# M/s ST. BASIL GRANITES

# COMPLIANCE REPORT OCTOBER 2021 – MARCH 2022

THRISSUR DISTRICT KERALA



Dt. 10-06-2022

**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. 61/SEIAA/KL/7682/2012

Sub :- Environment Clearance – Quarry project at Pananchery village and panchayat, Thrissur Taluk, Thrissur District, Kerala. – Compliance Report –Second half – Reg.

**Respected Sir**,

The Quarry (Building stone) project was accorded Environmental Clearance for **4.8988 Ha**. by order No. **61/SEIAA/KL/7682/2012**, dated 02/01/2014 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second half** (October 2021 to March 2022) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you, Yours respectfully,

For M/s St. Basil Granites

LALY OUSEPH. Managing Partner.

Copy to : The Chairman & The Member Secretary State Environment Impact Assessment Authority (SEIAA) Thiruvananthapuram, Kerala – 01

Encl: - As Above

Poovanchira P.O Thrissur (Dist) Kerala, Pin -680652,

GSTIN:32AAJFS4848P1ZJ

mail@stbasilgranites.com tel.:0487-2282420, 2282820,9846346690,9946469274,9846489097

#### **COMPLIANCE REPORT**

#### ТО

#### THE CONDITIONS

#### OF

#### **ENVIRONMENTAL CLEARANCE ORDER**

#### NO: 61/SEIAA/KL/7682/2012

#### Dated: 02.01.2014

ΒY

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

#### FOR

#### **BUILDING STONE QUARRY**

#### (MINOR MINERAL MINING) PROJECT

AT

### SY. NO. 332/4, 340/5, 340/4PT, 331/4, 331/6P, 340/3,340/3P AND 340/4P AT PANANCHERY VILLAGE AND PANCHAYAT, THRISSUR TALUK, THRISSUR DISTRICT, KERALA

BY

### M/S ST. BASIL GRANITES

#### THRISSUR DISTRICT

#### KERALA

### **INDEX**

SI. No.	Particulars	Page No.
1.	Introduction	7
2.	Salient features	8
3.	Compliance Report – Specific conditions – Part A	09
4.	Compliance Report – General conditions – Part B	11
5.	Plates	27
6.	Annexure	37

### LIST OF TABLES

SI. No.	Particulars	Page No.
1.	Environmental Monitoring Cell (EMC)	12
2.	Details of the vegetation existing along the road side	13
3.	Details of saplings planted as part of eco – restoration	14
4.	Details of CSR Activities	16
5.	Details of statutory approvals	23

### LIST OF PLATES

Plate	Particulars	Page No.
No.		
1	Photograph showing fencing for Rain Water Harvesting Pond	28
2	Photograph of the avenue trees planted along the road side	28
3.	Photograph of Solar lights	29
4.	Photograph showing the sprinkler installed in the project site	29
5.	Photograph of concurrent Eco restoration	30
6.	Photograph showing Barbed Metal wire fencing in the project site.	30
7.	Photograph showing warning alarm installed in the project site	31
8.	Photographs showing the tarred access road to the project site	31
9.	Photograph showing the stacked overburden / top soil.	32
10.	Photographs showing the benches system in the quarry site.	32
11.	Photograph showing the crusher unit in the project site.	33
12.	Labours with PPE	33
13.	Photograph of Draining	34
14.	Photographs showing the covered trucks during transportation of minerals.	34
15.	Photograph showing the magazine (Explosive storage area)	35
16.	Photograph of metallic board for displaying the details of EC order.	35
17	Photograph of CSR activities	36

### LIST OF ANNEXURES

Annexure No.	Particulars	Page No.
1.	Copy of the invoice on the expenses incurred in purchase of plants for eco-restoration	38
2.	Copy of the receipts of the expenses of Solar street lights	39
3.	Copy of the receipts of the expenses of fencing	40
4.	Copy of the certificate of Mines manager and Mining mate	41
5.	Copy of the affidavit	44
6.	Copy of EC order	45
7.	Copy of the "Consent to Operate" from Kerala State Pollution Control Board (Renewal)	46
8.	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	50
9	Copy of lease order form Director of Mining and Geology	52
10.	Copy of License for quarry operations from Gram Panchayath	53
11.	Copy of advertisement in newspaper	54
12.	Monitoring results of air, Water and Noise	55
13.	Copy of CSR/CER receipts	59

#### **INTRODUCTION**

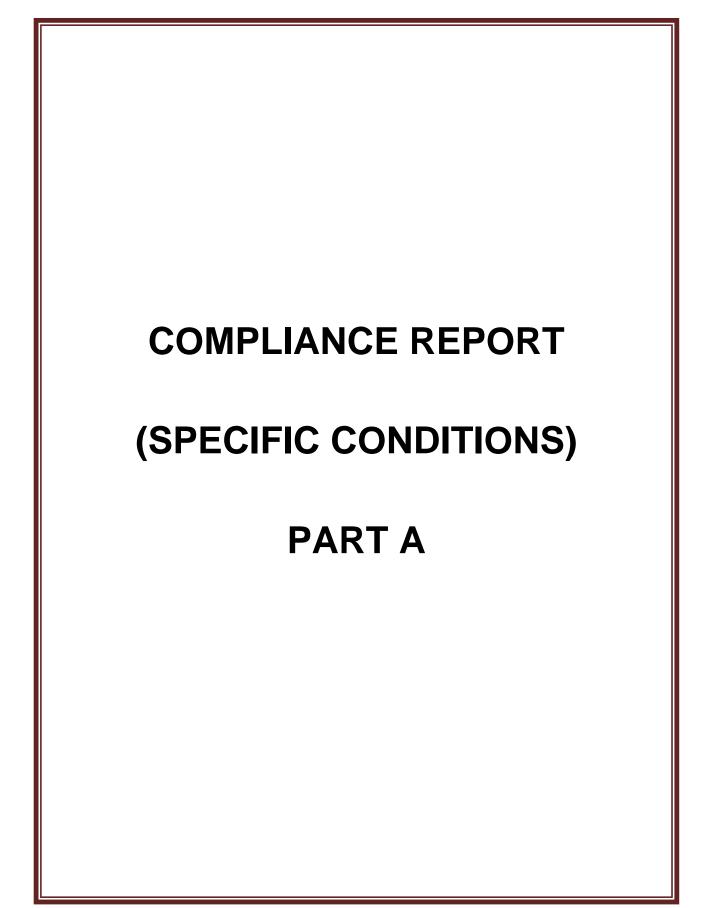
Quarry project of **M/s St. Basil Granites** is situated at Sy. No. 332/4, 340/5, 340/4 pt, 331/4, 331/6 p, 340/3,340/3p and 340/4p at Pananchery village and Panchayath, Thrissur Taluk, Thrissur District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 02.01.2014. 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 compliance report of First half to the specific conditions and general conditions of the Environmental Clearance for the period of **October 2021 – March 2022** 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 18<sup>th</sup> 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 10<sup>0</sup>34'14.55 to 10<sup>0</sup>34'29.6596" Latitude (N) and 76<sup>0</sup>21'40.2541" to 76<sup>0</sup>21'40.2541"(E). The quarry is interlinked with a Crusher / M sand unit located within the complex. The Capacity is 2, 94,000 MTA. There are no litigations against the lease area or applicant in any court of law. Topography is hilly. Highest elevation is 100m MSL and lowest 63m MSL. The approximate daily water demand is 6 KLD and total power requirement is 150 kw.



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

01	A safe buffer distance of 100 m shall be left from nearby	Complied
	settlements of land and within lease area without conducting	
	quarrying activities.	

#### Compliance:

A safe buffer distance of 100 m has left from nearby settlements land. The quarrying activities has been carrying out more than 100 meter away from the lease area.

02	Retaining wall should be provided on the western	part	of	Complied
	garland drain to arrest the runoff and clarify the water			

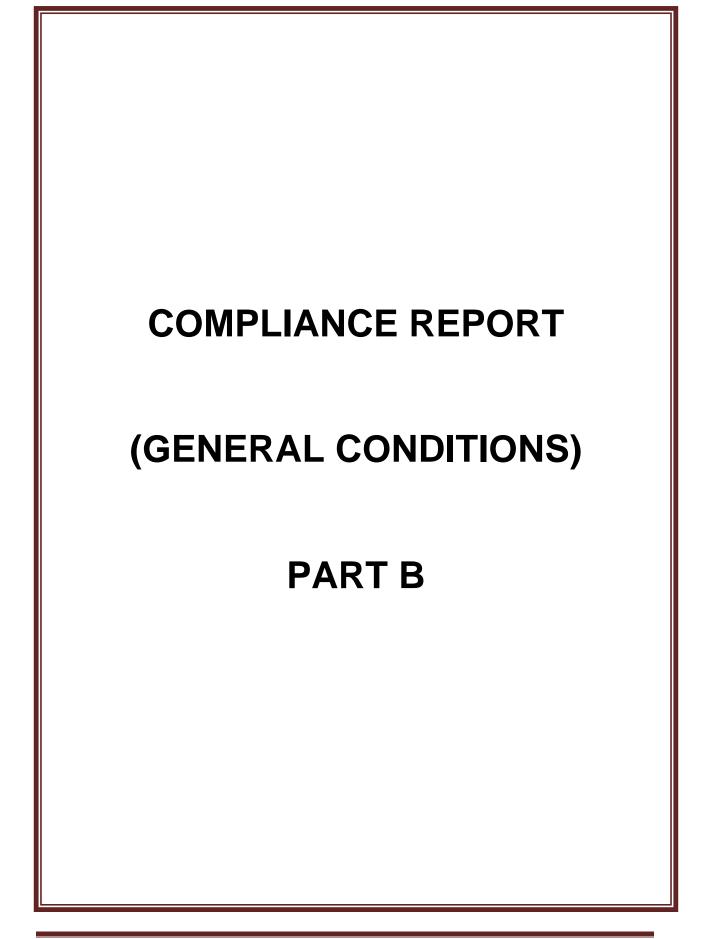
#### Compliance:

On the western part of garland drain a retaining wall has provided to arrest the runoff and clarify the water.

03	Fencing	and	retaining	wall	should	be	provided	as	safety	Complied
	measure	to av	oid any un	towar	d incider	nt.				

#### Compliance:

The project proponent has provided fencing around the lease area with barbed metal wore fencing. A retaining wall has provided as safety measure to avoid any untoward incident in the project site.



#### PART – B – GENERAL CONDITIONS

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

#### Compliance:

The proponent has developed rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The storm water from all mining areas is properly channelized to this pond. It is situated in the lowest level of quarry area. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system). The photograph of Rain water collection pond is provided in **Plate No. 1** 

02	Environment	Monitoring	Cell	(EMC)	as	agreed	under	the	Complied
	affidavit filed	by the prop	ponen	nt shoul	d be	e formed	and m	nade	
	functional.								

#### Compliance:

The Environmental Monitoring Cell (EMC) formed and made functional with Mr. K P Ouseph as head of the monitoring cell. The EMC meeting arranges regularly for a sustainable environment. The details of the monitoring cell are given below in the **Table No.1.** The NABET accredited consultant helps the company to upkeep the environment friendly mining

SI. No.	Post	Name			
1.	Head of the monitoring cell	K P Ouseph			
2.	Head in charge (Environment)	Uma shanker			
3.	Environment Officer in charge at Site	Basil. K. Elias			
4.	Name of the Environment Consultant	M/s Environmental Engineers &			
		Consultants Pvt. Ltd.			

TABLE 1 - ENVIRONMENTAL MONITORING CELL (EMC)

#### 03 Suitable avenue trees should be planted along either side of the Complied

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

#### Compliance:

To reduce air and noise pollution, the project proponent has planted suitable avenue trees along either side of the road. There is also natural vegetation including trees, shrubs and climbers are presents in the project area. The details of vegetation are given below **Table No. 2**. The copy of bill from nursery is given in **Annexure No.1**. The photograph of avenue trees is attached as **Plate No. 2**.

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

SI. No.	Scientific Name	Common Name	Family	Habit
1.	Swietenia mahagoni	Mahagony	Meliaceae	Tree
2.	Anacardium occidentale	Kasumavu	Anacardiaceae	Tree
3.	Artocarpus heterophyllus	Plavu	Moraceae	Tree
4.	4. Chromolaena odorata Communist-pacha		Compositae	Shrub
5.	Coccos nucifera Thengu / Coconut Arecace		Arecaceae	Tree
6.	Mangifera indica	indica Mavu Anacardiaceae		Tree
7.	Pennisetum orientale	Oriental fountain grass	Poaceae	Herb
8.	Tabernaemontana	Kunnanpala	Apocynaceae	Tree
	alternifolia			
9.	Tectona grandisThekkuVerbenad		Verbenaceae	Tree
10.	Ziziphus oenopolia	<i>is oenopolia</i> Thodalli		Climber

04 The project shall incorporate devices for solar energy Complied generation and utilization wherever possible.

#### Compliance:

The installation of solar can reduce the consumption from conventional sources therefore the project proponent has installed two solar panels in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. The 3 KW panel can generate energy for the operation of office building. Photograph of Solar panels is attached as **Plate No. 1.** The photograph of solar street lights and solar

panel is provided in **Plate No.3**. The purchasing bill of solar street light is given in **Annexure No. 2**.

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

#### Compliance:

The project proponent 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. Sprinklers are also installed in the project site. The sprinklers installed in and around the crusher unit. This help to suppress dust during the time summer season. The photograph of effective utilization of sprinklers is provided at **Plate No. 4**.

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

#### Compliance:

Eco restoration is an integral part of mining activity. The eco restoration and the mine closure plan will be done at the own cost of the project proponent as per the approved mining plan. The planted and proposed sapling to be planted in the project site is given below in the **Table No. 3.** The photograph of saplings planted maintained by the project proponent is given in **Plate No.5**.

TABLE 3	<u>B Details of the saplings planted within t</u>	he project area

SI. No.	Scientific Name	Common Name	Family	Habitat
1.	Artocarpus heterophyllus	Plavu	Moraceae	Tree
2.	Capsicum frutescens	Kantharimulaku	Solanaceae	Herb
3.	Carica papaya	Papaya	a Caricaceae	
4.	Coccos nucifera	Thengu	Arecaceae	Tree
5.	Curcuma longa	Manjal	Zingiberaceae	Herb
6.	Mangifera indica Mavu Anacardiaceae		Tree	
7.	Musa paradisiaca	Vazha	Musaceae	Herb

8.	Swietenia mahagoni	Mahagony	Meliaceae	Tree
9.	Tectona grandis	Thekku	Verbenaceae	Tree
10.	Phyllanthus emblica	Nelli	Phyllanthaceae	Tree
11.	Azadirachta indica	Neem	Meliaceae	tree
12.	Ocimum tenuiflorum	Thulasi	Lamiaceae	Herb
13.	B.TabernaemontanaNandiyarvattomApocynaceaedivaricata		Herb	
14.	Cassia fistula	Goldenshower	Fabaceae	Tree

07At least 10 percent out of the total excavated pit area shouldNoted forbe retained as water storage areas and the remaining areacomplianceshould be reclaimed with stacked dumpings and overburdenand planted with indigenous plant species that are eco-friendly.

#### Compliance:

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

08 Corporate Social Responsibility (CSR) agreed upon by the Complied proponent should be implemented in tune with the conditions specified in the Companies Act, 2013

#### Compliance:

As part of inclusive growth of the community, the project proponent has executed various activities under Corporate Social Responsibility/ Corporate Environmental Responsibility (CER) of the firm with the consultation of Panchayath. The main activities were under the sectors of education. The project proponent is intending to carry out more activities under CSR/CER for inclusive growth in the community. The detail of CSR provided in the period of Second half is mentioned in

the **Table No.4**. The photograph of CSR activities is provided in **Plate No. 17**. The bill vouchers of CSR/CER are attached as **Annexure No. 13**.

Sectors	Beneficiaries	Amount spent in Rs.
Infrastructure Development	Public	8,21,400
Education	LED TV to Saleesh	10,085
	8,31,485	

Table No.4 – Detail of	performed activities	under CSR/CER

09	Barbed metal wire fencing around the mining area shall be	Complied
	provided with a height of not less than 5 ft so that the falling of	
	animals/human beings/dumping of garbages etc. does not	
	happen	

#### Compliance:

To demarcate the lease area, the project proponent has installed fencing with a height of 4 ft. around major part of the project site where Environmental Clearance and lease obtained. All the boundary indicators (boards, stores, markings etc) are being protected. The purchase bill of materials is given in **Annexure No.3.** The photograph of barbed metal wire fencing is provided in **Plate No.6**.

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

#### Compliance:

The project proponent has installed warning alarms (Siren) in the quarry site. This siren is blown before blasting and after blasting. The blasting timings are displayed in the prominent area by way of caution board. The timing of blasting in the quarry is in between 1.00 pm on all working days. The photograph of the warning alarm is provided at **Plate No. 7**.

### 11 Control measures on noise and vibration prescribed by KSPCB complied should be implemented.

#### 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.
- Noise level at quarry site checked periodically. The sound levels are monitored through a NABL accredited laboratory during the quarry and crusher is in operation and the monitored results are well within the permissible limits.

#### 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.
- Appointed qualified personals for the blasting operation

# 12Quarrying activities should be limited to day time as per KSPCBCompliedguidelines.

#### Compliance:

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

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

#### Compliance:

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

14	Α	licensed	person	should	supervise/control	the	blasting	Complied
	ор	erations.						

#### Compliance:

The project proponent has appointed a second class manager and mining mate to supervise/control the blasting operations for the exploitation of minor minerals from the project site. **Annexure No. 4** showing the certificate of Licensed Person.

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

#### Compliance:

To contain dust emissions and for the trouble free transportation of materials, the project has tarred the access road of 450 meter. The project splashes water on the road to arrest the dust production during summer season. The project proponent splashes water on the road to arrest the dust production during summer season. The photograph of tarred road is provided in **Plate No. 8**.

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

#### Compliance:

The overburden materials are stored within the site at designated place. This is being used to restore the exploited area in future. The photograph of OB is shown in **Plate No.9**.

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

#### Compliance:

All mining activities are progressing under the supervision of qualified personals. To enhance safety and to make environment friendly quarrying, the excavation activity in the project is progressing by creating benches of 5m width x 5m height. **Plate No.10** showing the work progressing in the quarry area.

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

#### Compliance:

The project proponent is using blasting mat to reduce fly rocks during 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 proponent also assure the maximum PPV is under 10.

19Mining depth should not exceed beyond 40 m, unlessNoted forotherwise specified or not below the level of the nearestcompliancestream bed, whichever is less.

#### Compliance:

The mining depth will not exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less. The project proponent has appointed mines manger for proper extraction of minerals as per mining plan.

20 No mining operations should be carried out at places having a complied

slope greater than 45°.

#### Compliance:

No mining operation is carried out with a slope greater than  $45^{\circ}$ .

21	Acoustic enclosures should be provided to reduce sound	complied
	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.	

#### Compliance:

To reduce the impact of sound to the labours in the unit, the project proponent has provided ear plugs. And there is a crusher unit functioning in the project site; the machines of crusher unit are housed with hollow bricks. The photograph of crusher is provided in **Plate No.11**. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. The project proponent is trying to enhance the vegetative cover by planting more tree saplings.

# 22The workers on the site should be provided with the requiredCompliedprotective equipments such as ear muffs, helmet, etc.

#### Compliance:

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, glows, etc. to ensure the safety of workers in working site. The photograph of the workers with PPE is given in the **Plate No. 12.** 

23	Garland drains with clarifiers to be provided in the lower slopes	Complied
	around the core area to channelize storm water.	

#### Compliance:

As part of effective management of storm water, the project proponent has constructed storm water drains in the lower slopes of the project area. The natural drain in the mining area helps to channelize the storm water to the pond created at mining area. The debris and sediments are being settled down in the bottom of the pond. The clarifiers will be installed soon. The photograph of drain is provided in **Plate No. 13**.

## 24The transportation of minerals should be done in covered trucksCompliedto contain dust emissions.

#### Compliance:

To avoid dust emission from the vehicle while transportation of materials the project proponent assure that the trucks are covered before leaving the project site. The photograph of the covered truck is provided as **Plate No.** 14.

### 25The proponent should plant trees at least 5 times of the lossCompliedthat has occurred while clearing the land for the project.

#### Compliance:

As part of concurrent eco restoration, the project proponent has planted various saplings in the project area as a compensation of loss of trees while 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**. The photograph of planted trees is given in **Plate No. 5**.

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

#### Compliance:

The project proponent is using the used oil as lubricant for machineries and other equipments. 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 Complied specified and approved by the explosives department.

#### Compliance:

As part of safety, Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine was fenced with barbed metal wire. The photograph of the magazine is provided in **Plate No .15**.

28 Norms of KSPCB should be adhered to regarding distance Complied criteria of residences, roads, rivers and worship places.

#### Compliance:

To keep a safe zone to the residents, community resource and public infrastructure, the norms of Kerala State Pollution Control Board regarding the distance criteria of houses, roads, rivers and worship places is adhered by the project. There is 103 meter distance to the nearest house from the boundary of mining area.

# 29200 m buffer distance should be maintained from forestNotedboundaries.

#### Compliance:

There is no forest area in the 200 meter vicinity to the project site.

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

#### Compliance:

The Project proponent has obtained "*Consent to Operate*" (Renewal) from Kerala State Pollution Control Board. The copy of consent is provided in **Annexure 7**.

31 All other statutory clearances should have been obtained, as Complied applicable, by project proponents from the respective

competent authorities including that for blasting and storage of explosives.

#### Compliance:

All statutory clearances, approvals, licenses are obtained from concerned authorities. All conditions stipulated in such approvals are strictly followed. The obtained approvals are mentioned in **Table No.5**. The certificates obtained from concerned statutory authorities are enclosed in **Annexure No. 6, 7, 8, 9 & 10**.

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

#### TABLE 5 – APPROVALS FROM COMPETENT AUTHORITIES

32In the case of any change(s) in the scope of the project, the<br/>project would require a fresh appraisal by this Authority.Noted<br/>compliance

#### Compliance:

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

33	The Authority reserves the right to add additional safe guard	Noted for
	measures subsequently, if found necessary, and to take	compliance
	action including revoking of the environment clearance under	
	the provisions of the Environmental (Protection) Act 1986, to	
	ensure effective implementation of the suggested safeguard	

#### measures in a time bound and satisfactory manner.

#### Compliance:

To enhance environmental sustainability and conserve natural resources, the project proponent is willing to add all possible additional safe guard measures subsequently if the authority found necessary.

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

#### Compliance:

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

- > Kerala Minor Mineral Concession Rules, 2015
- > Mines Act, 1952
- ► Explosive Rules, 2008
- ➤ Kerala Panchayat Raj Act, 1994
- > Water Pollution (Prevention & Control) Act, 1974
- > Air Pollution (Prevention & Control) Act, 1981
- > Environment Protection Act, 1986
- > EIA Notification, 2006 / 2009
- > The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

35 The project proponent should advertise in at least two local Complied news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. <u>The advertisement</u> <u>should be made within 10 days from the date of receipt of the</u> <u>Clearance letter and the copy of the same signed in all pages</u> <u>should be forwarded to the office of this authority as</u> <u>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.11**.

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

#### Compliance:

As per the condition stipulated in the Environmental Clearance order, a copy of the environmental clearance letter was submitted to Grama Panchayat office. There were no suggestions/representations received while processing the proposal.

37The proponent shall submit six monthly reports on the status of<br/>compliance of the stipulated EC conditions including results of<br/>monitored data (both in hand copies as well as by e-mail) and<br/>upload the status of compliance of the stipulated EC conditions<br/>including results of monitored data on their website and shallComplied

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.

#### 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 as email. The result of monitoring data is attached as **Annexure No. 12.** The compliance report and EC order is uploaded in the website.

38	The details of Environmental Clearance should be prominently	Complied
	displayed in a metallic board of 3 ft x 3ft with green background	
	and yellow letters of Times New Roman font of size of not less	
	than 40.	

#### Compliance:

The detail of the Environmental Clearance has display on metallic board in the project site. The metallic board installed as specified in the conditions of Environmental Clearance order. Same is attached as **Plate No.16.** 

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

#### Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala. The copy of the same is attached at **Annexure No. 5**.

# PLATES

(Photographs of the project)

Plate No. 1



Rain Water Harvesting Pond

Plate No. 2



Avenue trees planted along the road side

Plate No. 3



Solar light in the project site



Sprinkler installed in project site

Plate No 4





Sapling planted

Plate No. 6



Barbed metal wire fencing in the project site

#### Plate No. 7



Warning alarm installed in the project site

Plate No. 8



Tarred access road to the quarry site





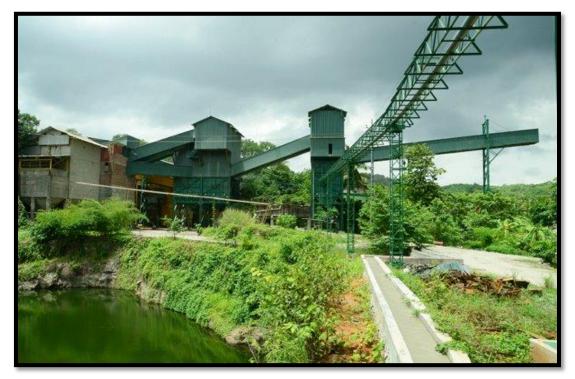
Overburden stacked in the project site.

Plate No. 10



Photograph of benches created in the quarry site

#### Plate No 11



Crusher working in the project site

Plate No. 12



Labours with PPE

#### Plate No 13



Drainage

Plate No. 14



A covered truck; before leaving from the project site

#### Plate No. 15



Magazines at isolated place in the project site

Plate No. 16



The metallic board displayed the details of EC order

Plate No. 17



**CSR/CER** Activities

# ANNEXURE

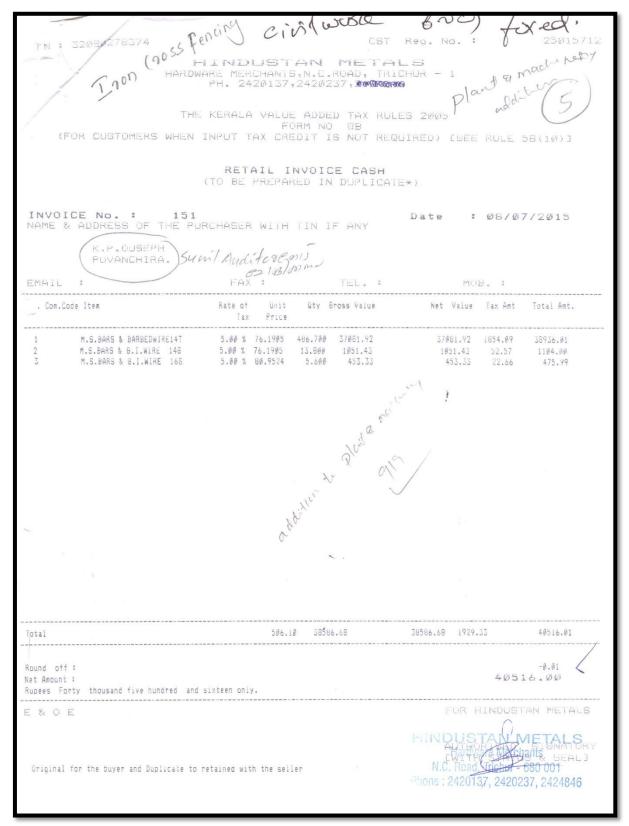
(Documents of the project)

[	K. K. SA	SIDHARAN BILL	Р	h : 9961525522 0487-2282992	1		
	4862 EKKU GARDENS PATTIKKAD P. O., THRISSUR. (Reg. No. A3-167/09)						
	No.	PATTIKKAD P. C., MIKISOOK.		15-09-2)			
	and the second se	ST. BASIL G.					
	QUANTITY	PARTICULARS	RATE	AMOUNT Rs. Ps			
	15	୭୷ୠ	25	375			
	20	dimodorm	25	500			
	20	a2110 0026	15	300			
	15	COIN .	10	150			
	20	CAROCENZ	15	300	-		
	15	2163/2000	15	225			
	1			1			
	-	· · · · ·					
				•			
No. No.	1000						
				-			
		Thank You !	Total	1850 /-			
L				Signature			

## The bill of saplings purchased for eco - restoration

	22/314-B,PL	JTHUR	CI KERAL (For Vat De	CHAY/ PHON TI CS N : U40 A VALL	ATH, I IE: 0 N 320 T 320 D 300K JE ADI FORM Manut	<b>PRIVATE L</b> <b>CUTTANELLUR</b> <b>487 3101718</b> 80718193 30718193C .2014PTC037446 DED TAX RULES 20 A NO.8 actures ) See Rul [CASH/CREDIT]	, <b>THRIS</b>	SUR,KERALA -	580014	
то	ST.BASIL GRANITES Poovachira P.O Thrissur-680652 TIN-32080533862 Mobile - 8943446679/9947248 mail@stbasilgranites.com	929				INV. No. Date P.O NO. P.O DATE INDENT NO.		102/320284/16-17 14-02-2017 17-01-2017 KL-SR-JVN/129/16		
SI.		Rate of		Total			Cash Disco	Net Taxable		
	Commodity	Тах	Unit Price	Qty	Unit	Gross Value	unt	Value	Tax Amount	Grand Total
1	Supply of 12W Solar Street Light	1%	20,176.00	2	Each	40,352.00	-	40,352.00	403.52	40,755.52
	Round Off				-			40,352.00	403.52	0.48
	TOTAL							40,002.00	100.01	
Grai	nd Total In Words (Rupees Fourty Th	nousand	l Seven Hundred a	and Fift	y Six (	Dnly)		)		
Pay Dec	rment Terms - RTGS Immediately a claration (To be furnished by	after del the se	ivery of material Iler)	at site				uv - 15 A3	d Asset	forent.
Pay Dec Cer the made	ment Terms - RTGS Immediately a	after del the se in the a e inacc that m	ivery of material Iler) bove invoices ar odance with the ny/our registration	e true a provis n unde	and co	rrect in all respeci	's and th 003 and	e goods on the rules	1 1552 t	Joeen the
Pay Dec Cer the mac Sus	ment Terms - RTGS Immediately a claration (To be furnished by tified that all the purticulars shown tax charged and collected an de there under. It is also certified	after del the se in the a e inacc that m	ivery of material Iler) bove invoices ar odance with the ny/our registration	e true a provis n unde	and co	rrect in all respeci	s and th 003 and subject	e goods on the rules to any A	0102 J	to eet t

# Bill of solar street light purchased



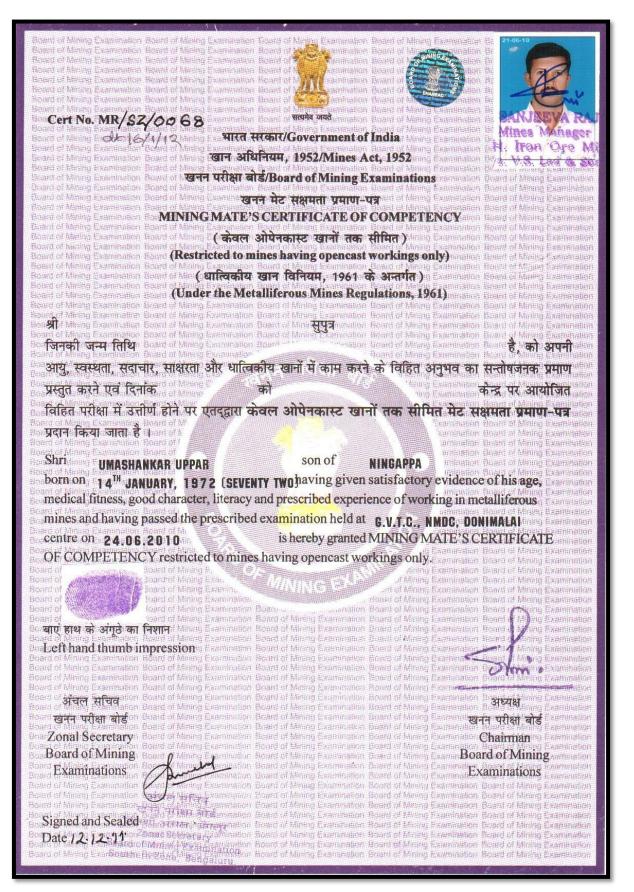
Bill of barbed metal wire Fencing



Certificate of Second Class manager

HINE MANA Cert No. MR/SZ/0029 भारत सरकार/Government of India खान अधिनियम, 1952/Mines Act, 1952, RETUR NED FOR खनन परीक्षा बोर्ड/Board of Mining Examinations LATION AS SOON A CANC खनन मेट सक्षमता प्रमाण-पत्र ORIGINAL IS TRACED OUT " MINING MATE'S CERTIFICATE OF COMPETENC (केवल ओपेनकास्ट खानों तक सीमित) (Restricted to mines having opencast workings only) (धात्विकीय खान विनियम, 1961 के अन्तर्गत) (Under the Metalliferous Mines Regulations, 1961) श्री जिनकी जन्म तिथि है, को अपनी आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण केन्द्र पर आयोजित प्रस्तुत करने एवं दिनांक की विहित परीक्षा में उत्तीर्ण होने पर एतद्द्वारा केवल ओपेनकास्ट खानों तक सीमित मेट सक्षमता प्रमाण-पत्र प्रदान किया जाता है। Shri son of / KURBAR BHEEMAPPA **K. THIPPESWAMY** having given satisfactory evidence of his age, born on medical fitness, good character, literacy and prescribed experience of working in metalliferous mines and having passed the prescribed examination held at is herby granted MINING MATES CERTIFICATE OF centre on 22.06.2010 COMPETENCY restricted to mines having opencast workings only. का निशान बा Left hang numb impression अंचल सचिव अध्यक्ष अंचल सचिव खनन परीक्षा बोर्ड खनन परीक्षा बोर्ड खनन परीक्षा बोर्ड दक्षिणी अंचल, वेंगलूर Zonal Secretary Board of Mining Examination Southern Zone, Bengalury Zonal-Secretary Chairman Board of Mining Board of Mining Examinations Examinations Signed and Sealed Date 11/1/12

## Certificate of Mining Mate



Certificate of Mining Mate

14 **TTS** 2100 201 क सो रुपय s. 100 AIDN BATE INDIA NON JUDICIAL Ccoolo केरल KERALA AF 739202 I. K.P. Ouseph, Authorized signatory of M/s St. Basil Granites having its correspondence office at Poovanchira P.O., Thrissur District 680652 do hereby That, M/s St. Basil Granites propose to develop a Quarry Project at Survey Nos 332/4, 340/5 340/4pt 331/4 331/6p. 340/3 340/3p. 340/4p Pananchery Village, Pananchery Penchayat, Thrissur Taluk, Thrissur District 3. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed. OUSEPH DEPONENT Verification : Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein. Place : 4.02.2014 terry by deponent. Date Manonuthy at Man Now 102/2011 TAR O C. Madhawan Advocate & Notary, Thrissu C. MADHAVAN THRISSUR REVENUE 2014 OF

Affidavit

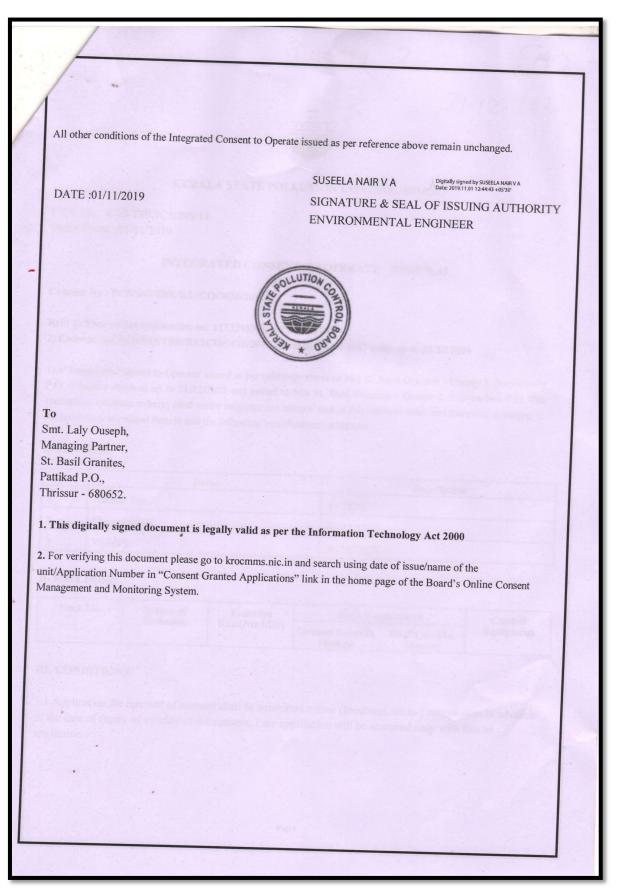
		्रात्यमेव जयते	<u>Valídíty ex</u>	pires on 17.12.202
Pro	ceedings of the State D Present : Prof. (Dr.) K.P. Jo			
Sub:	SEIAA Kerala – Quarry pr 340/3p and 340/4p at Pana District, Kerala by M/s St. 2006 accorded – Orders issu	anchery Village, Par Basil Granites – En	anchery Panchayath,	, Thrissur Taluk, Thriss
		Environmental (	Clearance	
No. 61	/SEIAA/KL/7682/2012			ananthapuram 02-01-201
	Read:- SEIAA Kerala Minu			
		ORDER		
project Village hectare	ed on 04-01-2013, has sought in Survey Nos. 332/4, 340/ e, Pananchery Panchayath, es. The proposed quarry site	5, 340/4pt, 331/4, 33 Thrissur Taluk, Thr is a private land and	1/6p, 340/3, 340/3p issur District, Keral d the land is possesse	and 340/4p at Panancher la for an area of 4.898 ed in the name of M/s S
project Village hectare Basil ( under ( within propos	in Survey Nos. 332/4, 340/ e, Pananchery Panchayath,	5, 340/4pt, 331/4, 33 Thrissur Taluk, Thr is a private land and involved in the proje of Schedule of EIA 1 29.6596" N and 76° of 2,94,000 TPA of	81/6p, 340/3, 340/3p rissur District, Keral d the land is possesse ect. It is interalia, not Notification 2006The 21'40.2541" E and building granite ston	and 340/4p at Panancher la for an area of 4.898 ed in the name of M/s S ted that the project com- proposed project site fal 76°21'47.2566'' E. Th
project Village hectare Basil C under C within propos hectare constitu EIA N meetin basis o mining furnish	in Survey Nos. 332/4, 340/ e, Pananchery Panchayath, es. The proposed quarry site Granites. Forest land is not Category B, Activity 1(a), (i) 10°34'14.55" N to 10°34'2 ed project is for quarrying of es of land. The expected life of The proposal has been app uted by the competent author otification 2006 and subseque g held on 9 <sup>th</sup> and 10 <sup>th</sup> Septem of the supporting documents projects, pre-feasibility repo- ed in response to the observ	5, 340/4pt, 331/4, 33 Thrissur Taluk, Thr is a private land and involved in the proje of Schedule of EIA 1 29.6596" N and 76° of 2,94,000 TPA of of mine will be 13 ye praised by the State city, as per prescribed tent amendments, in aber 2013 and 21 <sup>st</sup> m enclosed with the ap ort, Environment Mat	<ul> <li>a1/6p, 340/3, 340/3p</li> <li>assur District, Keral</li> <li>d the land is possesse</li> <li>ect. It is interalia, not</li> <li>Notification 2006The</li> <li>and building granite ston</li> <li>ars.</li> <li>ars.</li> <li>be Level Expert App</li> <li>procedure in the lightist 11<sup>th</sup> meeting held</li> <li>areting held on 4<sup>th</sup> No</li> <li>oplication viz., the For</li> <li>angement Plan and th</li> </ul>	and 340/4p at Panancher la for an area of 4.898 ed in the name of M/s S ted that the project come proposed project site fal $76^{\circ}21'47.2566''$ E. The from an area of 4.898 praisal Committee Kera hts of provisions under th on 9 <sup>th</sup> January 2013, 19 wember 2013 AND on th form – 1, questionnaire for he additional clarification
project Village hectare Basil C under C within propos hectare Constitu EIA N meeting basis o mining furnish the pro	in Survey Nos. 332/4, 340/ e, Pananchery Panchayath, es. The proposed quarry site Granites. Forest land is not Category B, Activity 1(a), (i) 10°34'14.55" N to 10°34'2 ed project is for quarrying of es of land. The expected life of The proposal has been app uted by the competent author otification 2006 and subseque g held on 9 <sup>th</sup> and 10 <sup>th</sup> Septem of the supporting documents projects, pre-feasibility repo- ed in response to the observ	5, 340/4pt, 331/4, 33 Thrissur Taluk, Thr is a private land and involved in the proje of Schedule of EIA 1 29.6596" N and 76° of 2,94,000 TPA of of mine will be 13 ye praised by the State rity, as per prescribed and amendments, in aber 2013 and 21 <sup>st</sup> m enclosed with the ap ort, Environment Mar ations, the SEAC Ke involves about 100 ° he reclaimed area will be utilized as water ctivities. The mining	<ul> <li>a1/6p, 340/3, 340/3p</li> <li>aissur District, Keral</li> <li>d the land is possesse</li> <li>act. It is interalia, noi</li> <li>Notification 2006The</li> <li>21'40.2541" E and</li> <li>building granite ston</li> <li>ars.</li> <li>ars.</li> <li>act Level Expert App</li> <li>procedure in the lightist 11<sup>th</sup> meeting held</li> <li>acting held on 4<sup>th</sup> No</li> <li>opplication viz., the For</li> <li>nagement Plan and the</li> <li>arala recommended e</li> <li>% of the pit area for a</li> <li>be suitably planted</li> <li>storage area. The p</li> <li>g will be done by op</li> </ul>	and 340/4p at Panancher la for an area of 4.898 ed in the name of M/s S ted that the project come proposed project site fal 76°21'47.2566'' E. The from an area of 4.898 praisal Committee Kera hts of provisions under the on 9 <sup>th</sup> January 2013, 19 wember 2013 AND on the form – 1, questionnaire for the additional clarification invironmental clearance to exploring granite building and the remaining void a proposed project does no pen cast semi mechanize

			W.	$\widetilde{\mathcal{V}}$				
		KERALA	STATE POLLUT	TION CONTROL	BOARD	•		
TLE NO.	PCB/TS	R/ICO/R15TRI7	85565/2020					
	sue :13/08							
		INTEGRA	TED CONSENT	TO OPERATE - R	ENEWAL			
		0 000 00 01440	(2020	6 . 51				
Consent N	to : PCB/D	00/TSR/R5/442A	12020					
Ref : 1) Y	our online	application no. 1	13397763 dated 20.0	6.2020	to 30/09/2020			
2) Consen	t No. PCB	/DO/TSR/R4/442	2A/2018 issued on (	07/02/2018 valid up	10 30/09/2020			
The ' Inter	rated Cons	ent to Operate' iss	sued as per reference	above to M/s St. Ba	sil Granites - Quarry	1, Poovanchira		
DO The	sour is hara	by renewed up to	30/09/2025 and issu	ed to M/s St. Basil G	ranites - Quarry 1, 1	oovanchina r.c		
Thrissur 7	The consent	t(s)/ variation orde	er(s) cited under refe	rence are integral pa	rt of this renewal of	der and this old		
is subject	to the cond	itions stipulated ti	herein and the follow	ving modifications/ a	aantonot			
I. GENE	RAL					1		
S.No.		Iter	ns		Description			
1	Annual	fee	a state the second	Rs 5800/-				
2	Fee rem	itted		Rs 33,025/-				
II. Stack	Details							
Stac	k No.	Source of	Emission	Stack Hei	New York Contraction of the Cont	Control Equipment		
		Emission	Rate(Nm3/Hr)	Ground Level(In Meters)	Roof Level(In Meters)	Equipment		
			2	100				
III. CON	DITION	S						
		a 1 C	second shall be su	bmitted online (kro	cmms nic.in) two	months in		
3.1 The	application	n for renewal of	lidity of consent. L	ate application wil	l be accepted only	with fine as		
applicab		e of expiry of va	indity of concerning					
					Learness from at	har concerned		
			for a period when	all other statutory	clearances from ou	ner concerned		
departm	ents are va	alid.						

All other conditions of the Integrated Co	onsent to Operate issued as per reference above remain unchanged.
	SUSEELA NAIR V A Digitally signed by SUSEELA NAIR V A
DATE :13/08/2020	SUSEELA NAIR V A Date: 2020/08/13 15:31:19 +05:30' SIGNATURE & SEAL OF ISSUING AUTHORITY
DATE .15/06/2020	ENVIRONMENTAL ENGINEER
	Store Contraction Contraction
	1334 × 080
Го	
Smt. Laly Ouseph,	
Managing Partner,	
St. Basil Granites,	
Pattikad P.O.,	
Chrissur - 680652.	
. This digitally signed document is lega	ally valid as per the Information Technology Act 2000
. For verifying this document please go to	o krocmms.nic.in and search using date of issue/name of the
nit/Application Number in "Consent Gra	nted Applications" link in the home page of the Board's Online Consent
Ianagement and Monitoring System.	
	Page2

**Consent from PCB** 

1		4	narry a	7	(17)	
	**		_	31.1	2.2023	
					and the	
	KERA	LA STATE POLLU	UTION CONTRO	L BOARD		
	:PCB/TSR/IC/5240/1 ue :01/11/2019	4			GALTHORITY	
	INTEG	RATED CONSENT	TO OPERATE -	RENEWAL		
Consent No	o : PCB/DO/TSR/R2/I	CO/3636/2017				
	ur online application n No. PCB/DO/TSR/R1			l up to 31.12.2019		
P.O. is hereb consent(s)/ v	ated Consent to Operate by renewed up to 31/1 variation order(s) cited of ns stipulated therein and AL	2/2023 and issued to M under reference are inte	M/s St. Basil Granite egral part of this rene	s - Quarry 2, Poova	inchira P.O. The	
S.No.	J	tems		Description		
1 /	Annual Fee		Rs 2800/-			
	Fee remitted		Rs 12,132/-			
3 1	Validity		31/12/2023	ent bane name inte		
II. Stack Do	etails				nline Constat	
		Emission	Stack Heig	Stack Height above		
Emission Data(Nm2/IIm)		Rate(Nm3/Hr)	Ground Level(In	Roof Level(In Meters)	Control Equipment	
Stack N			Meters)	wieters)		



**Consent from PCB** 

1	
1	31.03.2025 (9)
1	
1	
1	अनुज्ञाप्ते प्ररुप एल, ई3   LICENCE FORM LE-3
	(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग। के अनुच्छेद 3(क) से (घ) देखिए।)
	(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008) (ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के
	लिए अनुवादित
	Licence to possess : (c) for use, explosives of class 1, 2,3,4,5,6 or 7 in a magazine
	अनुज्ञाप्ति सं. (Licence No.) : E/SC/KL/22/136(E11283) वार्षिक फीस रुपए (Annual Fee Rs): 2400/-
	1 march
	1. Licence is hereby granted to
	SRI. K.P.ELIAS (dff14)ff1 / Occupier : K P ELIAS), Kavanakudiyil,Poovanchira-Post,, Town/Village - Poovanchira, District-THRISSUR, State-Kerala, Pincode - 680652
	को अनुज्ञप्ति अनुदत्त की जाती है। 2. अनुज्ञप्तिधारी की प्रास्थिति   Status of licensee : Individual
	3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है। possess for use of Nitrate Mixture, Safety Fuse,
	अनुशाय निर्मालाखत प्रयोजना के लिए विषयमान्य है। Licence is valid only for the following purpose. Electric Detonators, Ordinary Detonator, - के उपयोग के लिए
-	4. अनुज़प्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।
	Licence is valid for the following kinds and quantity of explosives: $(\overline{\Phi})$ (a)
THE P	क्र नाम और विवरण वर्ग और प्रभाग उप-प्रभाग मात्रा किसी एक समय में Sr. No. Name and Description Class & Division Sub-division Quantity at any one time
	1. Nitrate Mixture 2,0 0 150 Kg.
	2. Safety Fuse 6,1 0 2000 Mtrs
	3.         Electric Detonators         6,3         0         3000 Nos.           4.         Ordinary Detonator         6,3         0         2000 Nos.
1	(ख) किसी एक कलैंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3(ख) और (ग) के अधीन
	अनुज्ञाप्ति के लिए। 20 times (b) Quantity of explosives to be purchased in a calendar month[applicable for licence under as above.
	article 3(b) and (c)]:
	5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/136
	(E11283)
12.00	drawing(s):
(	े अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
	Survey No(s). 313/6/1, ग्राम (Town/Village) : Panancherry ,Thright धीम (Police Station) : MANOOTHY जिला (District) THRISSUR राज्य (State) Kerala पिनकोड (Pincode)
	दूरभाष (Phone) ई. मेल (E-Mail) फैक्स (Fax)
7	अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं। A AND A TYPE PORTABLE MAGAZINE and E (753)
No.	The licensed premises consist of following facilities.
8	. अनुज्ञप्ति समय – समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम.
	2004 के उपबंधो, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबध्दों के अधीन रहते हुए अनुदत्त की जाती है।
No.	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.
	<ol> <li>उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए।</li> </ol>
	Drawings (showing site, constructional and other details) as stated in serial No. 5 above. 2. अनुज्ञाप्ति प्राधिकारी व्दाररा हस्ता.क्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्ति शर्तें।
	<ol> <li>अनुज्ञाप्त प्राधिकारी व्याररा हस्ता.क्षरित इस अनुज्ञाप्त की श्रात आर अतिरिक्ति शर्त। Conditions and Additional Conditions of this licence signed by the licensing authority.</li> </ol>
	3. दूरी प्ररूप DE-2   Distance Form DE-2.
9.	यह अनुज्ञप्ति तारीख 31 मार्च 2006 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March
***	2006.
1	
-	
_	

			And the second se
			1
विवरण के अनुरूप नहीं This licence is liable t conditions of this lice	का शता का आधक्रमण कर- ें पाए जाने पर निलंबित या प्र to be suspended or revoked nice as set forth under Set N	नेयमों या अनुसूची V के भाग 4 के प्रति नि ने या यदि अनुज्ञप्त परिसर योजना या उस तिसंहत की जा सकती है, जहां वह लागू ह I for any violation of the Act or Rules /III, wherever applicable, referred to ug to the description shown in the plar	से संलग्न उपबंध में दर्शित ते। framed there under or the in Part 4 of Schedule V or
			Sd/-
तारीख   The Date - 22	2/04/1998	संयुक्त मुख्य विस्फोटक नियंत्रक ।	Joint Chief Controller of Explosives South Circle, Chennai
Amendments :			
Amendment in Drawi	ings/Facilities/Premises da ity of Explosives/Monthly ity of Explosives/Monthly नवीनीकरण	Purchase Limit dated : 05/12/2012 Purchase Limit dated : 15/05/2014 कि पृष्ठांकन के लिए स्थान	11 .
	Space for E	Endorsement of Renewal	
नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हर Signature of licensing aut	ताक्षर और स्टाम्प hority and stamp
27/04/2020	31/03/2025	Dy. Chief Controller of Exp	losives, Ernakulam
And the second	A CONTRACTOR OF A CONTRACTOR O	Deputy Criter Controli Deputy Criter Controli Indepensi Ermakulain	St. W. Malantana
		ताने या उनका दुरूपयोग विधि के अ होगा।	
		ताने या उनका दुरूपयोग विधि के अ होगा। of explosives shall constitute serior the law.	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
		हागा। of explosives shall constitute seriou	
	Aishandling and misuse	हागा। of explosives shall constitute seriou	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under
	Aishandling and misuse	होगा। of explosives shall constitute serior the law.	ıs criminal offence under

License to possess and use of explosives

1	$(\mathbf{D})$
	PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY
S	Sub : Mines and Minerals-Minor Minerals-Granite Building Stone – Renewal of Quarrying lease to <b>M/s. St.Basil Granites, Poovanchira P.O, Thrissur-680652</b> sanction- orders issued.
R	ef : 1. Application dated 26.6.2014 from M/s. St.Basil Granites, Poovanchira P.O, Thrissur-680652
	<ol> <li>Letters No. 1866/C2/TDO/14 from the Geologist, District Office, Thrissur Dated 16.7.14,31.7.14 &amp; 27.8.14</li> </ol>
	3. Kerala Minor Mineral Concession Rules, 1967
	<ol> <li>Order No.61/SEIAA/KL/7682/2012 dt. 2.1.2014 of Member Secretary, SEIAA &amp; Additional Chief Secretary to Government Environment, Forest &amp; Wild Life</li> </ol>
	Departments 5. Order No. 634/04-05/8348/M3/04 dtd. 4.1.2005 of the DMG
No. 41	3/2014-2015/8670/M3/2014 Dated, Tvpm. 26.09.2013
	ORDER
	The quarrying lease grated vide reference 5 <sup>th</sup> cited is renewed for a further period of 10
vears	from 10.1.2015 to quarry Granite Building Stone over an area of 2.4172 hectares of
Private	and comprised in Sv Noc 222/4 240/474 240/5 ( 2
Thrico	a land comprised in Sy.Nos.332/4, 340/4pt, 340/5 of Panachery Village, Thrissur Taluk,
inniss	ur District under the Kerala Minor Mineral Concession Rules, 1967 and as per the Survey
map is	sued by the Tahsildar, Thrissur and submitted by the applicant subject to the under
mentio	ned conditions.
1.	
1. C.	Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Minor Minoral
	Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Minor Mineral Concession Rules 1967 in respect of minor minoral guerried and more the first sectors of minoral guerried and more the first sectors of minor minoral guerried and more the first sectors of more the first sect
	Concession Rules, 1967 in respect of minor mineral quarried and moved out of the quarry
	Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Minor Mineral Concession Rules, 1967 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.
	Concession Rules, 1967 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.
2.	Concession Rules, 1967 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
2.	Concession Rules, 1967 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 29(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.
2.	Concession Rules, 1967 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 29(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 29(1)(e) of the said rules will be equal to the land revenue
2.	Concession Rules, 1967 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 29(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 29(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
2.	Concession Rules, 1967 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 29(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 29(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.
2. 3.	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months
2. 3. 4.	Concession Rules, 1967 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 29(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 29(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.
2. 3. 4.	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed.
2. 3. 1 4. 1 5. T	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed.
2. 3. 4. 5. F	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed. The lessee extracted & removed 289920M <sup>3</sup> of Granite Building Stone as on 16.7.14 as per <sup>5</sup> orm 2 and Lr.No. 1866/C2/TDO/2014 dt. 31.7.2014 of the Geologist. District Office
2. 3. 1 4. 1 5. T	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed. The lessee extracted & removed 289920M <sup>3</sup> of Granite Building Stone as on 16.7.14 as per Form 2 and Lr.No. 1866/C2/TDO/2014 dt. 31.7.2014 of the Geologist, District Office, Thrissur. If the quantity measured in the quarry after the expiry of the original grant of lease
2. 3. 4. 5. T	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed. The lessee extracted & removed 289920M <sup>3</sup> of Granite Building Stone as on 16.7.14 as per <sup>5</sup> orm 2 and Lr.No. 1866/C2/TDO/2014 dt. 31.7.2014 of the Geologist. District Office
2. 3. 1 4. 1 5. T	Concession Rules, 1967 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 29(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 29(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 on or after 10.1.2015 but within 3 months from 10.1.2015, as the period for which quarrying lease is renewed shall be the date on which the deed is executed. The lessee extracted & removed 289920M <sup>3</sup> of Granite Building Stone as on 16.7.14 as per Form 2 and Lr.No. 1866/C2/TDO/2014 dt. 31.7.2014 of the Geologist, District Office, Thrissur. If the quantity measured in the quarry after the expiry of the original grant of lease

Lease order form Director of Mining and Geology

		D	1000			
പാണത്തേ				190000		
പ്ട്രിക്കാട് പ Phone- +91 487 2282051, 2282057	വ ഓ ; തൃശ്രൂ ബംല് മ					
ഫയൽ നമ്പർA4 എ4-1786	eman- pa		napanchayat@gr	2020 - 2/ 170 / 2019-20		
1994 ലെ കേരള പഞ്ചായത്ത് ര അനുബന്ധ ചട്ടങ്ങളും പ്ര വ്യാപാരങ്ങൾക്കും, സംരംഭക	കാരമാള്ള വ്യ	4ലെ13) 232 പ്രസായങ ദൾക്കാം, മ	ദൾക്കാറഹാ	PRAD ကျာို ျနားရိုးနှစ်ခြားTAI နာကိုအဖိုးရာသ		
	ലാലി ഒസേ	ഫ്				
ലൈസൻസ് ഉടമസ്ഥന്റെ പേരും മേൽവിലാസവും	മാനേജിങ്ങ്	പാര്ട്ലർ,				
ເຜເດຍເກເຫວິດ	സെന്റ്ബേന	<b>സിൽ</b> ഗ്രാെ	നെറ്റ്			
	പൂവ്വൻചിറ(പ	പി.ഒ)				
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ക്വാറി നടത	തുന്നതിന്				
വാർഡ് നമ്പരും കെട്ടിടത്തിന്റെ നമ്പരും		6		303		
സ്ഥാപനത്തിന്റെ പേര്,സ്ഥല നാമം	സെന്റ് േ ഗ്രാഖ	ബസിൽ നെറ്റ്		പൂവ്വൻചിറ		
ലൈസൻസിന്റെ കാലാവധി	01/04/2020	മുതൽ	31/03/2023	പരെ		
ലൈസൻസ് ഫീസ്	12000					
	119060110655 തിയ്യതി <sup>25/02/2020</sup>					
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ	സാനിറ്ററി സർട്ടിഫിക്കറ്റ് നമ്പര്C4- 406/19 dated 26/04/2019 issued by PHC Vellanikkara Valid upto 26/04/2020, PCB – NO.PCB/TSR/IC/5240/14 valid upto 31/12/2023					
ന്രമ്പര്, തിയ്യതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാനം 	മേൽ സർട്ടി കഴിയുന്നമും	ഫിക്കറ്റുക റക്ക് ലൈ(	ളുടെ കാലാന സൻസ് റദ്ദാന നിന്നു	വധി ചുന്നതാണ്		
ഓഫീസ് മുദ്ര	1		moh K			
nted on22/04/202001:15 PM	സെക്ര	2501, AU	and the second se	<mark>മ പഞ്ചായത്ത്</mark> or\Desktop\licence 20-21 N		

License from Gram Panchayat



Advertisement in two News paper regarding issue of EC order



upte 26/06/2022 6 month



#### **TEST REPORT**

	ULR No: TC5402	21000007049F		
LRI No:SEAAL2112073	6A	Date: 27-12-2021	Page 1 of 1	
	CUSTOMER	DETAILS		
Customer Name & Address	M/s St. Basil Granites- Qu Poovanchira P O Thrissur District	arry		
Customer Reference	Test Request dt :20-12-20	21		
The state of the second	SAMPLE I	DETAILS	Section and provide the	
Product Category	Atmospheric Pollution	Sample Code	EN21120219	
Sample Name	Ambient Air	Sample Received on	21-12-2021	
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-12-2021	
Sampled by	Lab Authorized Sampler	Test Completed on	23-12-2021	
No. No. of Concession, Name	DETAILS OF	SAMPLING		
Sampling Location	Project Site South Side boundary	Date of Sampling	20-12-2021	
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	67%	
	SAMPLING SI	TE DETAILS		
Re -Survey No	332/4,332/5,340/4pt,331/4	,331/6p,340/3,340/3p,340	0/4p ·	
Village	Pananchery	Taluk	Thrissur	
District	Thrissur	State .	Kerala	

TEST RESULTS - CHEMICAL								
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards			
1	Particulate Matter, PM10	IS 5182 (Part 23):2006	µg/m <sup>3</sup>	50.1	Max 100			
2	Particulate Matter, PM <sub>2.5</sub>	EPA 40 CFR (Part 50) Appendix – L	µg/m <sup>3</sup>	23.7	Max 60			
3	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001 RA 2017	µg/m <sup>3</sup>	< 2.00	Max 80			
4	Oxides of Nitrogen as NO <sub>2</sub>	IS 5182 (Part 6): 2006 RA 2017	µg/m <sup>3</sup>	< 2.00	Max 80			

Remarks:

Rija loseph Technical Manager Checked by:



Laiju P.N. Laboratory Head Authorized Signatory

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

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

Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC - 5402 & "A" Grade Laboratory approved by KSPCB. K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43 Web: www.sealabs.in, E-mail: seaalab@gmail.com

Result of Air



26/06/2022 6 minth



#### **TEST REPORT**

				ULR No: TC54	0221000007050F				
LRI No: SEAAL21120737A				Date: 27-12-20	021		Page 1 of 1		
			1	CUSTOM	ER DETAILS	- AND	Male		
Customer Name & M/s St. Basil Granites-				Quarry					
Addre	SS		Poovanc	hira P O					
			Thrissu	rissur District					
Custo	mer Refe	erence	Test Re	quest dt 20-12-	2021				
11001	5119	A STREET	10000	DETAILS O	F MONITORING	1123	a ci	C. C. Starting and	
Produ	ct Catego	ry	Atmospheric Pollution Sample Code		Sample Code	EN21120220		1120220	
	e Name		Ambient	Noise	Monitoring Commenced on		20-1	2-2021/06:00	
	oring Loca	ation	Project South s	Site ide Boundary	Monitoring Completed on 2		21-1	21-12-2021 / 06:00	
Test M	lethod		IS 9989	:1981 RA:2008	Monitored by	Lab Authoriz		Authorized Sampler	
		Sec.		MONITORIN	G SITE DETAILS			Hard Contraction	
Re -Su	rvey No		332/4,3	32/5,340/4pt,3	31/4,331/6p,340/3,3	40/3p, 34	10/4p		
Villag	e	and the second second	Panancl	nery	Taluk		Thrissur		
Distri	ct		Thrissu	r	State Ker		Keral	rala	
1010	SNUM	STANDARD C		MONITORIN	G RESULTS - Leq	(autor)	(1) and	CONTRACTOR STATES	
Т	IME	RESULTS	dB(A)	TIME	RESULTS dB(A)	TII	ME	RESULTS dB(A	
0	6:00	36.1		14:00	48.4	22:	:00	35.0	
0	7:00	38.7	6.	15:00	48.7	23:	:00	33.1	
0	8:00	42.8	6	16:00	49.8	24:	:00	35.5	
0	9:00	46.1		17:00	50.2	01:00		36.1	
1	0:00	48.4		18:00	45.0	02:00		35.8	
11:00 51.3			19:00	41.7	03:00		36.5		
12:00 48.7		48.7	e	20:00	37.9	04:00		35.5	
1	3:00	48.0	P	21:00	37.5	05:00		37.2	
154	A. C. C.	「白白ム」目		TEST RESU	LTS - CHEMICAL	1997	1.4	I Desperator and	
Sl. No.			PAR	AMETERS	Sand States	UNIT		RESULT	
1	Ambien	nt Sound Level (Leq) Day Time (06:00 to :		22:00)	dB(A)	46.8			
2 Ambient Sound Level (Leq) Night Time (23:00 to			o 05:00)	dB(A)		35.8			
Remar	a	Joseph		***End	of Report***		C	Laiju P. N.	
Т	Rija echnica Checke	Joseph Joseph al Manager d by:					La	Laiju P. N boratory H porized Signat	

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<sup>5</sup> Environmental & Analytical Laboratories

Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC - 5402 & "A" Grade Laboratory approved by 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 Noise** 

Stand	a summer and summer	26/06/2022 6 month	and the second sec			
Onvironmei	ntal Monitoring TEST R	EPORT	TC-5402			
	ULR No: TC540	0221000007051F	24			
LRI No:SEAAL21120	738A	Date: 27-12-2021	Page 1 of 2			
	CUSTOM	ER DETAILS	The same			
Customer Name & M/s St. Basil Gra Address Poovanchira P O, 7						
Customer Reference	Test Request dt 20-12-2	20-12-2021				
	SAMPLE	DETAILS				
Product Category	Water	Sample Code	WT21120128			
Sample Name	Open well	Sample Received on	21-12-2021			
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	5°C .			
Sample Quantity & Packing	1L & Plastic Bottle	Test Commenced on	22-12-2021			
Sampled by	Lab Authorized Sampler	Test Completed on	27-12-2021			
	DETAILS C	OF SAMPLING	and the second			
Sample Source	Open well- Project Site	Date of Sampling	20-12-2021			
Sampling Procedure	SEAAL/ENL/GEN/SOP/01 SEAAL/MBL/SOP/06	& Sample Temperature	31 °C			
in a general and	SAMPLING :	SITE DETAILS	And the second second			
Re -Survey No	332/4,332/5,340/4pt,331/4,33	31/6p,340/3,340/3p,340/4p				
Village	Pananchery	Taluk	Thrissur			
District	Thrissur	State	Kerala			

TEST RESULTS - CHEMICAL PARAMETERS						
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012	
1	Colour	IS 3025 (Part 4):1983 RA 2017	Hazen	1.00	Max 5	
2	Odour	IS 3025 (Part 5):2018		Agreeable	Agreeable	
3	Turbidity	IS 3025 (Part 10):1984 RA 2017	NTU	<0,10	Max 1	
4	рН	IS 3025 (Part 11):1983 RA 2017	'	6.92	6.50 - 8.50	
5	Conductivity	IS 3025 (Part 14):1984 RA 2019	µS/cm	59.0		

Shency Joy Dy. TM Chemical Checked by:

Sall S. Microbiologist Authorized Signatory

Laiju P. Labora Authorized Signatory

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

Standard<sup>S</sup> Environmental & Analytical Laboratories Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC - 5402 & "A" Grade Laboratory approved by 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





#### TEST REPORT

		ULR No: TC54022100	0007051F	L'ensider		
LRI No	SEAAL21120738A	Dat	Date: 27-12-2021		Page 2 of 2	
	7	TEST RESULTS - CHEMICA	L PARAME	TERS		
SLNO. PARAMETERS		TEST METHOD	UNIT		Requirement as per Acceptable Limit of IS 10500 : 2012	
6 Total Dissolved Solids		IS 3025 (Part 16):1984 RA 2	017 mg/L	38.0	Max 500	
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21):2009 RA 2	019 mg/L	16.0	Max 200	
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2	019 mg/L	4.80	Max 75	
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2	019 mg/L	<1.00	Max 30	
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2	019 mg/L	5.94	Max 250	
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23):1986 RA 2	019 mg/L	9.95	Max 200	
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2	019 mg/L	0.11	Max 1	
13	Sulphate as SO4	IS 3025 (Part 24):1986 RA 2	019 mg/I	< 1.00	Max 200	

TEST RESULTS - BIOLOGICAL PARAMETERS						
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Standards	
1	Total Coliform Bacteria	IS 15185 : 2016		Absent/100 ml	Absent/100 ml	
2	E coli	IS 15185 : 2016		Absent/100 ml	Absent/100 ml	

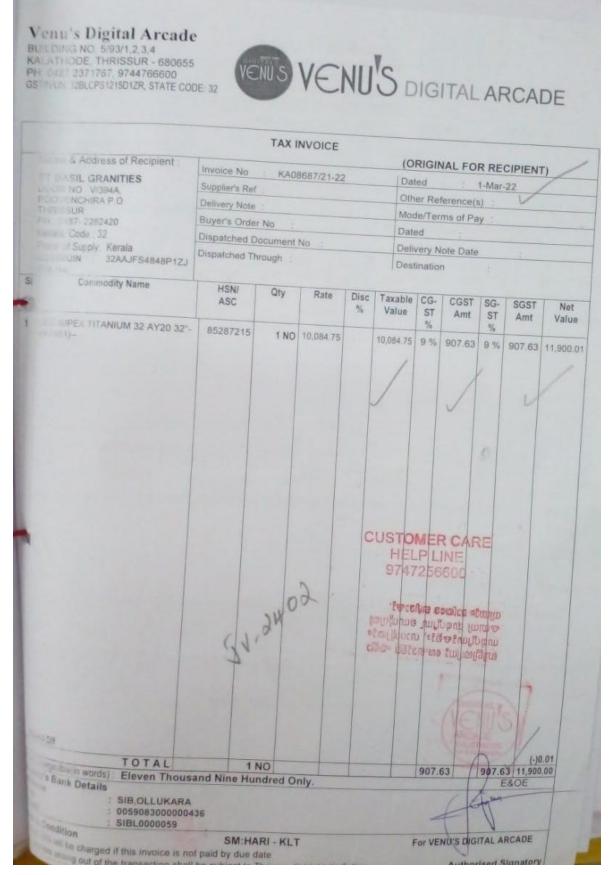
Remarks:

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

Shency Joy Labo. Dy. TM Chemical Microbiologist Authorized Signatory Authorized Signatory Checked by: 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<sup>s</sup> Environmental & Analytical Laboratories

Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC - 5402 & "A" Grade Laboratory approved by KSPCB. K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43

Result of water



**CSR/CER** Receipts