

# ***COMPLIANCE REPORT***

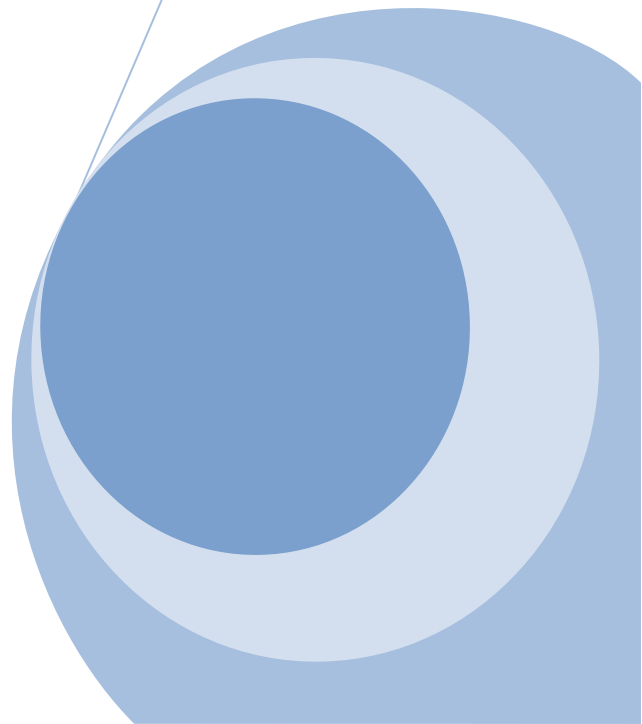
**APRIL 2020 – SEPTEMBER 2020**

**M/s Blue Mountain Granites**

(Quarry Project)

*Thrissur District*

*Kerala*



**Blue Mountain Granites**

Vellikulangara P.O., Trichur Dt. Kerala, Pin - 680 699  
Tel : 0480 - 2743231, 2741432

Dt. 09-11-2020

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

**Ref :- File No. 626/SEIAA/EC1/4809/2014**

**Sub :- Environment Clearance – Quarry project at Vellikulangara Village,  
Mattathur Panchayat, Chalakudy Taluk, Thrissur District, Kerala – Compliance  
Report – First half – Reg.**

**Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for 3.0352 Ha. by order No. **626/SEIAA/EC1/4809/2014**, dated 05/02/2016 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **First Half** (April 2020 – September 2020) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,  
Yours respectfully,

For BLUE MOUNTAIN GRANITES



Partner

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.

Manufacturers of Aggregates

**COMPLIANCE REPORT**

**TO**

**THE CONDITIONS**

**OF**

**ENVIRONMENTAL CLEARANCE ORDER**

**NO: 626/SEIAA/EC1/4809/2014**

**DATED: 05-02-2016**

*BY*

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)**

**FOR**

**BUILDING STONE QUARRY**

**(MINOR MINERAL MINING) PROJECT**

*AT*

**SURVEY NO. 1982, VELLIKULANGARA VILLAGE, MATTATHUR**

**PANCHAYAT, CHALAKUDY TALUK,**

**THRISSUR DISTRICT,**

**KERALA**

**BY**

**M/S BLUE MOUNTAIN GRANITES,**

**VELLIKULANGARA POST, CHALAKUDY**

**THRISSUR DISTRICT,**

**KERALA-680699**

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**INTRODUCTION**

The quarry project of **M/s Blue Mountain Granites** is situated at Survey No. 1982, Vellikulangara Village, Mattathur Panchayat, Chalakudy Taluk, Thrissur District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 05-02-2016. As part of general condition No.37 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of first half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2020 – September 2020** is being submitted.

**COMPLIANCE REPORT**  
**(SPECIFIC CONDITIONS)**  
**PART A**



**PART – A– SPECIFIC CONDITIONS**

<b>1</b>	<b>Fencing should be provided all around the lease area. The mandatory buffer distance must be left by the side of forest teak plantation, road and H T line.</b>	<b>Complied</b>
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**Compliance**

The project proponent has installed fencing around the area in order to demarcate the lease area. As per the stipulation, mandatory buffer distance has left from teak plantation, 100 meter distance to H T line and village road from the project site.

<b>2</b>	<b>Overburden must be stored in the designated places and provided with protective support walls</b>	<b>Complied</b>
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**Compliance**

To prevent sliding, the project proponent has constructed strong protective support walls. The overburden extract during the time of mining has staked in designated place in the project site. The overburden is used for making haulage road in the project site. No overburden will let out from the project site. The excess overburden is staked in a designated place.

<b>3</b>	<b>The RWH structure and water clarification mechanism provided must be maintained throughout. Periodic de siltation is mandatory</b>	<b>Being complied</b>
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**Compliance**

All runoff from the project site is collected in the de siltation pond so that all sediments can settle down at the bottom of the pond. The project proponent provided de siltation mechanism in the quarrying area. This mechanism is maintaining throughout for preventing quarry waste entering in to the main stream. Periodically the project proponent clears sediments from the pond.

4	<b>Steps should be taken to limit fly rock within the lease area</b>	<b>Complied</b>
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**Compliance**

During blasting optimum delay sequence is maintained and stem to column ratio to minimize the fly rock distance. The project proponent is using electric/ordinary delayed detonator for blasting. The blasting is carrying out under the supervision of qualified person. Therefore there is no issue with fly rock in the community and the project is also assuring the maximum PPV is under 10.

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**

**PART – B – GENERAL CONDITIONS**

<b>1</b>	<b>Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.</b>	<b>Complied</b>
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**Compliance**

To collect rain water from the entire project land, the proponent has developed rain water harvesting pond in the quarrying area. The pond is developed from mined quarry pit. The surface runoff is canalized to the pond through garland drains. The stored rain water is using 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. 1**.

<b>2</b>	<b>Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional.</b>	<b>Complied</b>
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**Compliance**

The project proponent has constituted an Environment Monitoring Cell (EMC) with Mr. Eldhose Kuriakose (Partner) as head of the cell. The meetings of the cell convened periodically and evaluate the activities towards the stipulations of Environmental Clearance order. The details of the Environment Monitoring Cell are given below.

**TABLE 1 ENVIRONMENTAL MONITORING CELL (EMC)**

Sl. No.	Post	Name
1.	Head of the monitoring cell	: Eldhose Kuriakose
2.	Member	: Basavaraj Swamy
3.	Member	: Ajesh Sebastian

<b>3</b>	<b>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.</b>	<b>Being complied</b>
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### Compliance

To enrich vegetation and prevent air pollution, the project proponent planted suitable avenue trees along either side of the roads, parking area and other areas in the project land. There are natural vegetations including trees, shrubs, herbs and climbers also present. The details of vegetation along the road side are given below in **table No.2.**

**TABLE No. 2 - Details of the natural vegetation existing along the road side**

Sl. No.	Scientific Name	Common Name	Family	Type
1.		Rambuttan	Sapindaceae	
2	<i>Psidium guajava</i>	pera		
3	<i>Mangifera indica</i>	Mavu	Anacardiaceae	Tree
4	<i>Hevea brasiliensis</i>	Rubber	Euphorbiaceae	Tree
5	<i>Swietenia mahagoni</i>	Mahagony	<i>Meliaceae</i>	Tree
6	<i>Bambusa bambos</i>	Mula	<i>Poaceae</i>	Herb
7	<i>Chromolaena odorata</i>	Communist-pacha	Compositae	Shrub
8	<i>Cocos nucifera</i>	Thengu / Coconut	Arecaceae	Tree
9	<i>Tectona grandis</i>	Thekku	Verbenaceae	Tree

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

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

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

To prevent dust emission, sprinklers are installed in the project site. The sprinklers installed in and around the crusher unit. To arrest the dust emission from the approach road and the haulage road, the project proponent has deployed a tanker vehicle to splash water.

<b>06</b>	<b>Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.</b>	<b>complied</b>
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**Compliance:**

The eco restoration plan prepared by the project proponent will be executed in a good manner. The project proponent started to plant various saplings in and around the project site. The list of tree/shrub/herb saplings planted in the project site is given below. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal. 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**

<b>Sl. No.</b>	<b>Scientific Name</b>	<b>Common Name</b>	<b>Family</b>	<b>Habitat</b>
<b>1</b>	<i>Mangifera indica</i>	Mavu	<i>Anacardiaceae</i>	Tree
<b>2</b>	<i>Capsicum frutescens</i>	Kantharimulaku	<i>Solanaceae</i>	Herb
<b>3</b>	<i>Carica papaya</i>	Papaya	<i>Caricaceae</i>	Tree
<b>4</b>	<i>Artocarpus heterophyllus</i>	Plavu	<i>Moraceae</i>	Tree
<b>5</b>	<i>Curcuma longa</i>	Manjal	<i>Zingiberaceae</i>	Herb
<b>6</b>	<i>Cocos nucifera</i>	Thengu	<i>Arecaceae</i>	Tree
<b>7</b>	<i>Musa paradisiaca</i>	Vazha	<i>Musaceae</i>	Herb
<b>8</b>	<i>Swietenia mahagoni</i>	Mahagony	<i>Meliaceae</i>	Tree
<b>9</b>	<i>Tectona grandis</i>	Thekku	<i>Verbenaceae</i>	Tree
<b>10</b>	<i>Hevea brasiliensis</i>	Rubber	<i>Euphorbiaceae</i>	Tree

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

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

<b>08</b>	<b>Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented</b>	<b>Being complied</b>
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**Compliance:**

The activities under Corporate Social Responsibility (CSR)/ Corporate Environmental Responsibility (CER) activities are executed in the sector of Health, sports, education, marriage, death etc. The project proponent is intending to carry out more activities under CSR for inclusive growth in the community. Receipts/ vouchers of CSR/CER is attached as **Annexure No. 14**. The details are given below

**TABLE 4 - Details of activities performed under CSR/CER**

<b>Sectors</b>	<b>Activities</b>	<b>Particulars</b>	<b>Amount Spent In Rs.</b>
<b>Charitable</b>	04-05-2020	Covid Relief	30,000.00
<b>Medical</b>	14-05-2020	Medicine	500.00
<b>Medical</b>	18-05-2020	Medicine	700.00
<b>Charitable</b>	23-05-2020	Covid Relief - SFI Local-Mask Distribution	1,000.00
<b>Medical</b>	08-06-2020	Medical aid to Cancer Patient	1,000.00
<b>Charitable</b>	15-06-2020	CMRF - COVID19	5,00,000.00
<b>Medical</b>	01-07-2020	Medicine	500.00
<b>Medical</b>	06-07-2020	Medicine to lthalony colony	300.00

<b>Charitable</b>	06-07-2020	Convex Mirroor at Vettinary Hispital Jn	3,000.00
<b>Medical</b>	25-07-2020	Medicine	500.00
<b>Medical</b>	05-08-2020	Medicine	500.00
<b>Charitable</b>	05-08-2020	Funeral - Subdra sister in law	5,000.00
<b>Charitable</b>	10-08-2020	Funeral - Thankappan's Mother	5,000.00
<b>Charitable</b>	14-08-2020	Hose Maintenance Charge	1,500.00
<b>Cultural</b>	19-08-2020	Enviornment Protection Group	500.00
<b>Medical</b>	22-08-2020	Medical Expenses - Sabu colony	500.00
<b>Cultural</b>	24-08-2020	House Maintenance	5,000.00
<b>Donation</b>	29-08-2020	Relief Fund - Kerala Congress	250.00
<b>Donation</b>	29-08-2020	Relief Fund Kerala CITU	1,000.00
<b>Medical</b>	08-09-2020	Medicine	500.00
<b>Medical</b>	15-09-2020	Medicine - Biju Etholony	500.00
<b>Medical</b>	23-09-2020	Medicine	500.00
<b>Total</b>			

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

To prevent falling of animals/human being/dumping of garbage etc, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. The photograph of barbed metal wire fencing is provided in **Plate No.2**. Sign boards are attached as **Plate No. 3**.



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

To give warning to the labours and community prior to the blasting in quarry, the project proponent has installed warning alarms as per the stipulation of Explosive department in the quarry site. This is properly working prior to the blasting time. This alarm can intimate the general public that the blasting is going to happen. The blasting time of the quarry is in between 12.01pm to 12.30 pm. The photograph of warning alarm is attached as **Plate No. 4**. Board showing blasting time is attached as **Plate No. 5**

11	<b>Control measures on noise and vibration prescribed by KSPCB should be implemented.</b>	<b>Complied</b>
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**Compliance:**

To reduce noise level in the project site, the project proponent has implemented mitigate masseurs. The major noise generating sources from the mining activity is working machineries, drilling, blasting and plying of vehicles. The following control measures are undertaken to bringing down the noise levels:-

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

**Blast vibrations and control measures**

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.

- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- ❖ The project proponent has appointed qualified persons to monitor the mining operations

<b>12</b>	<b>Quarrying activities should be limited to day time as per KSPCB guidelines.</b>	<b>Complied</b>
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**Compliance:**

Quarrying activities are limited to day time only as per KSPCB guidelines. The quarry working time is 8.00 am to 5.00 pm. This will help to limit the sound pollution.

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

The blasting is done in controlled manner by using ordinary delayed detonators. All blasting activities are carrying out with the specified regulations of explosive department. All blasting are under careful supervision of qualified persons.

<b>14</b>	<b>A licensed person should supervise/control the blasting operations.</b>	<b>Complied</b>
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**Compliance:**

The project proponent has appointed Second Class Manager, foreman and mining mate to supervise/control the blasting operations for the exploitation of minor minerals in the project site. The copies of certificates of qualified persons are provided in Annexure **No. 6**.

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

To contain dust emissions, the project has tarred the access road of 500 meters to the quarry site. The project is spraying water on the road to arrest the dust production during summer season. The project proponent is intending maintain access road to the quarry in good condition for dust emission and easiness of transportation of vehicles. The photograph of road is attached as **Plate No. 6**.

<b>16</b>	<b>Overburden materials should be managed within the site and the old quarries, if any, should be restored.</b>	<b>Complied</b>
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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. There is no old quarry in the site for restoration. The overburden materials are stored within the site at designated place. This will be used for plantation, haulage roads and land filling in the mining area. No overburden will let out from the project site.

<b>17</b>	<b>Height of the benches should not exceed 5m and width should not be less than 5m.</b>	<b>Being complied</b>
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**Compliance:**

The quarrying activity in the project is progressing by creating benches of 5m width and 5m height. **Plate No.7** showing the work progressing in the quarry area.

<b>18</b>	<b>Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.</b>	<b>Complied</b>
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**Compliance:**

The project proponent is using mats during the time of blasting. The project proponent is using ordinary delayed detonator for blasting therefore there is no issue with fly rock in the community and the project is also assure the maximum PPV is under 10.

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

Mining depth will not exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less.

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

No mining operation is carried out with a slope greater than 45°.

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

To reduce sound amplification, the machines of crusher unit is housed with solid bricks. A green belt is also developed around the unit to reduce noise and air pollution. This helps the noise and sound level is kept within the prescribed standards. The labours in the unit are wearing ear plugs to reduce the impact of noise generating from the machines. The project proponent is maintained all machineries in a good manner.

22	The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc	<b>Complied</b>
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**Compliance:**

The project proponent provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, gloves, etc. to labours in the quarry site

in order to ensure the safety of workers in working site. The photograph of the workers with PPE is given in the **Plate No.8**.

23	<b>Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.</b>	<b>Complied</b>
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**Compliance:**

The project proponent ensured that all storm water from the mining area is flowing in to the drainages created at lower slopes of mining area. The project proponent has created 2 tanks in the lower slopes. The water is letting out only through the motor pumping from the collection point. The project proponent has initiated steps to create garland drains where it is necessary in the project area for storm water management. The Photograph of the drain is attached as **Plate No.9**

24	<b>The transportation of minerals should be done in covered trucks to contain dust emissions.</b>	<b>Complied</b>
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**Compliance:**

The project proponent assure that the trucks are covered to avoid dust emission from the vehicle while transportation of materials.

25	<b>The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.</b>	<b>being complied</b>
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**Compliance:**

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

26	<b>Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.</b>	<b>Complied</b>
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**Compliance:**

The spent oil sold only to the approved recyclers, some time it is using as lubricant in the project site.

27	<b>Explosives should be stored in magazines in isolated place specified and approved by the explosives department.</b>	<b>Complied</b>
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**Compliance:**

Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The photograph of the magazine is provided as **Plate No.10**.

28	<b>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.</b>	<b>Complied</b>
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**Compliance:**

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 170 meter form the quarry, the KSPCB condition is 50 meter.

29	<b>200 m buffer distance should be maintained from forest boundaries.</b>	<b>Noted</b>
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**Compliance:**

There is no forest area near to the project site. The project proponent has left adequate buffer distance from the quarry to the nearest teak plantation.

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

The Project proponent has obtained “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board. Copy of consent is provided in **Annexure No.1**.

<b>31</b>	<b>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.</b>	<b>Complied</b>
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**Compliance:**

The certificates obtained from other concerned statutory authorities are enclosed in **Annexure No.1, 2, 3, 4 & 5**. The details are given below

**TABLE 5 – APPROVALS FROM COMPETENT AUTHORITIES**

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

<b>32</b>	<b>In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority</b>	<b>Will be complied</b>
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**Compliance:**

In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

<b>33</b>	<b>The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action</b>	<b>Noted</b>
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	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.	
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**Compliance:**

The project proponent is willing to add additional safe guard measures subsequently if the authority found necessary.

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

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

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**

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	Complied
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	<p>available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at <a href="http://www.seiaakerala.org">www.seiaakerala.org</a>. <u>The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</u></p>	
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**Compliance:**

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. . The copy of the advertisement given in two local newspapers is provided at **Annexure No.7**. The details are given below in the table.

**Table No.6 - Details of news paper where advertisement published**

News paper	Language	Date
Kerala Kaumudhi	Malayalam	10/03/2016
Indian Express	English	10/03/2016

36	<p>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.</p>	Complied
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**Compliance:**

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance letter to anyone.

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.	Complied
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**Compliance:**

The compliance report is being submitted to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The monitored data of Air, Water and Noise is attached as **Annexure No. 8, 9 & 10.**

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.	complied
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**Compliance:**

The detail of the Environmental Clearance is prominently displayed in a metallic board with the specific conditions as per specifications mentioned in the condition. Same is attached as **Plate No. 15.**

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.

<b>40</b>	<b>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.</b>	<b>Noted</b>
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**Compliance:**

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

# PLATES

**Plate No.1**



**Rain water Harvesting Pond in the project site**

**Plate No.2**



**Fencing around the EC area**

Plate No.3



Sign boards

Plate No.4



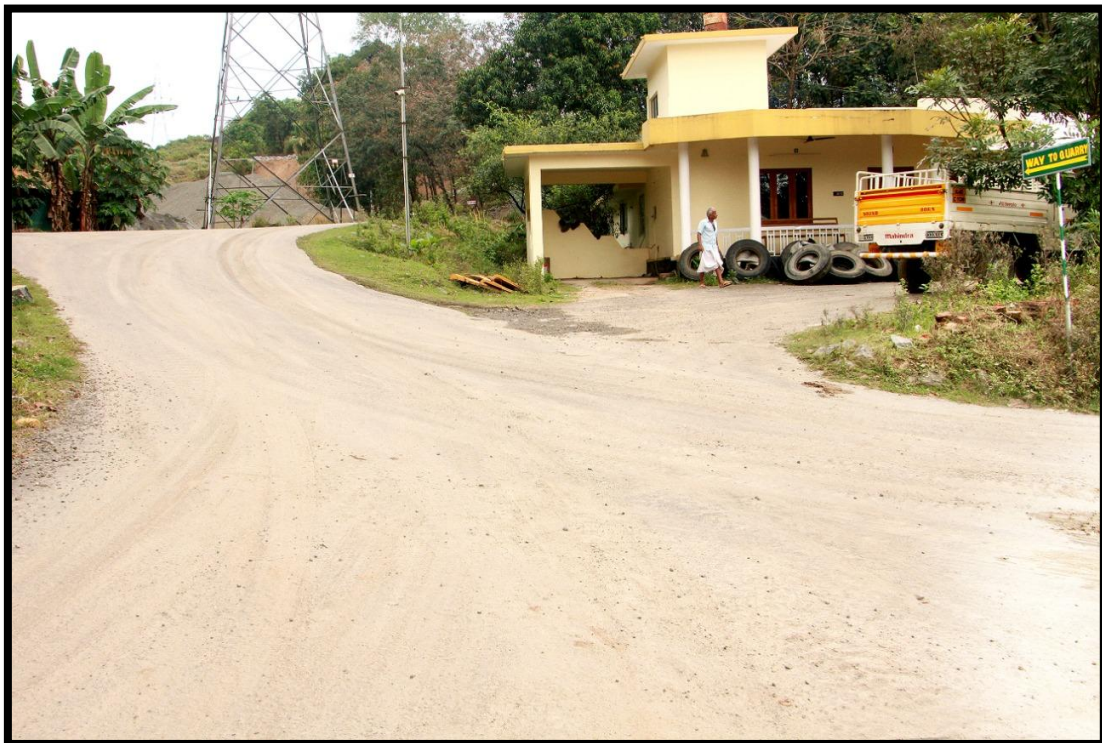
Warning Alarm

Plate No.5



Blasting time

Plate No.6



Access Road

**Plate No.7**



**Mining Area**

**Plate No.8**



**Drainage**



**Plate No.9**



**PPE**

**Plate No.10**



**Magazine**

Plate No.11



EC Board

**ANNEXURE**

**Annexure No.1****KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/TSR/IC/5069/2008

Date of issue :12/03/2020

**INTEGRATED CONSENT TO OPERATE - RENEWAL****Consent No : PCB/DO/TSR/R3/ICO/2758/2020****Ref : 1) Your Online application no: 12621860 dated 24-01-2020****2) Consent No:PCB/DO/TSR/R2/ICO/2758/2017 dated 11/04/2017 with validity up to 30/04/2020.****3) Variation No:PCB/DO/TSR/R2/ICO/2758/2018 dated 12/01/2018 with validity up to 30/04/2020.****4) Variation No:PCB/DO/TSR/R2/ICO/2758/2019 dated 19/10/2019 with validity up to 30/04/2020.**

The 'Integrated Consent to Operate' issued as per reference above to M/s Blue Mountain Granites (Quarry), Vellikulangara P.O., Thrissur is hereby renewed up to 04/02/2021 and issued to M/s Blue Mountain Granites (Quarry), Vellikulangara P.O., Thrissur. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

**I. GENERAL**

S.No.	Items	Description
1	Annual fee	Rs.22000/-
2	Fee remitted	Rs.1,10,000/-

**II. Stack Details**

Stack No.	Source of Emission	Emission Rate(Nm <sup>3</sup> /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

**III. CONDITIONS**

3.1 The application for renewal of consent shall be submitted online (krocmms.nic.in ) two months in advance of the date of expiry of validity of the consent. Late application will be accepted only with fine as applicable.

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

SUSEELA NAIR V A

Digitally signed by SUSEELA NAIR V A  
Date: 2020.03.12 23:58:26 +05'30'

DATE :12/03/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER



**To**

Sri.Benny Pathrose,  
Madappilly House,  
Malayidamthuruth P.O.,  
Kizhakkambalam,  
Ernakulam.

- 1. This digitally signed document is legally valid as per the Information Technology Act 2000**
2. For verifying this document please go to [krocmms.nic.in](http://krocmms.nic.in) and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

Page2

**Consent to operate**

**Annexure No. 2**

SF



Validity expires on 04-02-2021

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

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

Sub: SEIAA- Environmental Clearance for the proposed building stone quarry project in Survey No. 1982 at Vellikulangara Village, Mattathur Panchayath, Chalakkudy Taluk, Thrissur District by Sri. Mathew P Pathrose, Managing Partner, M/s Blue Mountain Granites -Granted- Orders issued.

**STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY**

No. 626/SEIAA/EC1/4809/2014

dated, Thiruvananthapuram 05-02-2016

- Read:- 1. Application dated 30-09-2014 submitted by Sri. Mathew P Pathrose, Managing Partner, M/s Blue Mountain Granites, Vellikulangara P.O., Chalakkudy, Thrissur – 680699
2. Minutes of the 45<sup>th</sup> meeting of SEIAA held on 04- 12- 2015.
  3. Minutes of the 46<sup>th</sup> meeting of SEAC held on 29/30-09-2015.
  4. Minutes of the 48<sup>th</sup> meeting of SEAC held on 06/07-11-2015.
  5. Minutes of the 47<sup>th</sup> meeting of SEIAA held on 07-01-2016.

**Environmental Clearance No. 12/2016.**

Sri. Mathew P Pathrose, Managing Partner, M/s Blue Mountain Granites, Vellikulangara P.O., Chalakkudy, Thrissur – 680699 vide his application received on 09/10/2014 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. No. 1982 at Vellikulangara Village, Mattathur Panchayath, Chalakkudy Taluk, Thrissur District for an area of 3.0352 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) dtd. 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 in 10°21'57.69" N to 10°21'49.02" N Latitude and 76°25'09.87"E to 76°25'04.05"E Longitude. The land use classification as per revenue records is private own land with rocky area consists of 3.0352 hectares. Main rock type in the area is charnockite visible at some places and covered with soil of 0.15 m to 0.20 m. The area is undulated and slope towards southern side with highest elevation of the area is at 90m MSL and lowest is at 45 m MSL. The present land use is some native trees, shrubs, herbs etc. The proposed project is for quarrying of 120,000 MTA of building stone from an area of 3.0352 hectares of land. Domestic effluent will be discharged in septic tank and soak pit system. The quarry operation is

**EC order**

## Annexure No.3

Page 1 of 2

Transferred from Mathew.M.Pathrose

## अनुज्ञप्ति प्ररूप एल. ई.-3 | LICENCE FORM LE-3

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)  
(See article 3(a) to (d) of Part I of Schedule IV of Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञप्ति

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

अनुज्ञप्ति सं. (Licence No.): E/SC/KL/22/862(E40290)  
वार्षिक फीस रूपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

Shri Benny Pathrose (अधिभोगी / Occupier : Shri Benny Pathrose), Blue Mountain Granite, Vellikulangara Post, Thirissur District, Town/Village - Vellikulangara, District-THRISSUR, State-Kerala, Pincode - 680699

को अनुज्ञप्ति अनुदत्त की जाती है।

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

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।  
Licence is valid only for the following purpose. possess for use of Nitrate Mixture, Safety Fuse, Electric and/or Ordinary Detonators, - के उपयोग के लिए4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।  
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	200 Kg.
2.	Safety Fuse	6,1	0	2000 Mtrs
3.	Electric and/or Ordinary Detonators	6,3	0	2000 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए]

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है।  
The licensed premises shall conform to the following drawing(s): रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/862(E40290) दिनांक (Dated) 11/07/2019

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:

Survey No(s). 1982 , ग्राम (Town/Village): Vellikulangara पुलिस थाना (Police Station) : Vellikulangara  
जिला (District) THRISSUR राज्य (State) Kerala पिनकोड (Pincode)  
दूरभाष (Phone) ई. मेल (E-Mail) केरल फैक्स (Fax)7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।  
The licensed premises consist of following facilities. Portable Explosives Magazine of H type fabricated by M/S. Industrial Explosives P Ltd, Naggur and T type fabricated by M/S.Nobel Ehgg & Fabrication Unit.8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।  
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

- उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।  
Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।  
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2009 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2009.

<http://10.0.1.11/IntExp/ExplosivesLicenceLE3Hindi.asp?LetterGeneratedYN=Y>

11-07-2019

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 01/03/2007

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of  
Explosives  
South Circle, Chennai

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/09/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 10/09/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 30/11/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 31/01/2018

**Transfers :**

- Change in Licensee Name/Address/Status dated : 11/07/2019

नवीनीकरण के पृष्ठानक के लिए स्थान  
Space for Endorsement of Renewal

  
Joint Chief Controller of Explosives  
South Circle, Chennai

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
13/02/2019	31/03/2024	Sd/- Dy. Chief Controller of Explosives, Ernakulam

**कानूनी चेतावनी :** विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।  
**Statutory Warning :** Mishandling and misuse of explosives shall constitute serious criminal offence under the law.



Annexure No. 4



ലൈസൻസ് നമ്പർ : എ3-914/2020-21 -.. 118 തീയതി : 27/04/2020

മറ്റത്തൂർ ഗ്രാമപഞ്ചായത്തിൽനിന്നും  
1994ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും  
അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച്  
ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന  
**ലൈസൻസ്**

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ബെന്നി പത്രോസ്, പാർട്ടണർ ബ്ലൂമാണ്ടൻ ഗ്രാനൈറ്റ്സ്, വെള്ളിക്കുളങ്ങര	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	ബ്ലൂമാണ്ടൻ ഗ്രാനൈറ്റ്സ് , വെള്ളിക്കുളങ്ങര	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	300HP ഉപയോഗിച്ച് കരിങ്കൽ ക്വാറി നടത്തുന്നതിന് ✓	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	10 / 75	
ലൈസൻസ് കാലയളവ്	01-04-2020 മുതൽ 31-03-2025 വരെ ✓	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	25,000 + 7,500/- രൂപ	രസീത് നമ്പർ 119030108666 തീയതി 12-02-2020
	തൊഴിൽക്കരം	1250 + 1250 Rt.No.119030108667 Dt : 12-02-2020
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	<ol style="list-style-type: none"> <li>1. മലിനീകരണനിയന്ത്രണ ബോർഡിൽനിന്നുള്ള അനുമതി ... PCB/2758/2019(04/02/2021) ... 12-03-2020</li> <li>2. ജില്ലാ കളക്ടറുടെ / ചീഫ് കൺട്രോളർ ഓഫ് എക്സ്പ്ലോസിവിന്റെ അനുവാദപത്രം ... E/SC/KL/22/862 (E40290)( 31/03/2024) ... 11-07-2019</li> <li>3. മൈനിംഗ് &amp; ജിയോളജി വകുപ്പിൽനിന്നുള്ള അനുമതി ... 173/2019-20(04/02/2021) ... 20-06-2019</li> <li>4. സ്റ്റേറ്റ് എൻവയൺമെന്റൽ ഇംപാക്ട് അസസ്മെന്റ് അതോറിറ്റിയുടെ അനുമതി ... 626/SEIAA/ECI/4809/2014(06/01/2021) ... 05-02-2016</li> <li>5. പാറ പൊട്ടിക്കുന്ന ആളുടെ വൈദഗ്ധ്യം സംബന്ധിച്ച സാക്ഷ്യപത്രം ... E/SC/KL/22/862(31/03/2024) ... 11-07-2019</li> </ol>	



(ഓഫീസ് മുദ്ര)



സെക്രട്ടറി  
മറ്റത്തൂർ ഗ്രാമപഞ്ചായത്ത്  
Mattathur Grama Panchayat  
Mattathur P.O., Thrissur (Dt.) Kerala 680684  
Mob: 9496046125, Ph: 0480 2740534

License Gram Panchayat

**Annexure No. 5****PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY**

**Sub:** Mining & Geology - Mines & Minerals - Minor Minerals – Granite Building Stone – Quarrying Lease to **M/s Blue Mountain Granites, Vellikulangara P. O, Thrissur District – 680 699 (Represented by its Managing Partner, Shri. Mathew. M. Pathrose, S/o Pathrose, Residing at Madappillil House, Malayidomthuruth, Edathala, Kunnathunad, Ernakulam District—683561)**- sanctioned-orders –issued.

- Ref:** 1. Application dtd. 17/08/2017 from **M/s Blue Mountain Granites, Vellikulangara P. O, Thrissur District – 680 699 (Represented by its Managing Partner, Shri. Mathew. M. Pathrose, S/o Pathrose, residing at Madappillil House, Malayidomthuruth, Edathala, Kunnathunad, Ernakulam District—683561)**
2. Letter No.2112/C2/TDO/2017 dtd 27/11/2017 & 21/12/2017 from the Senior Geologist, District Office, Thrissur.
3. Letter of Intent No. 10799/M3/2017 dtd 27/12/2017
4. Pro.order No. 626/SEIAA/EC1/4809/2014 dated 05/02/2016 (E .C No. 12/2016) & Erratum Order No. 626/EC1/4809/2014/SEIAA dated 24/01/2017 of the State Environment Impact Assessment Authority, Kerala
5. Mines and Minerals (Development & Regulation) Act, 1957.
6. Kerala Minor Mineral Concession Rules, 2015.
7. Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015.

<b>No.770/2017-18/10799/M3/2017/DMG</b>
---

<b>Dated, Thiruvananthapuram 21/02/2018</b>
---

**ORDER**

A quarrying lease is granted to **M/s Blue Mountain Granites, Vellikulangara P. O, Thrissur District – 680 699 (Represented by its Managing Partner, Shri. Mathew. M. Pathrose, S/o Pathrose, residing at Madappillil House, Malayidomthuruth, Edathala, Kunnathunad, Ernakulam District—683561)** to quarry **Granite (Building Stone)** over an area of **3.0352 Hectares** of land comprised in **Survey No. 1982 of Vellikulangara Village, Chalakkudy Taluk, Thrissur District** for **Ten (10) years** from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the **Tahsildar (LR), Chalakkudy** and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

- Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
- Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
- Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
- The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
- The lessee shall also deposit an amount of Rs 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
- The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
- The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
- The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to **79, 195 Metric Tonnes per year**

9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable), area of extraction permitted, explosives used (if any), etc.
- (ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, -100 metres away by the side of the road leading to it.
10. The lessee shall fence the lease area before the commencement of the quarrying operation for preventing accidents by falling of human beings, animals, vehicles or any materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.
11. The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties including government puramboke land while carrying out quarrying operations.
12. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by them.
15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
16. The lessee shall produce scheme of mining before completion of five years of operation of the quarry.
17. The lessee shall produce a financial guarantee for Rs. 1, 00, 000/- (Rupees one lakh only) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
19. The lessee shall carry out mining operations as per the approved mining plan.
20. The lessee shall renew Environmental Clearance on or before **04/02/2021** for the operation of the quarry for the remaining period.
21. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.
22. The lessee shall comply all the conditions maintained in the statutory licenses. The terms and conditions stated in this order will be subject to such further modifications as may be made by the State Government from time to time.

Sd/-

C. K. BAIJU

DIRECTOR OF MINING &amp; GEOLOGY (I/C)

To

M/s Blue Mountain Granites, Vellikulangara P. O, Thrissur District – 680 699  
(Represented by its Managing Partner, Shri. Mathew. M. Pathrose, S/o Pathrose,  
Residing at Madappillil House, Malayidomthuruth, Edathala, Kunnathunad, Ernakulam  
District—683561

Copy to:

1. The Director of Mines Safety,  
No.5, 100FT,Road,17<sup>th</sup> Main, Koramangala 4<sup>th</sup> Block  
Bengaluru, Karnataka – 560034
2. The District Collector, Thrissur
3. The Sr. Geologist, District Office, Thrissur
4. The Tahsildar, Chalakkudy
5. Stock File (2), File copy

BY ORDER

  
JUNIOR SUPERINTENDENT


Lease order

## Annexure No. 6





Cert No. SMR-E/6205

भारत सरकार/Government of India  
 खान अधिनियम, 1952/Mines Act, 1952  
 खनन परीक्षा बोर्ड/Board of Mining Examinations  
 द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र  
**SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY**  
 (केवल ओपनकास्ट खानों तक सीमित)  
 (Restricted to mines having opencast workings only)  
 (धात्विकीय खान विनियम, 1961 के अन्तर्गत)  
 (Under the Metalliferous Mines Regulations, 1961)

SREEKRISHNAN K. S.  
 (MINES MANAGER)  
 SUBULLEM-E-GAVAL MINES  
 SMT. GEETABALA MANOHA

श्री परब मातोडंकर संकेत सदानंद सुपुत्र सदानंद मातोडंकर  
 जिनको जन्म तिथि 02.04.1992 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने  
 का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के प्रबंधन हेतु  
 द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 10.06.2017  
 से प्रभावी है।




Shri Parab Matonkar Saniket son of Sadanand Matonkar  
 born on 02nd April, 1992 Sadanand having given satisfactory evidence of possessing  
 the prescribed qualifications and experience is hereby granted SECOND CLASS MANAGER'S  
 CERTIFICATE OF COMPETENCY to manage the metalliferous mines having opencast workings  
 only. This certificate is effective from 10.06.2017



  
 सचिव  
 खनन परीक्षा बोर्ड  
 Secretary  
 Board of Mining  
 Examinations

  
 अध्यक्ष  
 खनन परीक्षा बोर्ड  
 Chairman  
 Board of Mining  
 Examinations

Signed and Sealed  
 Date 25.04.18

Cert No. FRE /3779

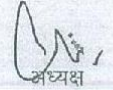
भारत सरकार/Government of India  
 खान अधिनियम, 1952/Mines Act, 1952  
 खनन परीक्षा बोर्ड/Board of Mining Examinations  
 फोरमैन सक्षमता प्रमाण-पत्र  
**FOREMAN'S CERTIFICATE OF COMPETENCY**  
 (केवल ओपनकास्ट खानों तक सीमित)  
 (Restricted to mines having opencast working only)  
 (धात्विकीय खान विनियम, 1961 के अन्तर्गत)  
 (Under the Metalliferous Mines Regulations, 1961)

श्री कल्लेमपुडी नागेन्द्र सुपुत्र कल्लेमपुडी राजुबाबु  
 जिनकी जन्म तिथि 20.08.1993 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के लिए फोरमैन सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 07.07.2015 से प्रभावी है।

Shri *Kallempudi Nagendra* son of *Kallempudi Rajubabu*  
 born on *20<sup>th</sup> August, 1993* having given satisfactory evidence of possessing the prescribed qualifications and experience is hereby granted FORMAN'S CERTIFICATE OF COMPETENCY for metalliferous mine having opencast workings only. This certificate is effective from *07.07.2015*

*Ravi*  
 सचिव  
 खनन परीक्षा बोर्ड  
 Secretary  
 Board of Mining  
 Examinations

*self attested*  
*K. Nagendra*

  
 अध्यक्ष  
 खनन परीक्षा बोर्ड  
 Chairman  
 Board of Mining  
 Examinations

Signed and Sealed  
 Date *04.03.16*



 सत्यमेव जयते		 SARAVANAN P Basavaraj Swamy Mine Manager	
Cert No. FRE /4379			
भारत सरकार/Government of India खान अधिनियम, 1952/Mines Act, 1952 खनन परीक्षा बोर्ड/Board of Mining Examinations फोरमैन सक्षमता प्रमाण-पत्र <b>FOREMAN'S CERTIFICATE OF COMPETENCY</b> (केवल ओपनकास्ट खानों तक सीमित) (Restricted to mines having opencast working only) (धात्विकीय खान विनियम, 1961 के अन्तर्गत) (Under the Metalliferous Mines Regulations, 1961)			
श्री	<b>श्रवणान पी</b>	सुपुत्र	<b>पलानी आर</b>
जिनकी जन्म तिथि	<b>15.01.1997</b>	है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के लिए फोरमैन सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 01 फरवरी 2019 से प्रभावी है।	
Shri	<b>SARAVANAN P</b>	son of	<b>PALANI R</b>
born on	<b>15 JANUARY 1997</b>	having given satisfactory evidence of possessing the prescribed qualifications and experience is hereby granted	<b>FORMAN'S CERTIFICATE OF COMPETENCY</b> for metalliferous mine having opencast workings only. This certificate is effective from
	<b>01.02.2019</b>		
 सचिव खनन परीक्षा बोर्ड Secretary Board of Mining Examinations		 अध्यक्ष खनन परीक्षा बोर्ड Chairman Board of Mining Examinations	
Signed and Sealed Date <b>08/05/2020</b>			

### Certificate of Qualified Persons





## Annexure No. 11

**TEST REPORT**

Test Report No: 20200518/R054	Date: 23.05.2020	Page 1 of 1
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**CUSTOMER DETAILS**

Customer Details	Name & Address	M/s Blue Mountain Granites Vellikulangara, Chalakudy Thrissur District
	Survey No	1982
Location of Site	Village	Vellikulangara
	Taluk	Chalakudy
	District	Thrissur
	State	Kerala
Customer Reference	---	

**SAMPLE DETAILS**

Source of Sample	Ambient Air	Sample Code	20200518/S054
Location of Monitoring	East side boundary	Sampled By	Laboratory
Date of Monitoring	18.05.2020	Test Started On	20.05.2020
Sample Received On	19.05.2020	Test Completed On	23.05.2020
Humidity	69 %	Sampling Procedure	IS 5182 Part V & XIV

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM <sub>10</sub> )	IS 5182 Part 23: 2006 RA 2017	µg/m <sup>3</sup>	58.6	100
02	Particulate matter (PM <sub>2.5</sub> )	EPA 40 CFR Part 50 Appendix - L	µg/m <sup>3</sup>	25.8	60.0
03	Sulphur dioxide (SO <sub>2</sub> )	IS 5182 Part 2: 2001 RA 2017	µg/m <sup>3</sup>	< 2.00	80.0
04	Nitrogen dioxide (NO <sub>2</sub> )	IS 5182 Part 6: 2006 RA 2017	µg/m <sup>3</sup>	< 2.00	80.0

\*\*\*End of Report\*\*\*

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical Laboratories

*Rija*  
Authorized Signatory  
**Rija Joseph**  
Technical Manager

**Standard<sup>s</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB  
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43  
Web: www.sealabs.in, E-mail: seaalab@gmail.com

**Ambient Air**

## Annexure No.12

**TEST REPORT**

Test Report No: 20200518/R055	Date: 23.05.2020	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Blue Mountain Granites Vellikulangara, Chalakudy Thrissur District
Location of Site	Survey No	1982
	Village	Vellikulangara
	Taluk	Chalakudy
	District	Thrissur
	State	Kerala
Customer Reference	---	
SAMPLE DETAILS		
Source of Sample	Ambient Sound Level	
Sample Code	20200518/S055	
Location of Monitoring	North side Boundary	
Date of Monitoring	18.05.2020	
Method	IS 9989:1981 RA:2008	

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	37.6 dB (A)	23.00 Hrs	34.1 dB (A)
07.00 Hrs	40.4 dB (A)	00.00 Hrs	36.6 dB (A)
08.00 Hrs	44.6 dB (A)	01.00 Hrs	37.3 dB (A)
09.00 Hrs	48.1 dB (A)	02.00 Hrs	37.0 dB (A)
10.00 Hrs	50.4 dB (A)	03.00 Hrs	37.7 dB (A)
11.00 Hrs	53.5 dB (A)	04.00 Hrs	36.6 dB (A)
12.00 Hrs	50.8 dB (A)	05.00 Hrs	38.4 dB (A)
13.00 Hrs	50.1 dB (A)	RESULTS	
14.00 Hrs	50.4 dB (A)		
15.00 Hrs	50.8 dB (A)	Noise Level (Leq) Daytime	48.9 dB (A)
16.00 Hrs	52.0 dB (A)		
17.00 Hrs	52.4 dB (A)		
18.00 Hrs	46.9 dB (A)		
19.00 Hrs	43.5 dB (A)		
20.00 Hrs	39.6 dB (A)	Noise Level (Leq) Nighttime	36.9 dB (A)
21.00 Hrs	39.1 dB (A)		
22.00 Hrs	36.5 dB (A)		

\*\*\*End of Report\*\*\*

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical Laboratories

*Rija*  
Authorized Signatory  
**Rija Joseph**  
Technical Manager

**Standard<sup>s</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB  
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43  
Web: www.sealabs.in, E-mail: seaalab@gmail.com

**Result of ambient sound**

## Annexure No.13

**TEST REPORT**

Test Report No: 20200518/R056	Date: 23.05.2020	Page 1 of 1
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CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Blue Mountain Granites Vellikulangara, Chalakudy Thrissur District	
Location of Site	Survey No	1982	
	Village	Vellikulangara	
	Taluk	Chalakudy	
	District	Thrissur	
	State	Kerala	
Customer Reference	---		
SAMPLE DETAILS			
Sample Code	20200518/S056	Sample Received On	19.05.2020
Sample Name	Water	Sampling Procedure	---
Sample Description	Bore well	Sampling Location	100 M away from the South - East direction of the Quarry
Identification By Customer	---	Sample Condition	Good
Sampled On	---	Test Started On	20.05.2020
Sampled By	Customer	Test Completed On	23.05.2020

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2017	---	Agreeable	Agreeable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	0.80	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	6.85	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	µS/cm	149	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	96.0	500 (Max)
07	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2014	mg/L	38.4	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	8.08	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	4.43	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	24.9	250 (Max)
11	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2014	mg/L	23.9	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.38	1.00 (Max)
13	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2014	mg/L	8.20	200 (Max)
14	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
15	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

\*\*\*End of Report\*\*\*

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical Laboratories

*Rija*  
Authorized Signatory  
**Rija Joseph**  
Technical Manager

**Standard<sup>s</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB  
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43  
Web: www.sealabs.in, E-mail: seaalab@gmail.com

**Result of drinking water**

Annexure No. 14

**DEBIT CASH / TRANSFER VOUCHER**

No. 84 Date: 04/05/20

Head of A/c: Donation

Name: Ajem

Rupees: \_\_\_\_\_

Being: Covid Relief fund / Mathathoor Gramy  
Pooja Yashu

₹ 30000

Prepared by \_\_\_\_\_ Authorised by \_\_\_\_\_

Signature of the Receipter


**പരിസ്ഥിതി പ്രകൃതി സംരക്ഷണ സമിതി**  
**ENVIRONMENT PROTECTION GROUP**  
 Reg. No. 331/2K14, TSSR  
 Tel: 9847612238, 9446620105  
 സംസ്ഥാന കമ്മിറ്റി  
സംഭാവന രശ്മിതി

നമ്പർ: 2277 തീയതി: 19.08.2020

ശ്രീ/ ശ്രീമതി: Mrs. BLUE MOUNTAIN GRANITES

VELUKULANGARA THEISSUR പക്കൽ നിന്നും

Five hundred only രൂപ നന്ദിപുർവ്വം കിട്ടി ബോധിച്ചു

₹ 500 പ്രസിഡന്റ്

സെക്രട്ടറി

GLOBAL GLASS & HARDWARES		Invoice No.	Dated				
ATHIRAPPILLY ROAD KODAPUZHA, CHALAKUDY THRISSUR GSTIN/UID: 32AROPC0420D1ZN State Name : Kerala, Code : 32 Contact : 04802967557, 9995087557 E-Mail : globalchalakudy@gmail.com		<b>654</b>	<b>8-Jul-2020</b>				
Buyer		Delivery Note	Mode/Terms of Payment				
<b>BLUE MOUNTAIN GRANITES</b> VELLIKULANGARA THRISSUR GSTIN/UID : 32AAJFB5109Q1ZA State Name : Kerala, Code : 32		Supplier's Ref.	Other Reference(s)				
		Buyer's Order No.	Dated				
		Despatch Document No.	Delivery Note Date				
		Despatched through	Destination				
		Terms of Delivery					
SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	Convex Mirror 24"	3926	1.00 nos	2,542.37	nos		2,542.37
	SGST						228.81
	CGST						228.81
	ROUND OFF						0.01
Total			1.00 nos				₹ 3,000.00
Amount Chargeable (in words) <b>INR Three Thousand Only</b>							
E. & O.E							
Taxable Value		Central Tax		State Tax		Total	
		Rate	Amount	Rate	Amount	Tax Amount	
2,542.37		9%	228.81	9%	228.81	457.62	
Total:		2,542.37	228.81	228.81	228.81	457.62	
Tax Amount (in words) : <b>INR Four Hundred Fifty Seven and Sixty Two paise Only</b>							
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.		for GLOBAL GLASS & HARDWARES					
		Authorised Signatory					
This is a Computer Generated Invoice							

CSR/CER Receipts/Vouchers