961 के अधीन)
(Under the Metalliferous Mines Regulations, 1961)

श्री....., सुपुत्र.....
निवासी गांव....., थाना.....
जिला....., राज्य.....
जन्म तारीख....., ने धात्विक खान विनियम, 1961 के अधीन अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव के संबंध में संतोषजनक प्रमाण प्रस्तुत कर दिए हैं और तारीख..... को (स्थान)..... में हुई परीक्षा पास कर ली है। इसे धात्विक खान विनियम, 1961 के अधीन खान फोरमैन प्रमाण-पत्र दिया जाता है।

Shri..... Krishna Kurup G.....
of Village..... Adoor....., Thana..... Adoor.....
District..... Pathanamthitta....., State..... Kerala.....
born on..... 23rd May, 1956....., son of... Shri. Gopal Pillai.....
(Nineteen Fifty Six)
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience, and having passed the examination held at..... Udaipur..... on..... 1.8.93.....

is hereby granted a MINE FOREMAN'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

Fit upto 22.5.2016 (Sixteen)

विदेशक खान सुरक्षा
उदायपुर क्षेत्र

He has been examined by qualified Medical Officer on 26.1.93 and declared fit for employment in mine. This Certificate is valid upto 28.10.2007.

सचिव,
खनन परीक्षा बोर्ड।
Secretary,
Board of Mining Examinations.
तारीख/Dated 28 7 1994

विदेशक. खान सुरक्षा, बल्लारी
Director of Mines Safety, Bellary

Chairman,
Board of Mining Examinations.

प्रमाणित किया जाता है कि उसकी परीक्षा की गई और उसे बहरेपन, सदीप दृष्टि या अन्य किसी ऐसी शारीरिक या मानसिक क्षमता से रहित पाया गया, जिसका उसके दक्षतापूर्वक कार्य-निष्पादन पर प्रभाव पड़ने की संभावना 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 22.04.1998 19.05.2008 2. On 16.04.2003
3. On 19.05.2008 4. On 16.04.2003
5. On 19.05.2008 6. On 16.04.2003


MGP (KSR Unit) 2-20 DGMS/76-10-77-4.250.

Mine foreman

(भारतीय) खनन परीक्षा बोर्ड
Board of Metalliferous
Mining Examinations
दस्तावेज सं०
No. of Document

मं० सं० नि० 1229
CIM: 1229

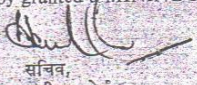
3870





खान अधिनियम, 1952
THE MINES ACT, 1952
खनन मेट समर्थता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(भारतीय खान विनियम, 1961 के अधीन)
(Under Metalliferous Mines Regulations, 1961)


श्री....., सुपुत्र.....
निवासी गांव....., थाना.....
जिला....., राज्य.....
जन्म तारीख....., ने अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव का
संतोषजनक प्रमाण दे दिया है और तारीख..... को (स्थान).....
में हुई परीक्षा पास कर ली है इसे भारतीय खान विनियम,
1961 के अधीन खनन मेट समर्थता प्रमाण-पत्र दिया जाता है।

Shri... Krishna Kurup. G..... (Name)
of Village... Adoor..... Thana... Adoor.....
District... Pathanam Thitta..... State... Kerala.....
born on... 23rd. May, 1956..... Son of: Shri. Gopala. 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. Zawar Mine, Udaipur..... on 12th September, 1969
is hereby granted a MINING MATE'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.


सचिव,
खनन परीक्षा बोर्ड
Secretary,
Board of Mining Examinations.
तारीख/Date..... 30 - 1 - 1970


अध्यक्ष,
खनन परीक्षा बोर्ड
Chairman,
Board of Mining Examinations.


बाएं हाथ के अंगूठे का निशान
Left hand thumb impression



प्रमाणित किया जाता है कि उसकी परीक्षा की गई और उसे बहरेपन, सदीप दृष्टि या अन्य किसी ऐसी शारीरिक या मानसिक अशक्तता से
रहित पाया गया, जिसका उसके दक्षतापूर्वक कार्य निष्पादन पर प्रभाव पड़ने की संभावना 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 26-10-74 ता० को
2. On..... ता० को
3. On..... ता० को
4. On..... ता० को
5. On निदेशक, खान सुरक्षा ता० को
6. On..... ता० को

Mines mate

Blaster

[illegible]

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 Cheuveri, 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.



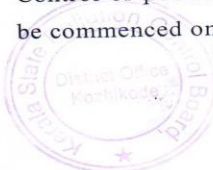

Environmental Clearance No. 109/2015

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 ഓഫീസ് DISTRICT OFFICE, KOZHIKODE 3 rd 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		
	<u>CONSENT TO OPERATE – RENEWAL</u>		
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			
<p>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.</p>			
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.	
<p>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</p>			
		For and on behalf of the KERALA STATE POLLUTION CONTROL BOARD	
			
		ENVIRONMENTAL ENGINEER VINAYA.K.S Environmental Engineer	

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/-

10

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 : Thottilpalam 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

	
ലൈസൻസ് നമ്പർ: <u>04/2017</u> തീയതി: <u>22-06-2017</u>	
<u>മുളത്തോളം</u> ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും	
1994 ലെ കേരള പഞ്ചായത്ത് ഓക്ട് ആക്ട് (1954 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളുടെ അനുസരിച്ചുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന	
ഡി & ഒ ലൈസൻസ്	
ലൈസൻസിന്റെ പേരും മേൽവിലാസവും	<u>എൻ.ജി. മധുവേരി</u> <u>M. J, നെല്ലിക്കുന്ന് ഗ്രാമപഞ്ചായത്ത്</u> <u>നെല്ലിക്കുന്ന്</u>
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	<u>നെല്ലിക്കുന്ന് ഗ്രാമപഞ്ചായത്ത്</u> <u>നെല്ലിക്കുന്ന്</u>
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	<u>മുളത്തോളം കല്ലറ നടത്തുന്നതിന്</u>
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	<u>വാർഡ് - 8/2228 (വെളിനമ്പർ - 523/1)</u>
ലൈസൻസ് കാലാവധി	<u>22-06-2017 മുതൽ 31-03-2018 വരെ</u>
ഇടപാടുകൾ ലൈസൻസ് ഫീസ്	<u>4000/- രൂപ</u>
സീൽ നമ്പർ	<u>11602104102/25-02-17</u>
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരവധി പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാരസ്ഥാനം)	1. Explosive Licence No: E/SC/KL/22/1620(E71339) dttd 14-06-2017. 2. Consent to Operate Certificate No: PCB/KKD/DO/6023/2016 from Kerala state Pollution Control Board. 3. Environmental Clearance Certificate No: 539/SE/199/EC4/3882/2014 from state Environment Impact Assessment Authority, Kerala. 4. Shot firer's Certificate No: E/SE/KL/30/890(E82035) dttd 19-06-2014 (valid upto 19-06-2019) from Govt. of India. 5. Intent No: 1406/103/2017 dt 03-03-17 from Ministry of Geology, Directorate.
നെല്ലിക്കുന്ന് & മേലാഴി മുതൽ മുളത്തോളം വരെയുള്ള ഭാഗത്തിൽ 20-07-2017 നും 18/1406/103/2017-DMG DT: 19/17. Produced 1-30-Y-2014	
സെക്രട്ടറി P.O. Maruthonkara 9406048133	

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) : Managing Director , Nellikkunnu Granites & Crusher Pvt. Ltd, Vannathichira post, Kavilumpara
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

- SRI. T.K. ABDUL SALAM,
NELLIYOTTU HOUSE,
PALERI POST,
KUTTIADI,
KOZHIKODE
- Hameed Cheruvari, Managing Director, Nellikkunnu Granites & Crusher Pvt. Ltd, Vannathichira post, Kavilumpara

:- Land owner

Copy to:— (1) The District Collector, (with C/L)
(2) Secretary, Maruthonkara Grama Panchayath

Copy of Permit

Annexure No.12



Advertisement in News paper


Annexure No.13

Maruthomkara Grama Panchayat		
Maruthonkara.P.O , Pin-673513,		
Phone:0496-2666048		
Inward No	5474	Year
Date of Receipt	29/12/2015	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

A1576454


KREWS (GLM, KANJIKODE) 2014

Cheques are subject to realisation




Acknowledgement received from Gram Panchayat

Annexure No.14



Standard^S
Environmental Monitoring



NABL(T-3620)

TEST REPORT

Test Report No: SEAL/1801/EN/R011	Date: 12.01.2018	Page 1 of 1
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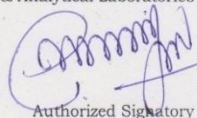
CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavalumpara, Kozhikode District
	Survey No	523
	Village	Maruthonkara
	Taluk	Vadakara
	Panchayath	Maruthonkara
	District	Kozhikode
	State	Kerala
Customer Reference	Test Request form dated 03.01.2018	

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	SEAL/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

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

End of Report

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



Authorized Signatory

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

Ambient air

Annexure No.15

Standard^S
Environmental Monitoring

TEST REPORT


NABL(T-3620)

Test Report No: SEAAL/1801/WA/R012	Date: 12.01.2018	Page 1 of 1
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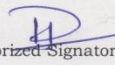
CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District	
Location of Site	Survey No	523	
	Village	Maruthonkara	
	Taluk	Vadakara	
	Panchayath	Maruthonkara	
	District	Kozhikode	
	State	Kerala	
Customer Reference	Test Request Form dated 06.01.2018		

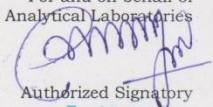
SAMPLE DETAILS			
Sample Code	SEAAL/1801/WA/S012	Sample Received On	04.01.2018
Sample Name	Water	Sampling Procedure	SEAAL/MSP/24
Sample Description	Bore Well	Sampling Location	South East side Boundary
Identification By Customer	---	Sample Condition	Good
Sampled On	03.01.2018	Test Started On	04.01.2018
Sampled By	Laboratory	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 3025Part 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 3025Part 23:1986 RA2014	mg/L	193	200 (Max)
11	Iron (as Fe)	IS 3025Part 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 Goli form 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


 Authorized Signatory
Dona Jacob
 Technical Manager (Microbiology)


 Authorized Signatory
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: seaalab@gmail.com, info@sealabs.in

Water

Annexure No.16

Standard^S
Environmental Monitoring

TEST REPORT

Test Report No: SEAAL/1801/R103	Date: 12.01.2018	Page 1 of 1
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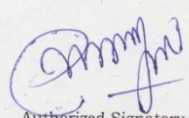
CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavalumpara, Kozhikode District
	Survey No	523
	Village	Maruthonkara
	Taluk	Vadakara
	Panchayath	Maruthonkara
	District	Kozhikode
	State	Kerala
Customer Reference	Test Request Form Dated 03.01.2018	

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)		
15.00 Hrs	50.0 dB (A)	Ambient Sound Level (Leq) Daytime	
16.00 Hrs	51.2 dB (A)		
17.00 Hrs	51.6 dB (A)	Ambient Sound Level (Leq) Nighttime	
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)		
		37.4 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
 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

Ambient Sound