COMPLIANCE REPORT OCTOBER 2022 – MARCH 2023

EC ORDER NO. 61/SEIAA/KL/7682/2012

WS ST. BASIL GRANITES

THRISSUR DISTRICT

KERALA



Dt.17-06-2023

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 :- FileNo. 61/SEIAA/KL/7682/2012

Sub:-Environment Clearance – Quarry project at Pananchery village and panchayat, Thrissur Taluk, Thrissur District, Kerala – Half Yearly Compliance Report –Secondhalf – 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 half yearly compliance report of Second half (October 2022 to March 2023) to the specific and general conditions of the Environment Clearance order is enclosed. The mining project was not in operation in the period on October 2022 to March 2023 due to the direction of Government in connection with land assignment.

Thanking you,

Yours respectfully,

For ST. BASIL GRANITES

For

M/s St. Basil Granites

LALY OUSEPH Managing Partner

Copy to: The Member Secretary

State Environment Impact Assessment Authority (SEIAA),

Thiruvananthapuram, Kerala.

Encl: - As Above

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

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COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 61/SEIAA/KL/7682/2012

Dated: 02.01.2014

BY

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

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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 half yearly compliance report of Second half to the specific conditions and general conditions of the Environmental Clearance for the period of October 2022 – March 2023 is being submitted.

The quarry project is not in operation in this period of October 2022 to March 2023 due to the direction of Government in connection with land assignment.

SALIENT FEATURES OF THE PROJECT

The project comes under Category B, Activity 1 (a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M No. L-11011/47/2011-IA.II (M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M No. J-13012/12/2013-IA-II (I) dt.24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

Geographical location of the project site is in 10°34'14.55 to 10°34'29.6596" Latitude (N) and 76°21'40.2541" to 76°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.

COMPLIANCE REPORT (SPECIFIC CONDITIONS) PART A

PART - A - SPECIFIC CONDITIONS

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

Compliance:

The quarry project is not in operation in this period of October 2022 to March 2023 and its is yet to restart the mining operation. 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 nearby settlement. The PP is being conduct blasting with NONEL method to reduce the impact of blasting.

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

Compliance:

As per the direction, on the western part of garland drain, a retaining wall has provided to arrest the runoff and clarify the water. Only cleared water is letting out from the project site.

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

Compliance:

As part of demarcation of lease area and to prevent entry of living creature to the mine lease area, the project proponent has provided fencing around the lease area with barbed metal wore fencing. A retaining wall has provided at the bottom portion of O B area to prevent sliding and as safety measure to avoid any untoward incident in the project site.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART - B - GENERAL CONDITIONS

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

Compliance:

AS part of water conservation, 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 und	er the	Complied
		affidavit filed by the proponent should be formed and	l made	
		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

TABLE 1 - ENVIRONMENTAL MONITORING CELL (EMC)

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.

03	Suitab	le aver	nue tr	ees sh	ould be p	lanted a	lor	ıg eith	er side of	the	Complied
	tarred	road	and	open	parking	areas,	if	any,	inclusive	of	
	approach road and internal roads.										

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.	Chromolaena odorata	Communist-pacha	Compositae	Shrub
5.	Coccos nucifera	Thengu / Coconut	Arecaceae	Tree
6.	Mangifera indica			Tree
7.	Pennisetum orientale			Herb
8.	Tabernaemontana alternifolia	Kunnanpala	Apocynaceae	Tree
9.	Tectona grandis	Thekku	Verbenaceae	Tree
10.	Ziziphus oenopolia	Thodalli	Rhamnaceae	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 Comp	olied
	contain dust emissions.	

Compliance:

The P P has installed sprinklers and 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	ance

Compliance:

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**. The eco restoration has been started in the project site,

TABLE 3 Details of the saplings planted within the 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	Caricaceae	Tree
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.	Tabernaemontana divaricata	Nandiyarvattom	Apocynaceae	Herb
14.	Cassia fistula	Goldenshower	Fabaceae	Tree

07	At least 10 percent out of the total excavated pit area should	Noted for
	be retained as water storage areas and the remaining area	compliance
	should be reclaimed with stacked dumpings and overburden	
	and planted with indigenous plant species that are eco-	
	friendly.	

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:

The quarry project is not in operation in the period of October 2022 to March 2023. Therefore the project proponent could not execute activities under CSR. 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.

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	

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 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:

No blasting is carrying out in this period from October 2022 to March 2023 due to the project is not in operation. 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

1	12	Quarrying activities should be limited to day time as per KSPCB	Complied
		guidelines.	

Compliance:

Quarrying activities are limited to day time only as per KSPCB guidelines. This help to limit the sound pollution. The quarry working time is from 7.00am to 5.00 pm.

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

Compliance:

The blasting is done in controlled manner by using NONEL technology. All blasting activities are carrying out with the specified regulations of explosive department. All blasting were under careful supervision of qualified persons. At present no blasting is carrying out.

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

Compliance:

No mining activities is carrying out in the project site in this period of October 2022 to March 2023. The project proponent has appointed a second-class manager, foreman 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.

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 proponent has tarred the access road of 450 meter. The project proponent can 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:

The extraction of minerals has been carried out from top to bottom. 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	Complied	
	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.

19	Mining depth should not exceed beyond 40 m, unless otherwise	complied
	specified or not below the level of the nearest stream bed,	
	whichever is less.	

Compliance:

The mining depth does not exceed beyond 40 meter and 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.

2	0	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°.

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.	

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.

Ī	22	The workers on the site should be provided with the required	Complied
		protective 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 drain in the mining area helps to channelize the storm water to the pond created at out side mine lease area. The debris and sediments are being settled down in the bottom of the pond. The photograph of drain is provided in **Plate No. 13**.

24	The transportation of minerals should be done in covered trucks	Complied
	to 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**.

2	25	The proponent should plant trees at least 5 times of the loss	Complied
		that 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.	

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.

29	200	m	buffer	distance	should	be	maintained	from	forest	Noted
	boui	ndaı	ries.							

Compliance:

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

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

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**.

TABLE 5 – APPROVALS FROM COMPETENT AUTHORITIES

Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order	State Environmental Impact Assessment
	Authority, Kerala

"Consent to Operate" (Renewal)	Kerala State Pollution Control Board		
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		

Ī	32	In the case of any change(s) in the scope of the project, the	Noted f	or
		project would require a fresh appraisal by this Authority.	complian	се

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.

34	The stipulations by Statutory Authorities under different Acts col	mplied
	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.

Compliance:

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

Complied

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**.

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

Complied

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.

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

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 of the company.

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.	

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)



Rain Water Harvesting Pond





Avenue trees planted along the road side



Solar light in the project site





Sprinkler installed in project site



Sapling planted

Plate No. 6



Barbed metal wire fencing in the project site



Warning alarm installed in the project site





Tarred access road to the quarry site



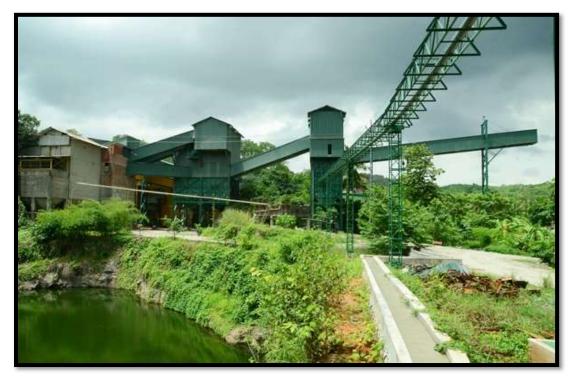
Overburden stacked in the project site.

Plate No. 10



Photograph of benches created in the quarry site

Plate No 11



Crusher working in the project site





Labours with PPE



Drainage





A covered truck; before leaving from the project site



Magazines at isolated place in the project site

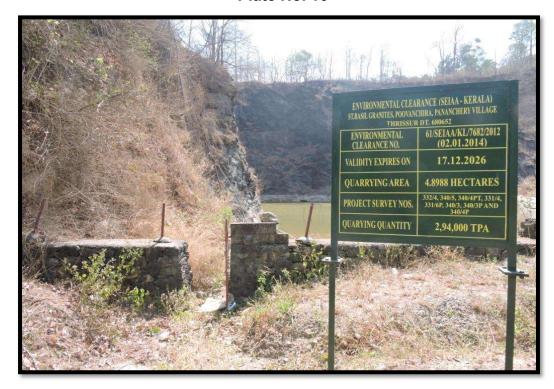


Plate No. 16

The metallic board displayed the details of EC order

ANNEXURE

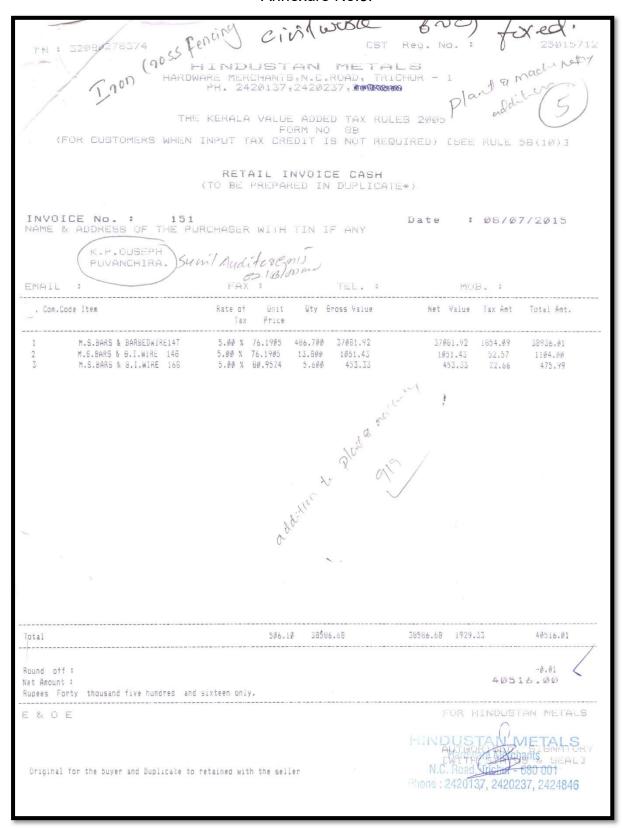
(Documents of the project)

	62 EKKU GAR PATTIKKAD P. O., THRISSUR.	DEN		
	ST. BASIL G	Date	15-09-2 es ssu.R01.	
QUANTITY	PARTICULARS	RATE	Rs. AMOUNT	Ps
15	வை	25	375	
20	disolotorino	25	500	
20	02110 on	15	300	
15	000	10	150	
20	CON TORNE	15	300	
15	21/3/2000	15	225	
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		4		
			1	
			1	
There	Thank You!	Total	1850/	_

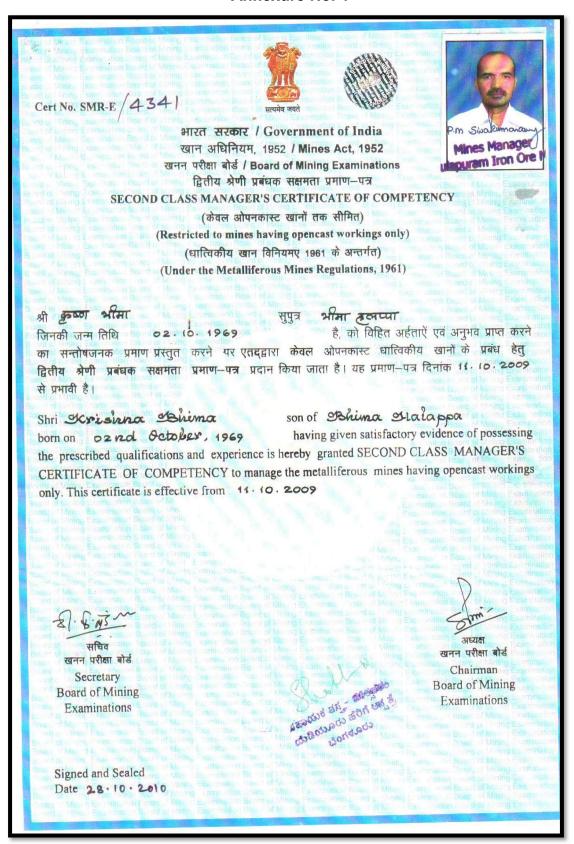
The bill of saplings purchased for eco - restoration



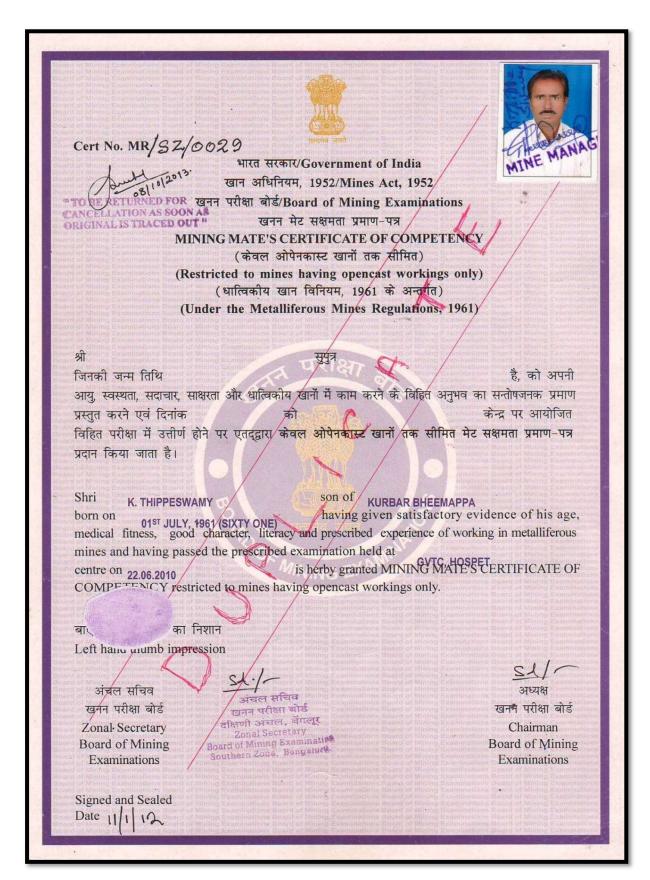
Bill of solar street light purchased



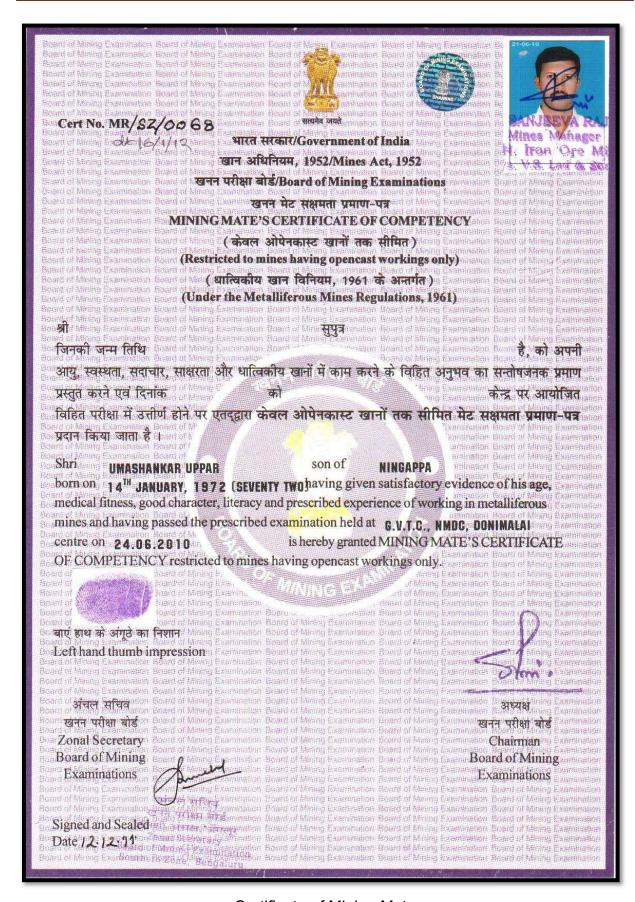
Bill of barbed metal wire Fencing



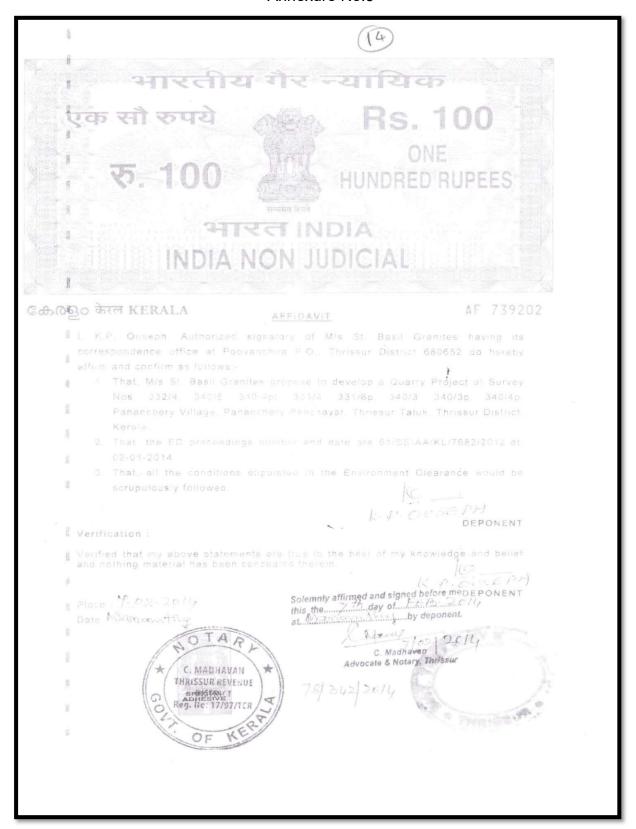
Certificate of Second Class manager



Certificate of Mining Mate



Certificate of Mining Mate



Affidavit



Validity expires on 17.12.2026

Proceedings of the State Environment Impact Assessment Authority Kerala Present: Prof. (Dr.) K.P. Joy, Member (in chair) and Sri. P.K. Mohanty IAS, Member Secretary

Sub: SEIAA Kerala – Quarry project in Survey Nos. 332/4, 340/5, 340/4pt, 331/4, 331/6p, 340/3, 340/3p and 340/4p at Pananchery Village, Pananchery Panchayath, Thrissur Taluk, Thrissur District, Kerala by M/s St. Basil Granites – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

Environmental Clearance

No. 61/SEIAA/KL/7682/2012

dated, Thiruvananthapuram 02-01-2014

Read:- SEIAA Kerala Minutes of the 25th meeting dt. 18-12-2013

ORDER

Mr. K.P. Ouseph, Authorized Signatory, M/s St. Basil Granites, vide his revised application received on 04-01-2013, has sought Environmental Clearance under EIA Notification, 2006 for a quarry project in Survey Nos. 332/4, 340/5, 340/4pt, 331/4, 331/6p, 340/3, 340/3p and 340/4p at Pananchery Village, Pananchery Panchayath, Thrissur Taluk, Thrissur District, Kerala for an area of 4.8988 hectares. The proposed quarry site is a private land and the land is possessed in the name of M/s St. Basil Granites. Forest land is not involved in the project. It is interalia, noted that the project comes under Category B, Activity 1(a), (i) of Schedule of EIA Notification 2006The proposed project site falls within 10°34'14.55" N to 10°34'29.6596" N and 76°21'40.2541" E and 76°21'47.2566" E. The proposed project is for quarrying of 2,94,000 TPA of building granite stone from an area of 4.8988 hectares of land. The expected life of mine will be 13 years.

The proposal has been appraised by the State Level Expert Appraisal Committee Kerala constituted by the competent authority, as per prescribed procedure in the lights of provisions under the EIA Notification 2006 and subsequent amendments, in its 11^{th} meeting held on 9^{th} January 2013, 19^{th} meeting held on 9^{th} and 10^{th} September 2013 and 21^{st} meeting held on 4^{th} November 2013 AND on the basis of the supporting documents enclosed with the application viz., the Form -1, questionnaire for mining projects, pre-feasibility report, Environment Management Plan and the additional clarifications furnished in response to the observations, the SEAC Kerala recommended environmental clearance to the project.

The proposed project activity involves about 100 % of the pit area for exploring granite building stone. At the end of life of mine, the reclaimed area will be suitably planted and the remaining void at lower levels of excavated pit will be utilized as water storage area. The proposed project does not involve any underground mining activities. The mining will be done by open cast semi mechanized method. The bench height and width proposed is 5 m. The exploitation of mineral is being done from

Environmental Clearance No. 61/SEIAA/KL/7682/2012

Page 1 of 5

Copy of EC order



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/TSR/ICO/R15TRI785565/2020

Date of issue :13/08/2020

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No: PCB/DO/TSR/R5/442A/2020

Ref: 1) Your online application no. 13397763 dated 20.06.2020

Consent No. PCB/DO/TSR/R4/442A/2018 issued on 07/02/2018 valid up to 30/09/2020

The 'Integrated Consent to Operate' issued as per reference above to M/s St. Basil Granites - Quarry 1, Poovanchira P.O., Thrissur is hereby renewed up to 30/09/2025 and issued to M/s St. Basil Granites - Quarry 1, Poovanchira 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 5800/-
2	Fee remitted	Rs 33,025/-

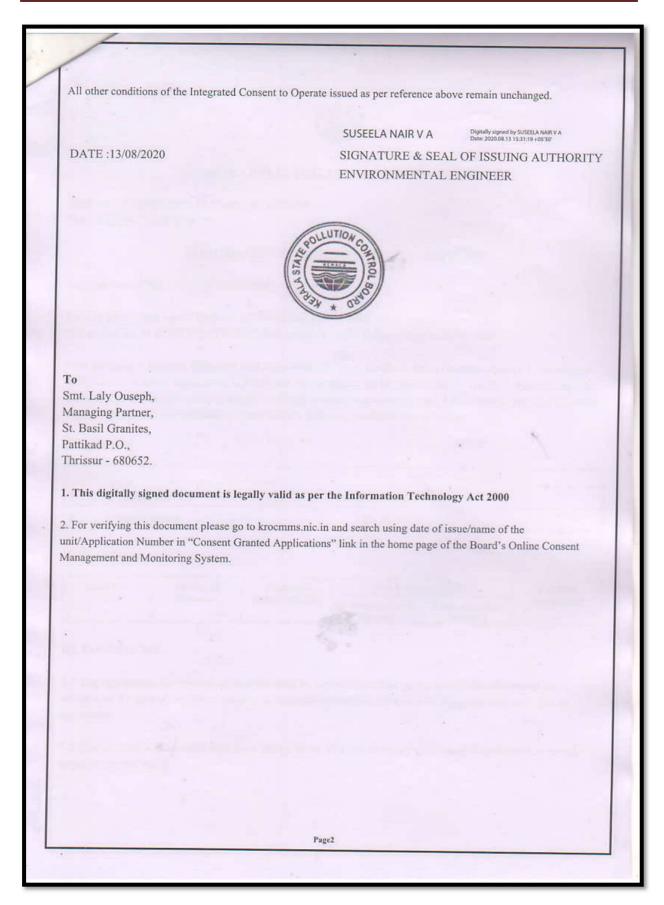
II. Stack Details

Stack No. Source of		Emission	Stack Hei	ght above	Control
Stack No. Source of Emission	Rate(Nm3/Hr)	Ground Level(In	Roof Level(In Meters)	Equipmen	

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 consent. Late application will be accepted only with fine as applicable.
- 3.2 This consent will be valid only for a period when all other statutory clearances from other concerned departments are valid.

Page1



Consent from PCB

Quarry 2 (14)

31.12.2023



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/TSR/IC/5240/14 Date of issue :01/11/2019

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No: PCB/DO/TSR/R2/ICO/3636/2017

Ref: 1) Your online application no. 11732959 dated 28.09.2019

2) Consent No. PCB/DO/TSR/R1/ICO/3636/2019 issued on 12.04.2017 valid up to 31.12.2019

The 'Integrated Consent to Operate' issued as per reference above to M/s St. Basil Granites - Quarry 2, Poovanchira P.O. is hereby renewed up to 31/12/2023 and issued to M/s St. Basil Granites - Quarry 2, Poovanchira P.O. 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 2800/-
2	Fee remitted	Rs 12,132/-
3	Validity	31/12/2023

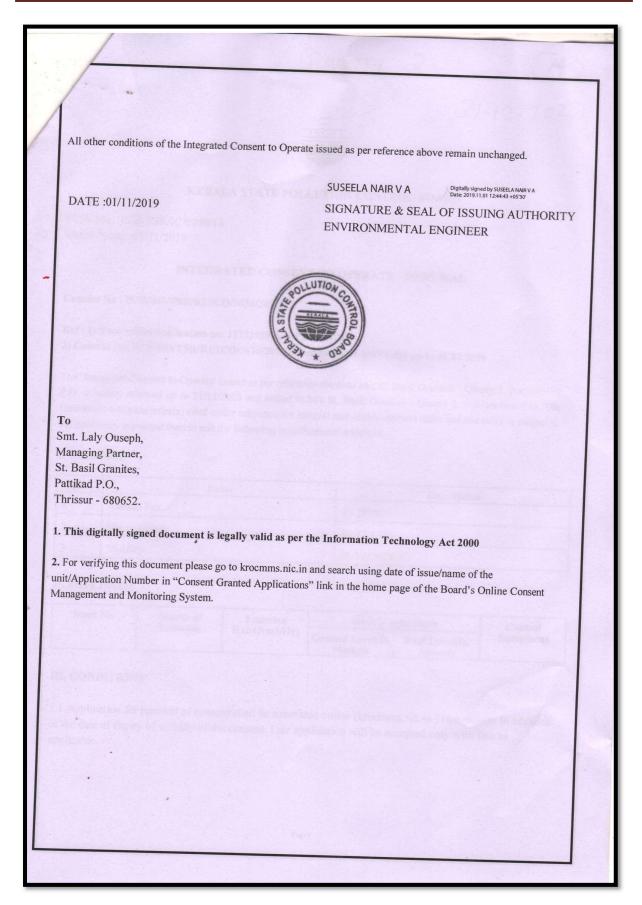
II. Stack Details

Stack No.	Source of	Emission Stack Height above		Stack Height above	
	Emission	Rate(Nm3/Hr)	Ground Level(In Meters)	Roof Level(In Meters)	Equipment

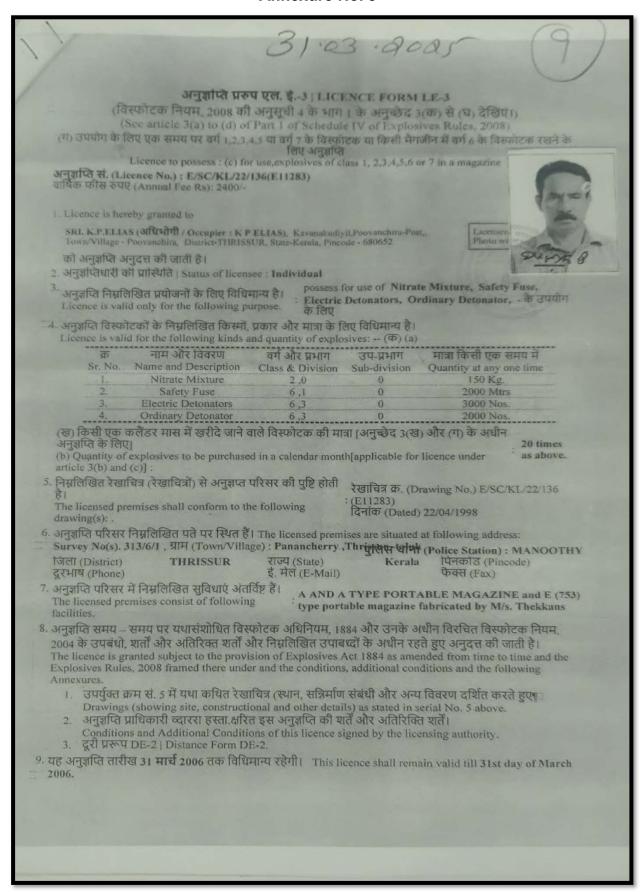
III. CONDITIONS

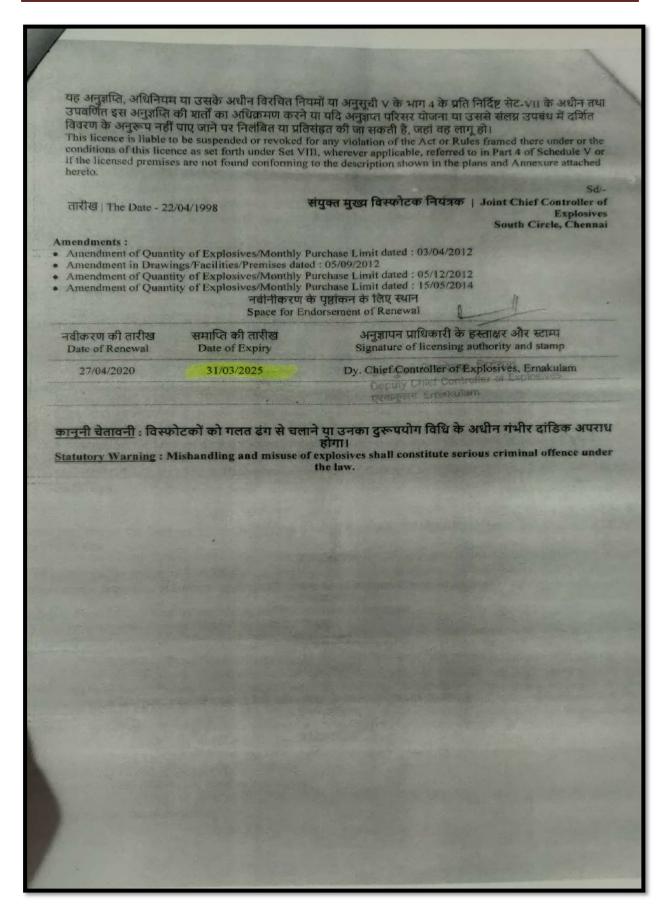
3.1 Application for renewal of consent shall be submitted online (krocmms.nic.in) two months in advance of the date of expiry of validity of the consent. Late application will be accepted only with fine as applicable.

Page1



Consent from PCB





License to possess and use of explosives



PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY

Sub: Mines and Minerals-Minor Minerals-Granite Building Stone – Renewal of Quarrying lease to M/s. St.Basil Granites, Poovanchira P.O, Thrissur-680652 sanction orders issued.

Ref : 1. Application dated 26.6.2014 from M/s. St.Basil Granites, Poovanchira P.O, Thrissur-680652

- Letters No. 1866/C2/TDO/14 from the Geologist, District Office, Thrissur Dated 16.7.14,31.7.14 & 27.8.14
- 3. Kerala Minor Mineral Concession Rules, 1967
- Order No.61/SEIAA/KL/7682/2012 dt. 2.1.2014 of Member Secretary, SEIAA & Additional Chief Secretary to Government Environment, Forest & Wild Life Departments
- 5. Order No. 634/04-05/8348/M3/04 dtd. 4.1.2005 of the DMG

No. 413/2014-2015/8670/M3/2014

Dated, Tvpm. 26.09.2013

ORDER

The quarrying lease grated vide reference 5th cited is renewed for a further period of 10 years from 10.1.2015 to quarry **Granite Building Stone** over an area of **2.4172** hectares of **Private** land comprised in **Sy.Nos.332/4**, **340/4pt**, **340/5** of **Panachery** Village, **Thrissur** Taluk, **Thrissur** District under the Kerala Minor Mineral Concession Rules, 1967 and as per the Survey map issued by the **Tahsildar**, **Thrissur** and submitted by the applicant subject to the under mentioned conditions.

- 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.
- 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.
- 4. 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 289920M³ 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 vide reference 5th cited does not tally with the quantity as per the account furnished by the

2

Lease order form Director of Mining and Geology

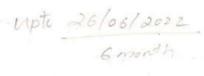
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Phone- +91 487 2282051, 2282057			apanchayat@gm	nail.com
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1994 ലെ കേരള പഞ്ചായത്ത് ര അനുബന്ധ ചട്ടങ്ങളും പ്ര വ്യാപാരങ്ങൾക്കും, സംരംഭക്യ	കാരമുള്ള വ്യാ	വസായങ്ങ ൾക്കാം. മറ	ശ്രീക്കാര ഹാം	PRAD
	ലാലി ഒസേപ	വ്		
ലൈസൻസ് ഉടമസ്ഥന്റെ പേരും മേൽവിലാസവും	മാനേജിങ്ങ് പ	വാര്ട്ലർ,		
емоот пертогодо	സെന്റ് ബേസിൽ ഗ്രാനൈറ്റ്			
	പൂവ്വൻചിറ(പ	ി.ഒ)		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ക്വാറി നടത്തുന്നതിന്			
വാർഡ് നമ്പരും കെട്ടിടത്തിന്റെ നമ്പരും	6			303
സ്ഥാപനത്തിന്റെ പേര്,സ്ഥല നാമം	സെന്റ് ദേ ഗ്രാദെ	വസിൽ നെറ്റ്		പുവ്വൻചിറ
ലൈസൻസിന്റെ കാലാവധി	01/04/2020	മുതൽ	31/03/2023	വരെ
ലൈസൻസ് ഫീസ്			12000	
995년(10(10(10 전) [(TO	119060110655 തിയ്യതി ^{25/02/2020}		25/02/2020	
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			
(നമ്പര്, ത്വയ്യതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാനം	മേൽ സർട്ടിഫിക്കറ്റുകളുടെ കാലാവധി കഴിയുന്നമുറക്ക് ലൈസൻസ് റദ്ദാവുന്നതാണ്			പധി ദുന്നതാണ്
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License from Gram Panchayat



Advertisement in two News paper regarding issue of EC order







TEST REPORT

ULR No: TC540221000007049F				
LRI No:SEAAL21120736A	Date: 27-12-2021	Page 1 of 1		

CUSTOMER DETAILS				
Customer Name &	M/s St. Basil Granites- Quarry			
Address	Poovanchira P O			
	Thrissur District			
Customer Reference	Test Request dt :20-12-2021	The state of the s		

	SAMPLE D	ETAILS	
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
Contract to the last to the la	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 SIT	TE DETAILS	A CONTRACTOR OF STREET
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, PM ₁₀	IS 5182 (Part 23):2006	μg/m³	50.1	Max 100
2	Particulate Matter, PM _{2.5}	EPA 40 CFR (Part 50) Appendix – L	μg/m³	23.7	Max 60
3	Sulphur Dioxide as SO ₂	IS 5182 (Part 2): 2001 RA 2017	μg/m³	< 2.00	Max 80
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006 RA 2017	μg/m³	< 2.00	Max 80

Remarks:

End of Report

Rija Joseph Technical Manager Checked by: He . The state of the state of

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.

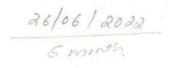
Standard⁵ Environmental & Analytical Laboratories

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







TEST REPORT

	ULR No: TC	540221000007050F	
LRI No: SEAAL211207	37A	Date: 27-12-2021	Page 1 of 1
	CUSTO	OMER DETAILS	
Customer Name &	M/s St. Basil Granit	es- Quarry	

	CUSTOMER DETAILS
Customer Name &	M/s St. Basil Granites- Quarry
Address	Poovanchira P O
	Thrissur District
Customer Reference	Test Request dt 20-12-2021

Maring the Control of	DETAILS OF	F MONITORING	
Product Category	Atmospheric Pollution	Sample Code	EN21120220
Sample Name	Ambient Noise	Monitoring Commenced on	20-12-2021/ 06:00
Monitoring Location	Project Site South side Boundary	Monitoring Completed on	21-12-2021 / 06:00
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler
	MONITORIN	G SITE DETAILS	
Re -Survey No	332/4,332/5,340/4pt,33	31/4,331/6p,340/3,340/3p, 34	10/4p
Village	Pananchery	Taluk	Thrissur
District	Thrissur	State	Kerala

MONITORING RESULTS - Leq							
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)		
06:00	36.1	14:00	48.4	22:00	35.0		
07:00	38.7	15:00	48.7	23:00	33.1		
08:00	42.8	16:00	49.8	24:00	35.5		
09:00	46.1	17:00	50.2	01:00	36.1		
10:00	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	20:00	37.9	04:00	35.5		
13:00	48.0	21:00	37.5	05:00	37.2		

TEST RESULTS - CHEMICAL					
SI. No.	PARAMETERS	UNIT	RESULT		
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	46.8		
2	Ambient Sound Level (Leq) Night Time (23:00 to 05:00)	dB(A)	35.8		

Remarks:

End of Report

Rija Joseph Technical Manager Checked by:

Laboratory Hea 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 includes a laboratory.

Standard⁵ Environmental & Analytical Laboratories

Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017

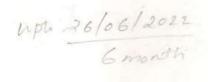
vide Certificate No. TC - 5402 & "A" Grade Laboratory approved by KSPCB.

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







TEST REPORT

ULR No: TC540221000007051F				
Date: 27-12-2021	Page 1 of 2			

	CUSTOMER DETAILS	
Customer Name & Address	M/s St. Basil Granites- Quarry Poovanchira P O, Thrissur District	100
Customer Reference	Test Request dt 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 OF	SAMPLING	
Sample Source	Open well- Project Site	Date of Sampling	20-12-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/01 8 SEAAL/MBL/SOP/06	Sample Temperature	31 °C
	SAMPLING SI	TE DETAILS	
Re -Survey No	332/4,332/5,340/4pt,331/4,331	/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:

Microbiologist Authorized Signatory

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^s 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: TC540221000007051F				
LRI No:SEAAL21120738A	Date: 27-12-2021	Page 2 of 2		

	TEST RESULTS - CHEMICAL PARAMETERS							
SI.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012			
6	Total Dissolved Solids	IS 3025 (Part 16):1984 RA 2017	mg/L	38.0	Max 500			
7	Total Hardness as CaCO ₃	IS 3025 (Part 21):2009 RA 2019	mg/L	16.0	Max 200			
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2019	mg/L	4,80	Max 75			
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2019	mg/L	<1.00	Max 30			
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2019	mg/L	5.94	Max 250			
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23):1986 RA 2019	mg/L	9.95	Max 200			
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2019	mg/L	0.11	Max 1			
13	Sulphate as SO ₄	IS 3025 (Part 24):1986 RA 2019	mg/L	< 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 Dy. TM Chemical Checked by:

Authorized Signatory

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^s 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.

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Result of water