COMPLIANCE REPORT

October 2018 - March 2019

M/s ST. BASIL GRANITES THRISSUR District Kerala



Dt. 21-06-2019

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 01/10/2014 by State Environmental Impact Assessment Authority, Kerala. The compliance report of Second Half (October 2018 – March 2019) to the specific and general conditions of the Environment Clearance order is enclosed

Thanking you,

Yours respectfully,

The Real Graded Sand

For

M/s St. Basil Granites

FOR ST: BASIL GRANITES,

LALY OUSEPH, Managing Partner.

Copy to: The Chairman & The Member Secretary

State Environment Impact Assessment Authority (SEIAA) 'Devi Kripa', Pallimukku, Pettah P.O., Thiruvananthapuram, Kerala – 695 024.

Encl: - As Above

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

GSTIN 32AAJFS4848P1ZJ

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

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	28
6.	Annexure	38

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	16
5.	Details of statutory approvals	24

LIST OF PLATES

Plate	Particulars	Page No.
No.		
1	Photograph showing fencing for Rain Water Harvesting Pond	29
2	Photograph of the avenue trees planted along the road side	29
3.	Photograph of Solar lights	30
4.	Photograph showing the sprinkler installed in the project site	30
5.	Photograph of concurrent Eco restoration	31
6.	Photograph of CSR	31
7.	Photograph showing Barbed Metal wire fencing in the project site.	32
8.	Photograph showing warning alarm installed in the project site	32
9.	Photographs showing the tarred access road to the project site	33
10.	Photograph showing the stacked overburden / top soil.	33
11.	Photographs showing the benches system in the quarry site.	34
12.	Photograph showing the crusher unit in the project site.	34
13.	Labours with PPE	35
14.	Photograph of Draining	35
15.	Photographs showing the covered trucks during transportation of minerals.	36
16.	Photograph showing the magazine (Explosive storage area)	36
17	Photograph of metallic board for displaying the details of EC order.	37

LIST OF ANNEXURES

Annexure No.	Particulars	Page No.
1.	Copy of the invoice on the expenses incurred in purchase of	39
	plants for eco-restoration	
2.	Copy of the receipts of the expenses of Solar street lights	41
3.	Copy of the receipts of the expenses of fencing	42
4.	Copy of the certificate of Mines manager and Mining mate	43
5.	Copy of bill for the purchase safety equipments	46
6.	Copy of EC order	54
7.	Copy of the "Consent to Operate" from Kerala State Pollution Control Board (Renewal)	55
8.	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	56
9	Copy of lease order form Director of Mining and Geology	57
10.	Copy of License for quarry operations from <i>Gram</i> Panchayath	58
11.	Copy of advertisement in newspaper	59
12.	Monitoring results of air, Water and Noise	60
13.	Copy of the affidavit	63
14.	Copy of CSR receipts	64

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 Second half to the specific conditions and general conditions of the Environmental Clearance for the period of October 2018 – March 2019 is being submitted.

SALIENT FEATURES OF THE PROJECT

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

Geographical location of the project site is in 10⁰34'14.55 to 10⁰34'29.6596" Latitude (N) and 76⁰21'40.2541" to 76⁰21'40.2541"(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	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 of land and within lease area without conducting quarrying activities.

02	Retaining	wall	should	be	provided	on	the	western	part	of	Complied
	garland dr	ain to	arrest t	he r	unoff and o	clari	fy the	e water			

Compliance:

To arrest the storm water to clarify, the project has developed a pond in the lowest portion of the project area. The runoff from quarry area is leading to the existing pond and all sediments settle down at the bottom of the pond. Only clarified water is letting pout this water again de- silted with a de – siltation trap near to the out let.

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

Compliance:

To demarcate the boundary and to ensure safety, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. This will help to prevent falling of animals/human being/dumping of garbage etc.

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:

To collect rain water from the entire project land, the proponent has developed rain water harvesting pond in the quarrying area. The pond is situated in the lowest level of project site. The surface runoff is channelized to the pond through garland drains. The water from pond is mainly used for crusher work, watering of plants, wetting of roads and sprinkler system for contain dust emission. The photograph of Rain water collection pond is provided in **Plate No. 1**

0	2	Environment	Monitoring	Cell	(EMC)	as	agreed	under	the	Complied
		affidavit filed	by the prop	ponen	t shoul	d be	formed	l and m	nade	
		functional.								

Compliance:

The Environmental Monitoring Cell (EMC) will be formed with Mr. K P Ouseph as head of the monitoring cell. The EMC meeting convenes regularly to evaluate and monitor quarrying work in connection with the specific and general conditions stipulated in the Environmental Clearance (EC) order. The details of the monitoring cell are given below **Table No.1**.

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.			
		(NABET Accredited Consultancy)			

0	3	Suitab	le avei	nue tr	ees sh	ould be p	lanted a	lor	ig eith	er side of	the	Complied
		tarred road and open parking areas, if any, inclusive of										
		approa	ich roa	ad and	l intern	al roads.						

To enrich vegetation and prevent air pollution, the project proponent purchased suitable avenue trees and planted either side of the roads, parking area and other areas in the project land. There are natural vegetations including trees, shrubs, herbs and climbers also present. The details of vegetation are given below. 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	Mavu	Anacardiaceae	Tree
7.	Pennisetum orientale	Oriental fountain grass	Poaceae	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
	gene	ration an	d utiliza	ation whereve	r possible				

As part of energy conservation, the project is generating and utilizing energy from solar by installing two solar street lights in the project site. 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:

To prevent dust emission, sprinklers are installed in the project site. The sprinklers installed in and around the crusher unit. To arrest the dust emission form the approach road and the haulage road, the project proponent has deployed a tanker vehicle to splashes water. The photograph of effective utilization of sprinklers is provided at Plate No. 4.

C)6	Eco-restoration including the mine closure plan shall be done at	Being	ı
		the own cost of the project proponent.	Complied	ĺ

Compliance:

As part of eco restoration, the project started to plant various saplings within the project area. The mine closure plan will be done at own cost of project proponent as agreed in the proposal. The planted and proposed sapling to be planted in the project site is given below in the Table No. 3. The photographs of planted saplings are provided in Plate No. 5.

	TABLE 3 Details of the 3	apinigs planted w	ntilli tile project a	ıı C a
No.	Scientific Name	Common Name	Family	Hab

TABLE 3 Dotails of the caplings 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 be	Will be
	retained as water storage areas and the remaining area should	complied
	be reclaimed with stacked dumpings and overburden and	
	planted with indigenous plant species that are eco-friendly.	

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

80	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 project proponent has carrying out many activities for social integration nd community development. The activities under Corporate Social Responsibility (CSR) activities are executed in the sector of Health, Housing. The project proponent is

intending to carry out more activities under CSR for inclusive growth in the community. Photograph of performed **CSR** is attached as **Plate No.6**. Receipts of CSR activity is attached as **Annexure No. 14**. The details of CSR performed are given in the table.

Table No.4- Details of Performed CSR

Sectors	Activities	Partners	Beneficiaries	Amount
				spent in Rs.
Infrastructure	Donation for	St George orthodox		15,000
Development	Church	Syrian Church		
	construction			
	Donation of	St George orthodox		52832
	Materials	Syrian Church		
Social	Donation	KSEB Oficers	Community	15,000
		Association		
	Donation	Inian National	Community	10,000
		Congress		
	Donation	Indira Gandhi	Public	1,00,000
		Janasathabthi		
		Bhavana Nirmanam		
	Donation	BJP, Keralam	Public	30,000
	Donation	BMS, Thrissur Jilla	Public	5000
	Donation	BMS Thrissur District	Public	
		Committe		
	Donation	CPI Special Fund	Public	1,00,000
		2019		
	Donation	E K Nayanar Pain &	Public	10,000
		Palliative Care		
		Charitable Society		
	Donation	DYFI	Public	
	Donation	Yuvamorcha	Public	3,000
		sammelanam		

	Donation	CPI Ollur Mandalam Committe	Public	30,000
Festival	Donation	Makarachovva Maholsavam		15,000
	Donation	Poovanchira Desavilakku Maholsavam		25,000
	Donation	Poovanchira Desam		50,000
		Total		4,60,832

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 prevent falling of animals/human being/dumping of garbage etc, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. All the boundary indicators (boards, stores, markings etc) will be protected at all times and shall be conspicuous. The purchase bill of materials is given in **Annexure No.3**. The photograph of barbed metal wire fencing is provided in **Plate No.7**.

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:

As per the stipulation of Explosive department, the project has installed warning alarms in the quarry site. This warning alarm is properly working prior to the blasting time. The timing of blasting in the quarry is in between 1.00 pm on all working days. The photograph of alarm is given in **Plate No. 8.**

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

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. The quarry working time is 8 am to 5.00 pm.

13	Blas	sting should b	e do	one in a cont	rolled manne	r as	specif	fied by	Complied
	the	regulations	of	explosives	department	or	any	other	
	cond	cerned agenc	y.						

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

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

Compliance:

The project has appointed a mining mate and second class manager 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, the project has tarred the access road of 450 meter from the entrance of project site and it is maintain well. The project splashes water on the road to arrest the dust production during summer season. The photograph of tarred road is provided in **Plate No. 9.** The project proponent is intending maintain access road to the quarry in good condition for dust emission and easiness of transportation of vehicles.

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

Overburden is an inevitable byproduct of building stone quarry. There is no old quarry in the site for restoration. The overburden materials are stored within the site at designated place. This will be used to restore the exploited area in future. The photograph is showing the same in **Plate No.10**.

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. 11** showing the same.

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

Compliance:

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

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

Compliance:

Mining depth will not exceed beyond 40 meter or not below the level of the nearest stream bed, whichever is less.

20	No mining operations should be carried out at places having a	Not
	slope greater than 45 ⁰ .	applicable

In the project site, there is no area with a slope greater than 45⁰. Therefore it is not necessary to explore from the slopes greater than 45⁰.

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 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.12.** Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. The project is trying to enhance the vegetative cover by planting more tree saplings.

22	The workers on the site should be provided with the required	Complied
	protective equipments such as ear muffs, helmet, etc.	

Compliance:

The project has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, glows, etc. to ensure the safety of labours in working site. The photograph of the workers with PPE is given in the **Plate No. 13.** The copy of bill purchased for Personal Protective Equipments is attached as **Annexure No. 5.**

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 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 will be settled down in the bottom of the pond. The clarifiers will be installed soon. The photograph of drain is provided in **Plate No. 14**.

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

Compliance:

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

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

Compliance:

As part of concurrent eco restoration, the project planted various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The photograph of planted trees is given in **Plate No. 5.** The list of tree saplings planted in the project site as part of eco-restoration is provided in **Table No 3.**

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

Compliance:

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

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

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 magazine housed in solid bricks is attached as **Plate No .16.**

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 108 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 near to the project site.

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

Compliance:

The Project 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.				

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	Name of the Statutory authority	Approval Number & Date
approval		
Environmental	State Environmental Impact	61/SEIAA/KL/7682/2012
Clearance order	Assessment Authority, Kerala	Dated: 02/01/2014
"Consent to Operate"	Kerala State Pollution Control	PCB/TSR/IC/993-2008
(Renewal)	Board	Dated: 27/02/2016
Explosive License	Ministry of Commerce & Industry –	E/SC/KL/22/136(E11283)
	Petroleum & Explosives Safety	Dated: 07/04/2015
	Organization (PESO)	
License for quarry	Gram Panchayat Panchayath	B -3-3013-16, Dated:
operations		02/07/2016
	Directorate of Mining and Geology	413/2014-
Lease order		15/8670/M3/2014
		Dated: 26/09/2013

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

Compliance:

At present 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
	measures subsequently, if found necessary, and to take action	
	including revoking of the environment clearance under the	

provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

Compliance:

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

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

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. 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.

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:

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

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.

Compliance:

The compliance report is being submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and also to the Regional Office of MoEF&CC, Govt. of India both in hard copy as well as mail. The result of monitoring data is attached as **Annexure No. 12.**

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 conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font was installed. The photograph of the metallic board is provided at **Plate No.17.**

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. 13.**

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

Plate No 4



Sprinkler installed in project site

Plate No.5



Sapling planted

Plate No. 6



CSR Activity

Plate No. 7



Barbed metal wire fencing in the project site

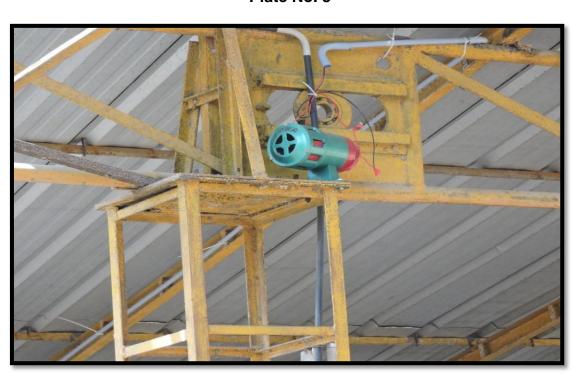


Plate No. 8

Warning alarm installed in the project site

Plate No. 9



Tarred access road to the quarry site





Overburden stacked in the project site.

Plate No. 11



Photograph of benches created in the quarry site

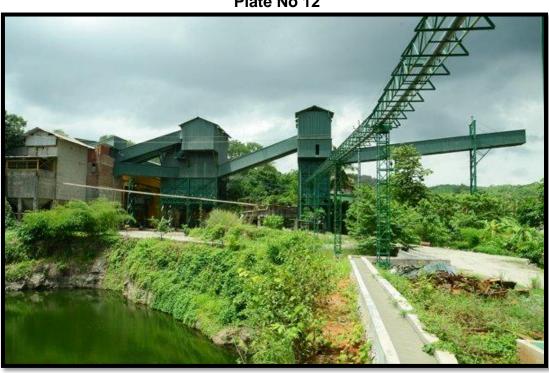


Plate No 12

Crusher working in the project site

Plate No. 13



Labours with PPE

Plate No 14



Drainage

Plate No. 15



A covered truck; before leaving from the project site

Plate No. 16



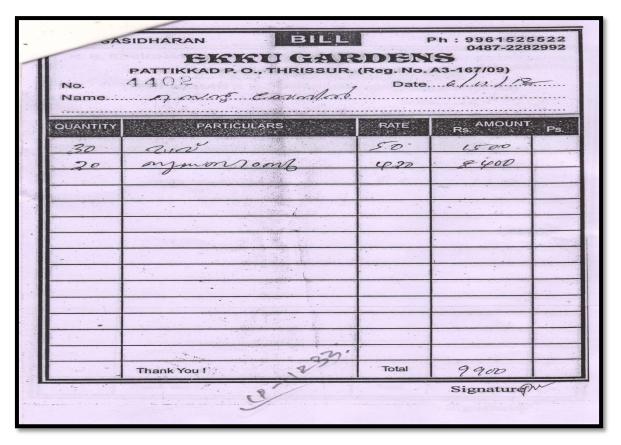
Magazines at isolated place in the project site

Plate No. 17

The metallic board displayed the details of EC order

ANNEXURE

(Documents of the project)



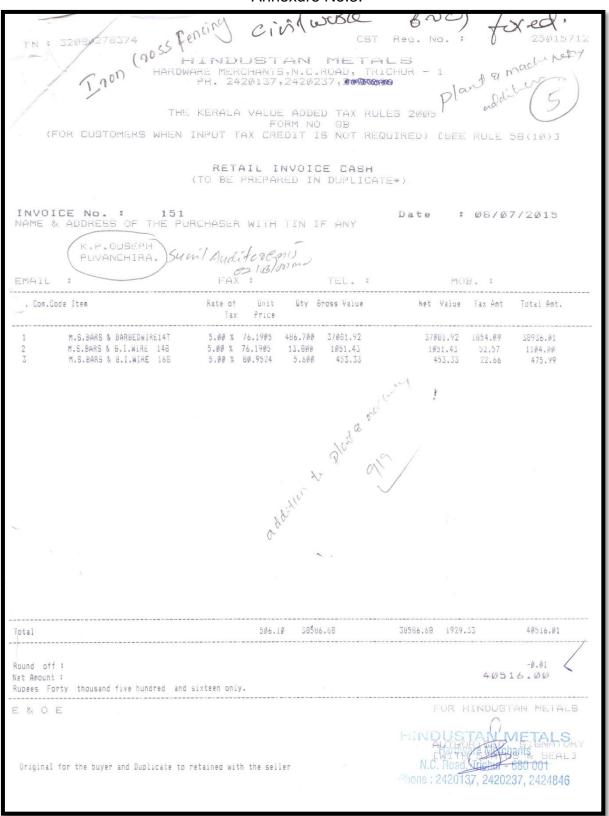
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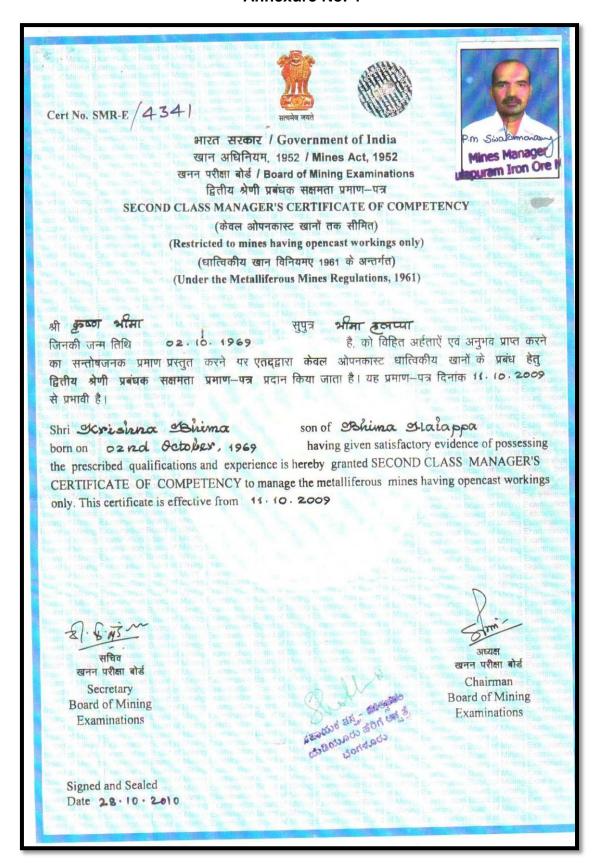
The bill of saplings purchased for eco - restoration

SOLGEN ENERGY PRIVATE LIMITED 22/314-B,PUTHUR GRAMA PANCHAYATH,KUTTANELLUR, THRISSUR,KERALA -680014 PHONE: 0487 3101718 TIN 32080718193 CST 32080718193C CIN: U40300KL2014PTC037446 KERALA VALUE ADDED TAX RULES 2005 FORM NO.8 [(For Vat Dealers - Manufactures) See Rule 58 (10)] TAX INVOICE [CASH/CREDIT] 102/320284/16-17 ST.BASIL GRANITES INV. No. Poovachira P.O Date 14-02-2017 Thrissur-680652 P.O NO. P.O DATE 17-01-2017 TIN-32080533862 KL-SR-JVN/129/16-17 INDENT NO. Mobile - 8943446679/9947248929 mail@stbasilgranites.com Rate Disco **Net Taxable Grand Total** No. Commodity Unit Price Unit Gross Value Tax Amount 40.755.52 1 Supply of 12W Solar Street Light 40,352.00 403.52 0.48 Round Off 40,352.00 403.52 40,756.00 Grand Total In Words (Rupees Fourty Thousand Seven Hundred and Fifty Six Only) Payment Terms - RTGS Immediately after delivery of material at site Declaration (To be furnished by the seller) Certified that all the purticulars shown in the above invoices are true and correct in all respects and the goods on the tax charged and collected are inaccodance with the provisions of the KVAT Act 2003 and the rules made there under. It is also certified that my/our registration under KVAT ACT 2003 is not subject to any Suspension/Cancellation and it is valid as on the date of this bill. FOR SOLGEN ENERGY PYTLTD Goods received in good condition AUTHORISED SIGNATORY Signature of the Party

Bill of solar street light purchased



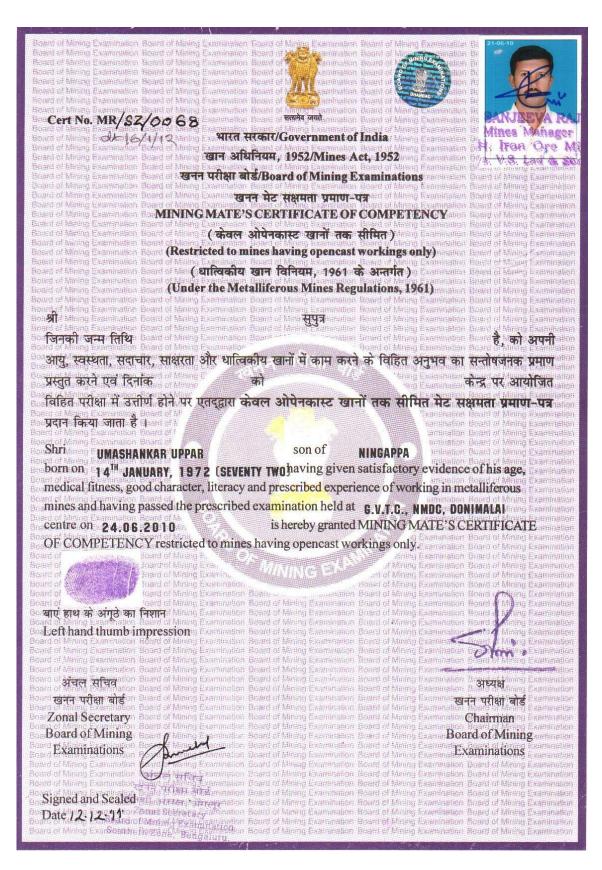
Bill of barbed metal wire Fencing



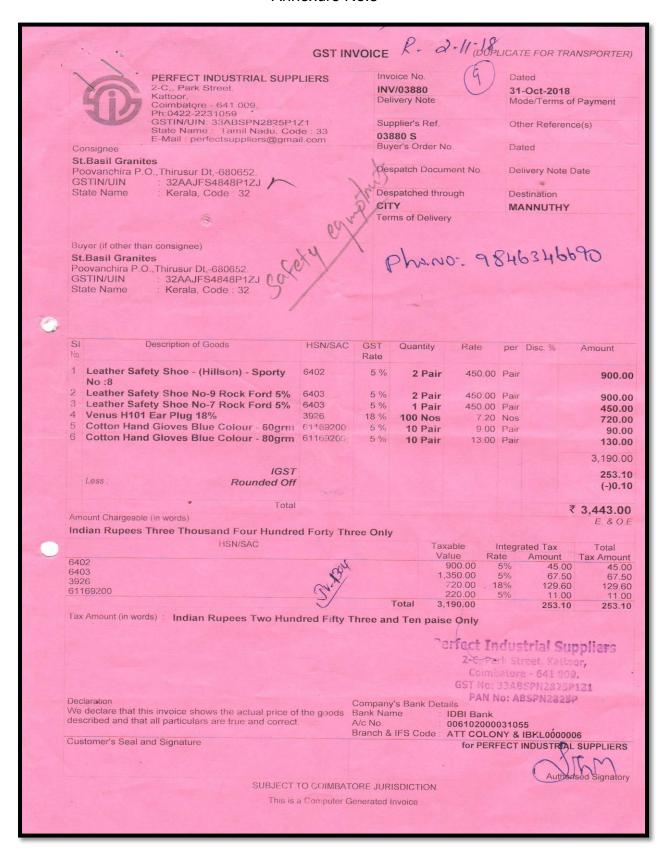
Certificate of Second Class manager

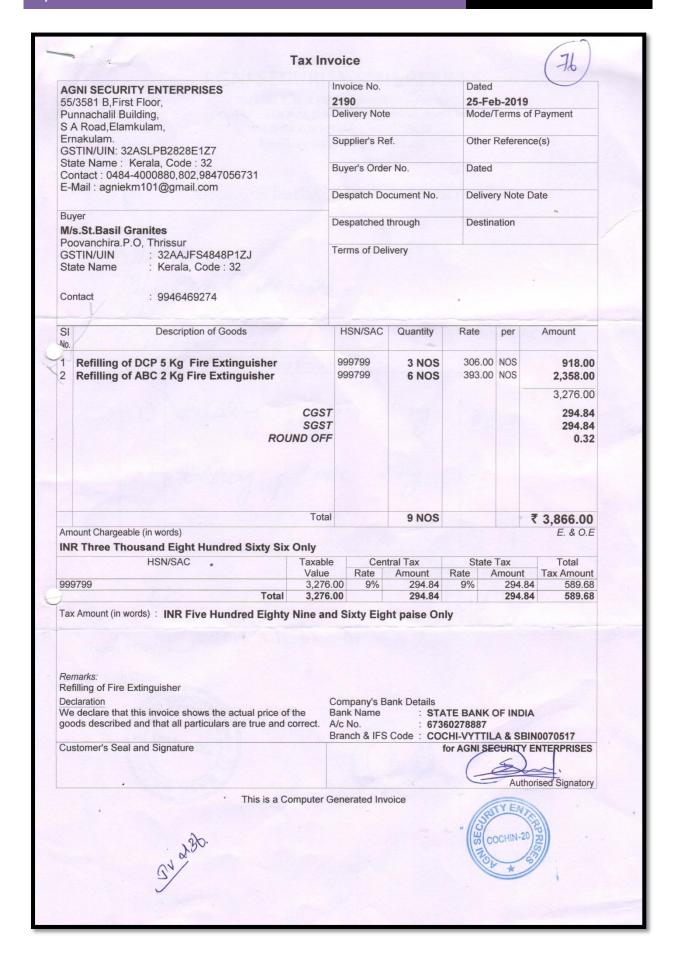


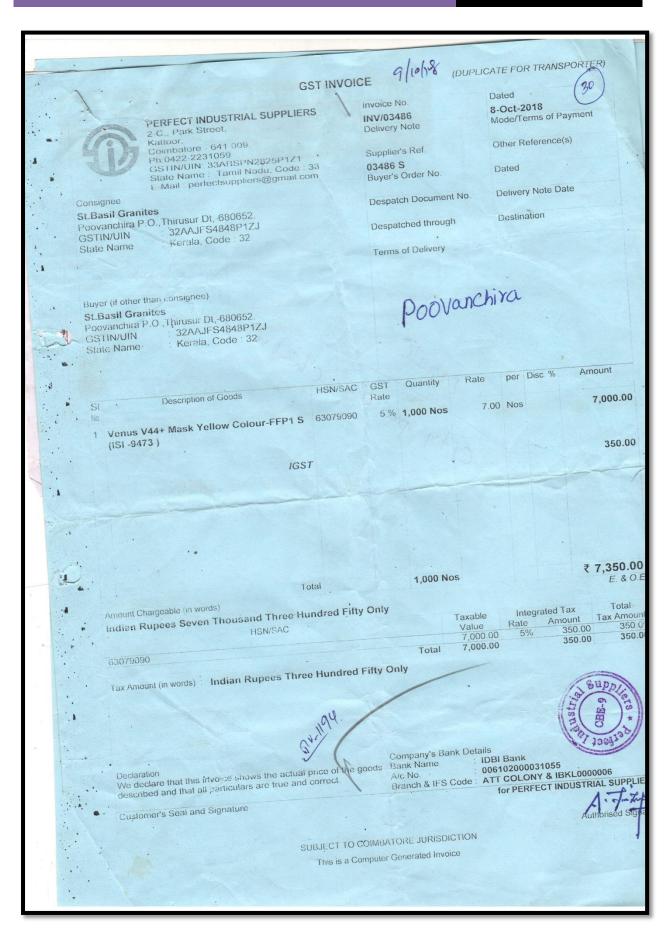
Certificate of Mining Mate

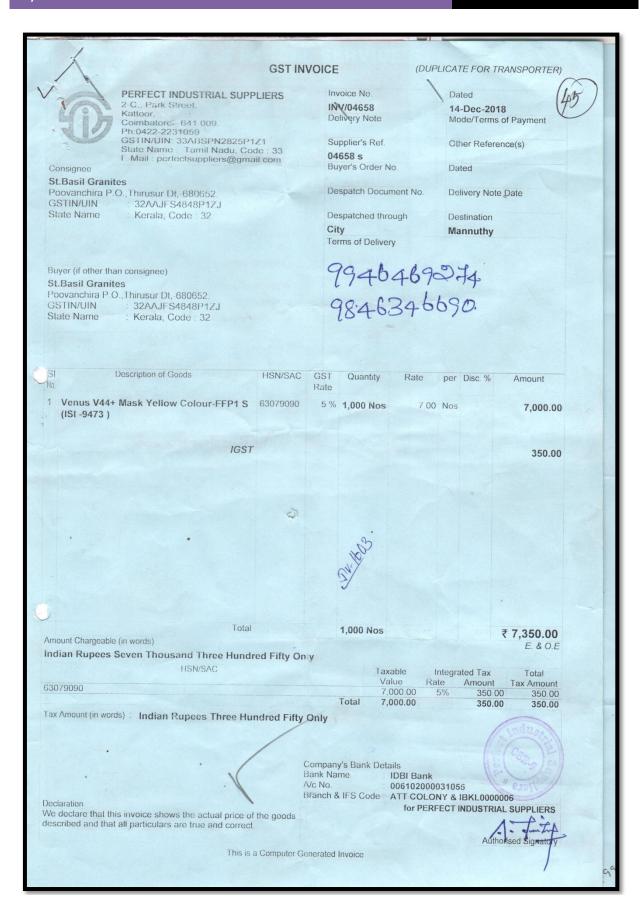


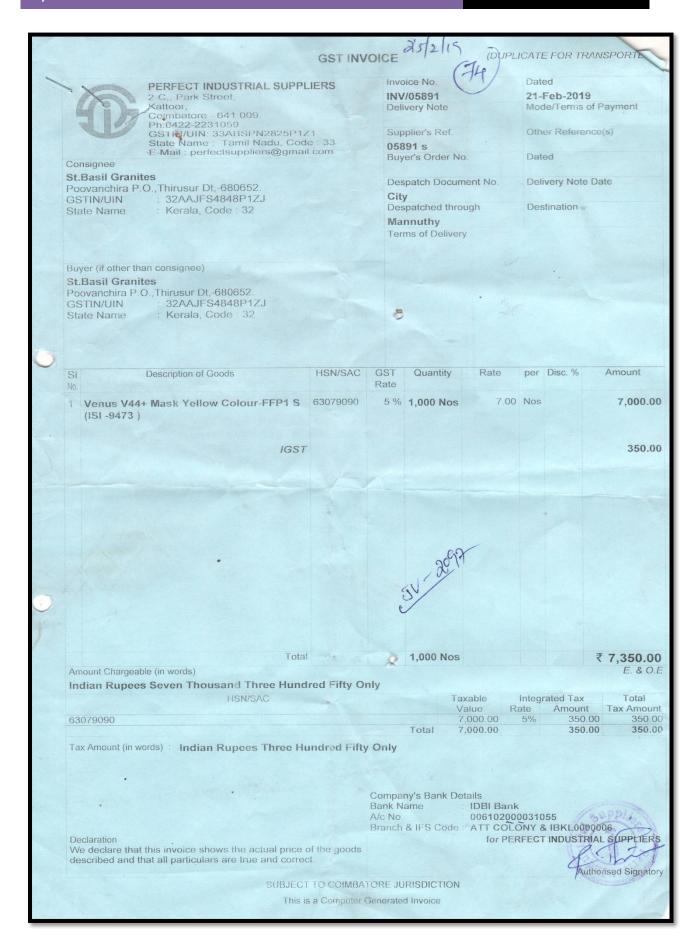
Certificate of Mining Mate













25/1454/1-2,KURUPPAM ROAD THRISUR-680001,Kerala GST: 32AAECE3740Q1ZH

Email: info@erkoma.com



PH:0487-2428921 Mob:9995736515,9746852474

GST RULES 2017 - TAX INVOICE (B2B) CATEGORY

INVOICE - Cash

Name & Add. Of Purchaser: [1372] ST.BASIL GRANITES

POOVANCHIRA PO, THRISSUR

Ph: 9946469274 GST: 32AAJFS4848P1ZJ

(55)

Date: 16/10/2018 01:48 PM Original for Recipient

51.	Erkoma Code	Item Description	HSN CODE	Unit	Qty	Net Amt	GST %	GST Amt	Total
1	10367	SAFETY HELMET RATCHET WHITE	6506	NOS	15.000	1906.77	18.00	343.22	2249.9
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	t Amt		1906.77 171.61			er Expenses			0
	ST ST		171.61		Rou	nd Off	:		0.
					To	tal(INR)	:		2250.

Remarks:

Prepared By

Checked By

08

For ERKOMA TOOLBOX PVT. LTD

Authorized Signatory

E & O E. All Transactions invoices are subject to Thrissur jurisdiction.

Goods once sold will not be taken back or exchanged.

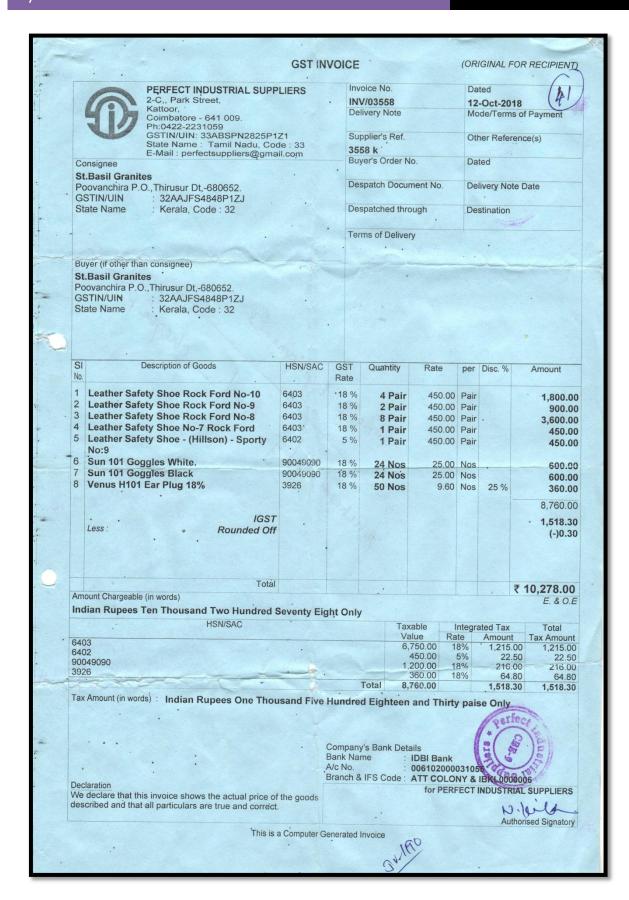
Bank Details: Federal Bank, Thrissur. A/C No:13680200010399 IFSC CODE: FDRL0001368

Bank Details: The South Indian Bank, Thrissur. A/C No:0086083000045167 IFSC CODE: SIBL0000086

Printed by ETB BILLING B1 at ETB-4

Page 1 of 1

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Date : 18/01/2019				1	Date &	Time of Supp	oly:	
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Personal Protective equipments



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 11th meeting held on 9th January 2013, 19th meeting held on 9th and 10th September 2013 and 21st meeting held on 4th 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/IC/993/2008

Date of issue :07/02/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No: PCB/DO/TSR/R4/442A/2018

Ref: 1. Your online application no.5545514 dated 29.06.2017.

2. Previous Consent No: PCB/DO/TSR/R3/ICO/442A/2016 dated 27.02.2016.

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 30/09/2020 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	Fee remitted	Rs.13260/-
2	Validity	30.09.2020

II. Stack Details

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

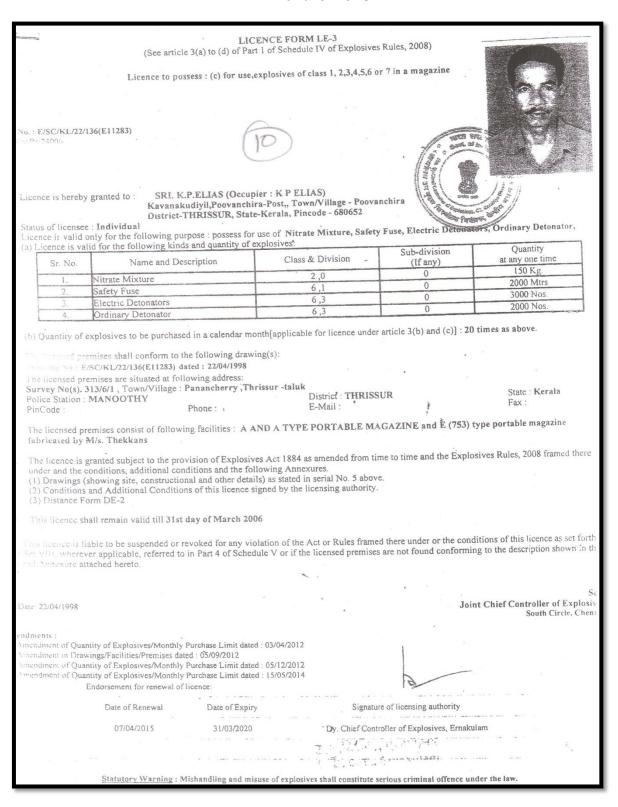
III. CONDITIONS

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

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

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.
- 5. 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



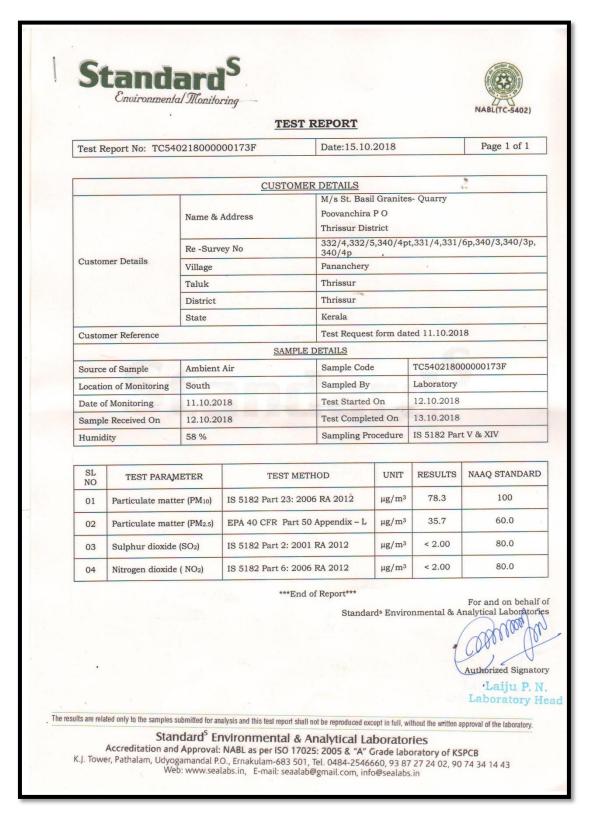
Lease order form Director of Mining and Geology

്പാണ <u>ഞ</u> േ	്ക് ശി ഗ്രാമപഞ്ചായത്ത്				
	പി ഓ ; തൃശ്ശൂർ ജില്ല; കേരളം				
ഫയൽ നമ്പർ B3 2028	ലൈസൻസ് നമ്പർ 146 / 2018-19				
1994 ലെ കേരള പഞ്ചായത്ത് രാ പ്രകാരവുംഅതേ ര	ാജ് ആക്റ്റ് (1994ലെ13) 232,233,234,235 എന്നീ വകുപ്പുകൾ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് കൊടുത്ത ഡി & ഒ ലൈസൻസ്				
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ലൈസൻസ് ഉടമസ്ഥന്റെ പേരും മേൽവിലാസവും	സെന്റ്. ബേസിൽ ഗ്രാനൈറ്റ്സ്				
	പൂവ്വൻചിറ പി. ഒ				
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ക്വാറി നടത്തുന്നതിന്				
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ലൈസൻസിന്റെ കാലാവധി	01/04/2018 മുതൽ 31/03/2019 വരെ				
ലൈസൻസ് ഫീസ്	9000				
ലൈസൻസ്	96697100003 തിയ്യതി 27/02/2018				
ബൈസസ അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങള് (നമ്പര്, <u>തിയ</u> തി,	സാനിറ്ററി സർട്ടിഫിക്കറ്റ് നമ്പർ C435/18 dated 05/05/2018 issued by PHC Vellanikkara Valid upto 05/05/2019				
കാലയളവ്, നൽകിയ അധികാര സ്ഥാനം					
ഓഫീസ് മുദ്ര Pin: 680 652	സെക്രട്ടറി , പാണഞ്ചേരി ഗ്രാമ് പ്രഞ്ചായത്ത്				
nted on07/05/201801:23 PM	Pananchery Grama Panchayat				

License from Gram Panchayat



Advertisement in two News paper regarding issue of EC order



Result of Air





TEST REPORT

Test Report No: TC540218000000175F	Date: 15.10.2018	Page 1 of 1
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	CUST	OMER DETAILS				
	Name & Address	M/s St. Basil Granites- Quarry Poovanchira P O Thrissur District				
Customer Details	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				
Customer Reference		Test Request Form Dated 11.10.2018				
	SA	MPLE DETAILS				
Source of sample		Ambient Noise Level				
Sample Code		TC540218000000175F				
Location of Monitoring		South Side				
Date of Monitoring	46	11.10.2018				

DAYTIME	RESULT	NIGHTTIME	RESULT	
06.00 Hrs	37.5 dB (A)	23.00 Hrs	33.2 dB (A)	
07.00 Hrs	40.2 dB (A)	00.00 Hrs 35.6 dB		
08.00 Hrs	44.5 dB (A)	01.00 Hrs 36.3 dB		
09.00 Hrs	48.0 dB (A)	02.00 Hrs	35.9 dB (A)	
10.00 Hrs	50.3 dB (A)	03.00 Hrs	36.6 dB (A)	
11.00 Hrs	53.4 dB (A)	04.00 Hrs	35.6 dB (A)	
12.00 Hrs	50.7 dB (A)	05.00 Hrs 37.3		
13.00 Hrs	49.9 dB (A)	RESULTS		
14.00 Hrs	50.3 dB (A)	RESULIS		
15.00 Hrs	50.7 dB (A)			
16.00 Hrs	51.9 dB (A)	Noise Level (Leq) Daytime	48.8 dB (A)	
17.00 Hrs	52.2 dB (A)	Noise Level (Led) Daytille	40.0 db (r)	
18.00 Hrs	46.8 dB (A)			
19.00 Hrs	43.3 dB (A)			
20.00 Hrs	39.5 dB (A)	Noise Level (Leg) Nighttime	35.9 dB (A)	
21.00 Hrs	39.0 dB (A)	Noise Level (Leq) Nighttime	33.9 db (A)	
22.00 Hrs	36.4 dB (A)			

End of Report

For and on behalf of Standards Environmental & Analytical Laboratories

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^s Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of Noise



TEST REPORT



Test Report No: TC540218000000174F Date: 15.10.2018 Page 1 of 1

	CUSTOM	ER DETAILS				
	Name & Address	M/s St. Basil Granites- (Poovanchira P O Thrissur District	Quarry			
Customer 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				
Customer Reference		Test Request form dated 11.10.2018				
	SAMPL	E DETAILS				
Sample Code	TC540218000000174F	Sample Received On	12.10.2018			
Sample Name	Water	Sampling Procedure				
Sample Description	Open Well	Sampling Location	adimbining.			
Identification By Customer		Sample Condition	Good			
Sampled On		Test Started On	12.10.2018			
Sampled By	Customer	Test Completed On	15.10.2018			

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2012	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2012		Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2012	NTU	0.60	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2012		6.99	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2012	mg/L	89.0	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025Part 21:2009 RA 2014	mg/L	34.7	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	8.16	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	3.48	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	19.8	250 (Max)
10	Total Alkalinity (as CaCO ₃)	IS 3025Part 23:1986 RA2014	mg/L	32.2	200 (Max)
11	Iron (as Fe)	IS 3025Part 53:2003 RA 2014	mg/L	0.21	1.00 (Max)
12	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	2.89	200 (Max)
13	Total Coli form Bacteria	IS 1622:1981 RA 2014		Absent/100 ml	Absent
14	E coli	IS 15185: 2016		Absent/100ml	Absent

End of Report

For and on behalf of

Authorized Signatory

Standards Environmental & Analytical Laboratories

Vidhyala Shmi Das

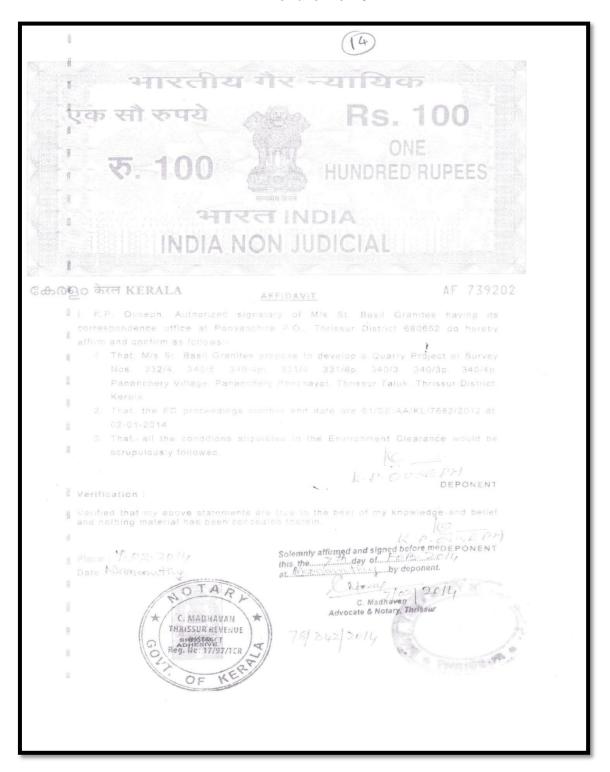
Laiju P. N.

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Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

Result of water



Affidavit



	NAYANAR PAIN & PALLIATIVE CARE CHARITABLE SOCIETY Reg. No. 265/2013 MANNUTHY, THRISSUR
No. 767 Received with thanks fr	Datet. /1.2/2018 RECEIPT com Sri/Smft. Couneed.
a sum of Rupees	Basil graniles, Poorandara
Rs. 10000B	Treasurer/Secretary

भारतीय स्टेट बेंक State Bank Of India (70253)-THRISSUR ADB GRACE SMART CITY PATTIKAD P O,THRISSUR 686852 Tel : 487 2283222 Fex : IFS Code : SBIN0070253 SWIFT :		केवल 3 महीने के लिए वैध (YALID FOR 3 MONTHS ONLY D D D M M Y Y Y Y
PAY KSEB OFFICERS ASSOCIATION	को य	ा उनके आदेश पर OR ORDER
THE RUPEES FIFTEEN RHOUSAND RUPHS ONLY		
अदा करें	₹	15,000/-
CASH CREDIT A/C PREFIX: 1515900001 MULTI-CITY CHEQUE Payable at Par at All Branches of SBI		TES MANAGING PARTNER Places sign above
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Receipts of CSR Activity