

# **COMPLIANCE REPORT**

**OCTOBER 2023 - MARCH 2024**

**M/S ST. GEORGE GRANITES**

**EC NO: 57/SEIAA/KL/7585/2012**

**DT. 15.03.2013**

**ERNAKULAM DISTRICT, KERALA**

## St. George Granites

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Date: 27-04-2024

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

**Ref :- File No. 57/SEIAA/KL/7585/2012**

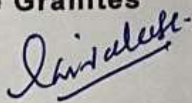
**Sub :- Environment Clearance – Quarry project at Marady Village,  
Marady Panchayath, Muvattupuzha Taluk, Ernakulam  
District, Kerala.– Compliance Report – Second half – Reg.**

**Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for **3.8164 Ha.** by order No. 57/SEIAA/KL/7585/2012 dated 15.03.2013 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second Half** (October 2023 – March 2024) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,  
Yours respectfully,

**For  
M/s St. George Granites**



Encl: - As Above

**Copy to : The Member Secretary**  
State Environment Impact Assessment Authority (SEIAA)  
Thiruvananthapuram.

**COMPLIANCE REPORT  
TO  
THE CONDITIONS  
OF**

**ENVIRONMENTAL CLEARANCE ORDER**

**NO: 57/SEIAA/KL/7585/2012**

**DATED ON: 15.03.2013**

*BY*

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

**FOR**

**BUILDING STONE QUARRY  
(MINOR MINERAL MINING) PROJECT**

*AT*

**SURVEY NO. 1094/1-A, 1094/1-A1, 1094/1-A6, 1097/7-A, 1097/6-B2,  
1101/3, 1097/7-B, 1097/6-A2, 1094/1-A27, 1097/6-B3, 1097/7-C2**

**MARADY VILLAGE, MARADY PANCHAYATH, MUVATTUPUZHA TALUK,  
ERNAKULAM DISTRICT, KERALA**

*BY*

**M/S St. GEORGE GRANITES  
ERNAKULAM DISTRICT, KERALA**

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## **INTRODUCTION**

The quarry project of **M/s St. George Granites** is situated at survey no. 1094/1-A, 1094/1-A1, 1094/1-A6, 1097/7-A, 1097/6-B2, 1101/3, 1097/7-B, 1097/6-A2, 1094/1-A27, 1097/6-B3, 1097/7-C2 Marady Village, Marady Panchayath, Muvattupuzha Taluk, Ernakulam District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 15.03.2013. As part of general condition No.25 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent.

The compliance report of Second half to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2023 – March 2024** is being submitted

# **COMPLIANCE REPORT**

## **(SPECIFIC CONDITIONS)**

### **PART A**

**PART - A – SPECIFIC CONDITIONS**

<b>01</b>	<b>The storm water should be channelized to a pit that has to be retained in the central area of the proposed mine.</b>
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***Compliance:***

As part of storm water management, the project proponent has constructed drain at entire mining area to channelize the storm water in to the existing pond in the site. The storm water drainage and its exit from the site are fully functional at all the time. A pit in the central area of the mine has developed. The photograph of the pit developed in the mine lease area is given below





02	<b>Indigenous varieties of horticultural crops having edible fruits should also be cultivated as part of eco-restoration.</b>
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**Compliance:**

The project proponent has planted various varieties of horticultural crops and fruit bearing trees in the project site as part of compensatory a forestation and concurrent eco restoration. The project proponent can plant various varieties as cultivation during the post closure of mine on the restored area. The extraction of minerals is being progressing in the project site.

# **COMPLIANCE REPORT**

## **(GENERAL CONDITIONS)**

### **PART B**

**PART – B – GENERAL CONDITIONS**

<b>01</b>	<b>Rain water harvesting to collect and utilize the entire water falling in land area should be provided.</b>
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**Compliance:**

As part of conservation of rain water, the proponent has constructed a rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The collected rain water is being used for irrigation purposes, watering of plants, wetting of roads, supply to public and for dust suppression system (mainly sprinklers system). The RWH facility can also act as a de-siltation pond or clarifier.

<b>02</b>	<b>Environment monitoring cell as agreed under the affidavit filed by the proponent should be formed and made functional.</b>
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**Compliance:**

Environmental Monitoring Cell (EMC) was formed with Mr. Kuriakose I. Mathai (proprietor of St. George Granites) as head and made functional. Meeting of monitoring cell regularly convenes and discussed the status of the compliance of the specific and general conditions contained in the Environmental Clearance (EC) order.

<b>03</b>	<b>Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.</b>
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**Compliance:**

The project proponent has planted many species along either side of the road constructed in the project site. Avenue trees can perform as dust regulation mechanism therefore the project proponent is intending to plant more saplings along the road side and parking area, where the vegetation is less. There are

natural vegetation including trees, shrubs and climbers growing in the sides of the tarred road and open parking areas.

<b>04</b>	<b>The project shall incorporate devices for solar energy generation and utilization wherever possible.</b>
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***Compliance:***

As part of reduce the consumption of energy from conventional sources, energy conservation and to use renewable energy, the project proponent has installed 3 solar street lights in the project site. The consumption from renewable energy reduces the energy from conventional sources.

<b>05</b>	<b>Sprinklers shall be installed and used in the project site to contain dust emissions</b>
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***Compliance:***

The emission of dust is a major adverse effect of a mining industry. To prevent dust emission, sprinklers are installed in the project site. This help to suppress dust during the time summer season. The project proponent has deployed a vehicle with water tanker to splash water on the mining area, haulage road and public road.

<b>06</b>	<b>The eco-restoration plan submitted with the proposal should be fully implemented.</b>
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***Compliance:***

The eco restoration plan prepared is being executed in a good manner. The project proponent has started to plant various saplings in and around the project site. The mining in the EC obtained area is under progress.

<b>07</b>	<b>Corporate social responsibility agreed upon by the proponent should be implemented</b>
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**Compliance:**

The project proponent has executed various activities under Corporate Social Responsibility of the firm. The main activities were under various sectors worth Rs. 4,44,150. The bill and vouchers against CSR activities done in this period is attached as **Annexure No.1.**

<b>08</b>	<b>Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that the falling of animals/human/belongings/dumping of garbage's etc. does not happen.</b>
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**Compliance**

As part of demarcation of lease area and to ensure safety, barbed metal wire fencing was installed around the mining area at 5ft height. This prevents the falling of animals/ human/dumping of garbage's etc, in to the mining area. The fencing maintains at all time.

<b>09</b>	<b>Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of explosive department.</b>
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**Compliance:**

Installation of warning alarm is mandatory as per the explosive department to provide warning regarding blasting to the nearby community and labors. A warning alarm has installed in the project area to attain this object. It is working properly prior to the blasting. A danger board is also installed which gives information about the blasting time to the general public. The photograph of the sign board mentioning blasting time is attached given below



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

One of the main sources of dust emission is roads. To reduce emission of dust, the access road from the entrance of project site to quarry is tarred and tiled. The project is spraying water on the road to arrest the dust during summer season. The project proponent is maintaining access road to the quarry in good condition for dust emission. The photograph of the tiled approach road is given below





11	<b>Overburden material should be managed within the site and the old quarries, if any, should be reclaimed and restored</b>
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**Compliance:**

The project converted a slope area into terraces by systematically dumping the overburden. To prevent soil erosion this has been covered with a *geotex* coir mat and planted grass. As part of eco-restoration, the project is intending to plant various saplings and medicinal plants on the prepared terrace area. All overburden generated from the mining area is managed within the site.

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

The volume of extracted minerals was low therefore the benches are being developed as benches. All mining activities are progressing under the supervision of qualified personnel. To enhance safety and to make environment

friendly quarrying, the excavation activity in the projects progresses by creating benches of 5m width x 5m height. The copy of certificate of First class manager is attached at **Annexure No2**. The photograph of the mining area is attached below



13	<b>Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.</b>
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**Compliance:**

The project proponent is using blasting mats to reduce fly rocks during the time of blasting. The project proponent is using NoNEL technology for blasting therefore the problem with fly rock in the community is nil. The project can also assure the maximum PPV is under 10 with the controlled blasting operations under the supervision of qualified persons.

14	<b>Mining depth should not exceed beyond 40m, unless otherwise specifies or not below the level of nearest stream bed whichever is less.</b>
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**Compliance:**



The exploration of building stone has been maintained as 40 m MSL in the mining area as agreed in the proposal. To ensure this, the project appointed second class manager and mining mate as qualified personals to supervise the mining activities. The all activities of these qualified persons is being under the supervision and monitoring of Environment Monitoring Cell.

<b>15</b>	<b>Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of greenbelt and hollow brick envelope for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB</b>
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***Compliance:***

To reduce the impact of sound to the labours in the unit, the project has provided ear plugs. Vegetation around the mining area helps to reduce noise and air pollution. This helps the noise level kept within prescribed standards as per CPCB/KSPCB standards. The project proponent is trying to enhance the vegetative cover by planting more tree saplings. The project is regularly monitors the ambient noise level at the project site by an approved laboratory.

<b>16</b>	<b>Assurance in the form of affidavit should be given to SEIAA that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.</b>
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***Compliance:***

Assurance in the form of affidavit was already submitted to SEIAA Kerala after getting the Environmental Clearance. co restoration in the mining plan and mine closure plan will be done the own cost of the project proponent.

<b>17</b>	<b>Garland drains to be provided in the lower slopes around the core area to channelize storm water.</b>
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**Compliance:**

To channelize the storm water falling in the mine lease area, the proponent has constructed garland drain around the project site in the lower slopes. This drain leads to the de siltation traps, which is situated at the lowest portion of the project site.

<b>18</b>	<b>Debris/ silt traps to be provided to prevent entry of dust and quarry wastes entering the main streams.</b>
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**Compliance:**

As part of effective storm water management, the project proponent has constructed storm water drains in the lower slopes of the project area. This helps to channelize the storm water to the rain water collection pond and the most of the debris is settling down in the bottom of the pond. The project proponent has constructed de siltation traps in the lower slopes of the project area for storm water management to prevent the quarry waste from the site to the mainstreams.

<b>19</b>	<b>All other statutory clearances should have been obtained as applicable, by the project proponents from the respective competent authorities that for blasting and storage of explosives.</b>
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**Compliance:**

All statutory approvals required for the quarrying activity is obtained. The copy of the approvals obtained is provided at **Annexure No. 3, 4, 5, 6 & 7.**

**Table 1- The details of statutory approvals**

<b>Name of the Statutory approval</b>	<b>Name of the Statutory authority</b>
<b>"Consent to Operate"</b>	Kerala State Pollution Control Board
<b>Environmental Clearance order</b>	State Environmental Impact Assessment Authority, Kerala

<b>Explosive License</b>	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
<b>License for quarry operations</b>	Gram Panchayat
<b>Lease order</b>	Directorate of Mining and Geology

<b>20</b>	<b>In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this authority.</b>
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**Compliance:**

The project proponent is working in the mine lease area which is within the EC obtained area. There is no change in the scope of the project. The project proponent will seek for a fresh Environmental clearance In the case of any change(s) in the scope of the project.

<b>21</b>	<b>The authority reserved the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.</b>
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**Compliance:**

If the authority instructs to add additional safeguard measures subsequently for enhancing safety and eco friendly mining, the project proponent will be complied with.

<b>22</b>	<b>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</b>
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	<b>(Protection) Act, 1986, the public liability (Insurance) Act, 1991 and EIA notification, 2006.</b>
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**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

<b>23</b>	<b>The project proponent should advertise in at least two local newspapers widely circulated in the region. One of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters area available with the Department of Environment and climate change, Govt. of Kerala and may also be seen on the website of the authority at <a href="http://www.seiaaKerala.org">www.seiaaKerala.org</a>. The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the office of this authority as confirmation.</b>
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**Compliance:**

An advertisement in two news paper regarding the accordance of environmental clearance to the quarrying activity was given within stipulated period and the copy of the same was submitted to SEIAA.

24	<b>A copy of the clearance letter shall be sent by the proponent to concerned Gram Panchayat / District Panchayat / 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 clearance letter shall also be put on the website of the company by the proponent.</b>
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**Compliance:**

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

25	<b>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.</b>
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**Compliance:**

The compliance report is being regularly submitted to the Regional Office of MoEF&CC, Govt. of India and State environment Impact Assessment Authority, (SEIAA) Kerala, as e mail. The result of monitored data is provided in compliance report. The monitored results are attached as **Annexure No. 8 9 &10.**

26	<b>The conditions of the environmental clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font size of not less than 40.</b>
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***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.

27	<b>The proponent shall provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.</b>
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***Compliance***

An affidavit stating that all the conditions stipulated in the Environmental clearance will be scrupulously followed was submitted to State Environmental Impact Assessment Authority.

# ANNEXURE

Annexure No.1.


CSR Details



## Compliance Report

OCTOBER 2023 TO MARCH 2024				
SECTOR	DATE	ACTIVITIES	BENEFICIARIES	AMOUNT SP
HEALTH	17-10-2023	DONATION OF FOOD PROVISIONS	CHRIST SEVENTS MINISTRIES TRUST	1500
	17-11-2023	DONATION OF FOOD PROVISIONS	AASRAYAM CHARITABLE SOCIETY	1500
	27-12-2023	DONATION OF FOOD PROVISIONS	SARANA OLDAGE HOME	1000
	01-02-2024	DONATION OF FOOD PROVISIONS	LIFE MISSION CHARITABLE TRUST	2500
	23-02-2024	DONATION OF FOOD PROVISIONS	VADAYAMPADY KOTTARAM	10000
	04-03-2024	DONATION OF FOOD PROVISIONS	CHRIST SEVENTS MINISTRIES TRUST	500
	29-11-2023	TREATMENT SUPPORT	HEMALATHA MATTATHIL	5000
	19-12-2023	TREATMENT SUPPORT	SALIM K M	10000
	03-02-2024	TREATMENT SUPPORT	MOTHER CHARITABLE TRUST	50
	05-03-2024	TREATMENT SUPPORT	BABU KALLUMKUDIYIL	10000
	02-03-2024	TREATMENT SUPPORT	KERALA CULTURAL CENTRE	10000
	24-03-2024	TREATMENT SUPPORT	ANIL KUMAR	5000
	28-03-2024	TREATMENT SUPPORT	AJEEB	25000
	30-03-2024	TREATMENT SUPPORT	SANNIDHYA CHARITABLE TRUST	1000
MARRIAGE	24-10-2023	MARRIAGE		20000
	31-10-2023	MARRIAGE		15000
	16-11-2023	MARRIAGE		5000
	18-11-2023	MARRIAGE	ANIJA JAEMON	3000
	18-11-2023	MARRIAGE		10000
	14-02-2024	MARRIAGE	RAJAN C V&JAYAS JOHN	10000
CULTURE	06-01-2024	DONATION FOR TEMPLE	POOTHRIKKA SREEKRISHNA TEMPLE	7900
	16-02-2024	DONATION FOR TEMPLE	MAHISHASURA MARDINI TEMPLE KAYANADU	15000
	05-03-2024	DONATION FOR TEMPLE	MARADY THRIKKA MAHADEVA TEMPLE	10000
	05-03-2024	DONATION FOR TEMPLE	SREE MAHADEVA TEMPLE PALACKAMATTOM	5000
	12-03-2024	DONATION FOR TEMPLE	MARADY BHAGAVATHY TEMPLE	15000
	19-03-2024	DONATION FOR TEMPLE	BALA SUBRAMANYA SWAMI TEMPLE PALACKAMATTOM	5000
	21-03-2024	DONATION FOR TEMPLE	THIRIPUNITHURA TEMPLE	10000
	24-03-2024	DONATION FOR TEMPLE	SREE KHORAMKUNNATHU BHAGAVATHY TEMPLE KINGINIMATTOM	5000
	01-11-2023	DONATION FOR CHURCH	STGEORGE ORTHODOX SYRIAN CHURCH KADAMATTOM	150
	03-12-2023	DONATION FOR CHURCH	STGEORGE YACOBAYA SURIYANI CHURCH KAYANADU	50000
	11-12-2023	DONATION FOR CHURCH	STGEORGE YACOBAYA SYRIYANI CHURCH KARINGACHIRA	1000
	13-12-2023	DONATION FOR CHURCH	STMARYS ORTHODOX SYRIYANI CHURCH POOTHRIKKA	1000
	16-12-2023	DONATION FOR CHURCH	STMARYS YACOBIT SYRIAN CHURCH POOTHRIKKA	1000
	16-12-2023	DONATION FOR CHURCH	ST PETERS & ST PAULS ORTHODOX SYRIAN CHURCH KOLENCHERY	1000
HOUSING	24-12-2023	DONATION FOR CHURCH	ST PETERS & ST PAULS JACOBITE SYRIAN CHURCH KOLENCHERY	1000
	24-12-2023	DONATION FOR CHURCH	STGEORGE SYRIAN CHURCH KADAMATTOM	300
	07-01-2024	DONATION FOR CHURCH	STMARYS YACOBIT SYRIAN CHURCH POOTHRIKKA	3000
	21-01-2024	DONATION FOR CHURCH	STMARYS YACOBAYA SURIYANI CHAPPEL THAMMANIMATTOM	10000
	26-01-2024	DONATION FOR CHURCH	STMARYS ORTHODOX SYRIAN CATHREEDAL	500
	11-02-2024	DONATION FOR CHURCH	VATTASSERIL MAR DEEVANNASIYOS CATHOLICATE CENTRE	500
	09-03-2024	DONATION FOR CHURCH	STPETERS&STPAULS ORTHODOX SYRIAN CHURCH KOLENCHERY	2400
	27-03-2024	DONATION FOR CHURCH	STMARYS ORTHODOX SYRIYANI CHURCH PIRAVOM	2500
	04-10-2023	LIFE MISSION HOUSE MARADY	ABEESH SALU OORAMANA	8000
	11-10-2023	LIFE MISSION HOUSE MARADY	RADHA MARADY	8000
	30-10-2023	LIFE MISSION HOUSE MARADY	AYYAPPAN V C	7500
	06-11-2023	LIFE MISSION HOUSE MARADY	ARUN E K	7500
	03-12-2023	LIFE MISSION HOUSE MARADY	SREEDEVI RAJU	7500
	09-02-2024	LIFE MISSION HOUSE MARADY	BIJESH M V	7500
	20-02-2024	LIFE MISSION HOUSE MARADY	SITHARA MARADY	7000
	27-02-2024	LIFE MISSION HOUSE MARADY	ELIZABATH ALIAS	7500
	27-02-2024	LIFE MISSION HOUSE MARADY	SHYLAJA M N	7500
	29-02-2024	LIFE MISSION HOUSE MARADY	VISHNU A S MARADY	6500
	30-03-2024	LIFE MISSION HOUSE MARADY	MARKOSE KAYANADU	8000
WELFARE	30-03-2024	LIFE MISSION HOUSE MARADY	BIJU V K MARADY	7000
	30-03-2024	LIFE MISSION HOUSE MARADY	ALEYAMMA CHACKO PIRAMADOM	7500
	30-03-2024	LIFE MISSION HOUSE MARADY	RADHA V P MARADY	8000
	29-11-2023	DONATION	PRABHAKIRAN NATIONAL FOUNDATION	500
	10-12-2023	DONATION	TICK SEVEN ARTS & SPORTS CLUB	1000
	11-12-2023	DONATION	ASSOCIATION OF AUTOMOBILE WORKSHOPS KERALA	3000
	07-01-2024	DONATION	SWADESI READING CLUB THAMMANIMATTOM	5000
	10-01-2024	DONATION	BROOKSIDE CLUB KOLENCHERY	5000
	05-03-2024	DONATION	INTERNET DTP PHOTOSTAT WORKERS	2500
	12-03-2024	DONATION	KERALA KARSHAKA SANGHAM	1350
	12-03-2024	DONATION	KERALA KARSHAKA SANGHAM	2500
EDUCATION	13-02-2024	DONATION	OORAMANA SCHOOL	15000
	13-03-2024	DONATION	RAMAMANGALAM LP SCHOOL VIKASANA SAMATHI	10000
			TOTAL	444150

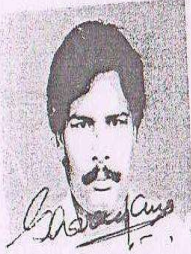
## ANNEXURE No. 2

  
 खान अधिनियम 1952  
 THE MINES ACT 1952

प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र धातुउत्पादक खान के प्रबंध हेतु  
**MANAGER'S FIRST CLASS CERTIFICATE OF COMPETENCY TO MANAGE A METALLIFEROUS MINE**  
 (धातुउत्पादक खान विनियम, 1961 के अन्तर्गत)  
 (Under the Metalliferous Mines Regulations 1961)

पी. पांडीयन ✓  
 जिनको जन्म तिथि 27 ~ 11 ~ 1962 है, विनियम 18 के अन्तर्गत अनुमोदित खनन अभियांत्रिकी में डिप्लोमा प्राप्त करने पर एवं दिनांक नवम्बर, 1997 को आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्द्वारा धातुउत्पादक खान के प्रबंध हेतु प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है।  
 यह प्रमाण-पत्र 09 ~ 06 ~ 1998 से प्रभावी समझा जाएगा।  
 पी. पांडीयन ✓

born on 27<sup>th</sup> November, 1962 ✓ possessing a Diploma  
 in Mining Engineering approved under Regulation 18 and having passed the prescribed examination held on November, 1997 is hereby granted MANAGER'S FIRST CLASS CERTIFICATE OF COMPETENCY to manage a metalliferous mine. This Certificate is effective from 09 ~ 06 ~ 1998 ✓


  
 सदस्य  
 खनन परीक्षा बोर्ड  
 Members of the Board of  
 Mining Examinations.  
 Signed and Sealed  
 Date: 19  
 9 6 APR 1998

CERTIFIED THAT THIS IS THE  
 TRUE COPY OF THE ORIGINAL  
 96  
 01/06/2019  
 अध्यक्ष  
 खनन परीक्षा बोर्ड  
 Chairman of the Board of  
 Mining Examinations

KUMARI JAYA.N.  
 ADVOCATE & NOTARY  
 Reg.No. 106 / 97 / EKM.  
 KOLENCHERY - 682 311  
 KERALA - INDIA

## Certificate of First class manager

## ANNEXURE No. 3



**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. : PCB/EKM/DOH/ICO-R/R15ERNA1292319/2023  
Date of issue : 15/07/2023

**INTEGRATED CONSENT TO OPERATE - RENEWAL**

Consent No : PCB/EKM/DOH/ICO-R/18565688/2023

Ref : Consent No : R15ERNA1292319 Date of issue : 16/04/2018 Valid upto 30.06.2023.

The 'Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY KURIAKOSE I MATHAL MARADY, MUVATTUPUZHA is hereby renewed up to 09/10/2026 and issued to M/s QUARRY OWNED BY KURIAKOSE I MATHAL MARADY, MUVATTUPUZHA. 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	CATEGORY	RED
2	CAPITAL INVESTMENT	Rs.95.55 LAKHS
3	ANNUAL FEE	Rs. 22,000/-
4	FEE REMITTED	Rs. 11,0000/-
5	SURVEY NUMBERS	1094/1-A 1094/1-A1 1094/1-A6 1097/7-A 1097/6-B2 1101/3 1097/7B 1097/6-A2 1094/1-A27 1097/6-B3 1097/7-C2
6	VALIDITY	09/10/2026

**II. Stack Details**

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

**III. CONDITIONS**

Page 1



3.1 For renewal of the consent in case of continuance of operation of the quarry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 2 months prior to the date of expiry. Late application will be accepted only with fine.

3.2 This consent is granted based on the Circular no: PCB/HO/CIRCULAR/51/2019 dated 04 /05/2022 and letter of the Geologist dated 13.07.2023. The quarrying shall be done after obtaining all statutory/ necessary clearances from concerned authorities and is valid only when all other clearances from other concerned authorities are valid.

3.3 The consent issued from the board is only with respect to the powers vested under the water Act 1974, Air Act 1981 and The Rules there under. The operation of the quarry shall be commenced only after obtaining clearances from all concerned Authorities.

3.4 There shall not be any quarrying activity between 6 pm to 6 am.

3.5 Mining activities shall be done only in the area marked by Mining & Geology.

3.6 The PM10 in ambient air at the boundary shall not exceed 100 microgram/m<sup>3</sup>

3.7 The PM 2.5 in ambient air at the boundary shall not exceed 60 microgram/m<sup>3</sup>

3.8 The sound level (L<sub>eq</sub>) at 1 m outside the boundary of the site should not exceed the ambient noise Standard applicable to the adjoining areas.

3.9 Conditions given in the Environmental clearance shall be strictly complied with.

3.10 Mining shall be only done as per the mining plan attached with EC.


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

Digitally signed by  
Sajeesh Joy  
Date: 2023.07.15  
16:39:22 +05'30'

**Sajeesh Joy**

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER, DO2, EKM

DATE :15/07/2023



**To**  
Sri. KURIAKOSE I. MATHAI  
PROPRIETOR  
M/s. QUARRY OWNED BY KURIAKOSE I MATHAI  
MARADY  
MUVATTUPUZHA

Page2

**Renewed consent to operate**

## Annexure No.4



**Proceedings of the State Environment Impact Assessment Authority Kerala**  
 Present: Dr. A.E. Muthunayagam, Chairman; Prof. (Dr.) K.P. Joy, Member; Sri. James Varghese IAS, Member Secretary

Sub: SEIAA Kerala - Proposed quarry project in Survey Nos. 1094/1-A, 1094/1-A1, 1094/1-A6, 1097/7-A, 1097/6-B2, 1101/3, 1097/7-B, 1097/6-A2, 1094/1-A27, 1097/6-B3, 1097/7-C2 at Marady Village, Marady Panchayath, Muvattupuzha Taluk, Ernakulam District, Kerala by M/s St. George Granites – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

**Environmental Clearance**

No. 57/SEIAA/KL/7585/2012

dated, Thiruvananthapuram 15-03-2013

**ORDER**

The Proprietor of M/s St. George Granites, vide their application received on 14-11-2012, has sought environmental clearance under the EIA Notification, 2006 for the quarry project at Marady Village, Marady Panchayath, Muvattupuzha Taluk, Ernakulam District, Kerala. 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 10<sup>th</sup> meeting held on 26<sup>th</sup> and 27<sup>th</sup> November 2012 and also in the 12<sup>th</sup> meeting held on 2<sup>nd</sup> February, 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.

It is interalia, noted that the project comes under the Category B, Activity 1(a) of Schedule of EIA Notification 2006. The proposed project site falls within 9°57' N and 76°32' E. The proposed project is for quarrying of 2,29,000 TPA of building granite stone from an area of 3.8164 hectare (38,147.66 m<sup>2</sup>) of land. The expected life of mine will be 11 years. The proposed project activity involves about 70% 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/ground water recharge and will be utilized for domestic/agricultural purposes. The proposed project does not involve any underground mining activities. The mining will be done by open cast semi mechanised method of mining. The bench height and width proposed is 5 m. The exploitation of mineral is being done from 155-40 m RL in conceptual phase. A total quantity of 19,050 m<sup>3</sup> of top soil from two pits will be removed during the mining operations. The top soil will be utilized for green belt development/plantation and will also be utilized for filling the low lying areas or adjacent quarry site. The sewage of 0.8 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. The daily water requirement of 5 KLD will be met from storm water / bore well. There will be fugitive emissions generated during material handling, transportation, loading, unloading, etc. that are proposed to be managed by regular water sprinkling on haul road, green belt development, avoiding overloading of vehicles and limiting the speed of the vehicles. The mineral produced from the proposed mine will be sent to the crusher plant located at around 15 km towards west at Palakkamattom for crushing it to the required size before dispatching it to end use.

The SEIAA considered the proposal in its 13<sup>th</sup> meeting held on 13<sup>th</sup> December 2012 and 15<sup>th</sup> meeting held on 22<sup>nd</sup> February 2013. The SEIAA, after due consideration of the relevant documents and additional clarifications submitted by the project proponent, and in view of the recommendations of SEAC, approved for issuance of Environmental Clearance for the project mentioned above at its 15<sup>th</sup> meeting held on 22<sup>nd</sup> February 2013. Accordingly, the State Level Environment Impact Assessment Authority (SEIAA) Kerala constituted by Govt. of India vide Notification No. S.O. 2484(E) dt.3-11-



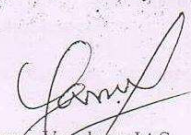
2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the above project as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent amendments and also under the provisions made in the O.M. No. L-11011/47/2011-IA.II(M) dated 18<sup>th</sup> May 2012 of the Ministry of Environment and Forests, Government of India, and further subject to strict compliance of the following specific conditions, and the general conditions contained in the Annexure, which shall also form a part of this document.

1. The storm water should be channelized to a pit that has to be retained in the central area of the proposed mine.
2. Indigenous varieties of horticultural crops having edible fruits should also be cultivated as part of eco-restoration.

Compliance of the above conditions will be monitored by the Directorate of the Department of Environment and Climate Change, Government of Kerala or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Government of India located at Bangalore. Necessary support for entry and inspection should be provided by the project proponent to the staff of the Directorate and Ministry for monitoring purposes.

**The given address of correspondence of the Authorized Signatory of the project is:-** Mr. Kuriakose I. Mathai, Proprietor, M/s St. George Granites, Palackamattom, Kinginimattom P.O., Kolenchery, Kerala – 682311; Telephone No: 0484-2760208.

**Agency with NABET accreditation for EIA is:-** M/s Enkay Enviro Services, 24-B, Basement, Dadu Marg, Gopal Bari, Jaipur-302001; Tel. No. 0141-2363996/4023996; Fax No: 0141-5118996; E-mail: info@enkayenviro.com

  
 Y/o James Varghese IAS  
 Member Secretary, SEIAA  
 and Principal Secretary to Government  
 Environment Department

To

✓ Mr. Kuriakose I. Mathai  
 Proprietor  
 M/s St. George Granites  
 Palackamattom, Kinginimattom P.O.  
 Kolenchery, Kerala – 682311.

Copy to :

1. The Principal Secretary, Environment Dept., Government of Kerala, Secretariat
2. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm – 24.
3. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
4. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034
5. Chairman and Members of SEIAA Kerala
6. Chairman, SEAC Kerala
7. Website uploading
8. Stock file



Annexure

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA  
GENERAL CONDITIONS (for mining projects)**

- (i) Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization wherever possible.
- (v) Sprinklers shall be installed and used in the project site to contain dust emissions.
- (vi) The eco-restoration plan submitted with the proposal should be fully implemented.
- (vii) Corporate Social Responsibility agreed upon by the proponent should be implemented.
- (viii) Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that falling of animals/human/belongings/dumping of garbages etc. does not happen.
- (ix) Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
- (x) Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
- (xi) Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.
- (xii) Height of benches should not exceed 5 m and width should not be less than 5 m.
- (xiii) Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.
- (xiv) Mining depth should not exceed beyond 40 m, unless otherwise specified or not below the level of nearest stream bed, whichever is less.
- (xv) Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB.
- (xvi) Assurance in the form of affidavit should be given to SEIAA that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
- (xvii) Garland drains to be provided in the lower slopes around the core area to channelize storm water.
- (xviii) Debris/ silt traps to be provided to prevent entry of dust and quarry wastes entering the main streams.



- (xix) All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xx) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xxi) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xxii) 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.
- (xxiii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which 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](http://www.seiaakerala.org). The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the office of this Authority as confirmation.
- (xxiv) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ 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 clearance letter shall also be put on the website of the company by the proponent.
- (xxv) The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard 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 to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxvi) The conditions of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.
- (xxvii) The proponent should provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.

Sd/-  
Member Secretary, SEIAA Kerala

### EC order



## ANNEXURE No. 5

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

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

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

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

**अनुज्ञप्ति सं. (Licence No.): E/SC/KL/22/898(E41970)**  
वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to  
**Shri Kuriakose.I.Mathai (अधिभोगी / Occupier : Kuriakose I.Mathai)**, Ithunickal House,  
Kinginimattom P.O.-682311, Kolenchery Taluk, District: Ernakulam (Kerala), Town/Village -, District-,  
State-, Pincode - 682311

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Individual**

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए  
विधिमान्य है। : possess for use of **Nitrate Mixture, Safety Fuse,**  
Licence is valid only for the following purpose. **Detonators, - के उपयोग के लिए**

4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।  
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	125 Kg.
2.	Safety Fuse	6,1	0	3500 Mtrs
3.	Detonators	6,3	0	4000 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए] : **20 times as above.**

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है।  
रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/898  
The licensed premises shall conform to the following drawing : (E41970)  
(s): दिनांक (Dated) 19/11/2007

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:  
Survey No(s). **1094/1A**, ग्राम (Town/Village) : **Marady Village, Munnar Taluk, District : Ramangalam**  
जिला (District) **ERNAKULAM** पुलिस थाना (Police Station) : **Ramangalam**  
राज्य (State) **Kerala** पिनकोड (Pincode)  
दूरभाष (Phone) **ई. मेल (E-Mail)** फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।  
A set of G(Sr.No.765) & G (Sr.No.766) type Portable  
The licensed premises consist of following : **Magazines (Mfd by m/s Nobel Engg&Fab.Unit,Cochin) & one no of D type magazine mfd by thekkans engg and fabrication works**

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।  
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।  
Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
  2. अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।  
Conditions and Additional Conditions of this licence signed by the licensing authority.
  3. दूरी प्ररूप DE-2 | Distance Form DE-2.
9. यह अनुज्ञप्ति तारीख 31 मार्च 2009 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2009.

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

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

Sd/-

तारीख | The Date - 19/11/2007

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

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 02/03/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 30/12/2011
- Amendment in Drawings/Facilities/Premises dated : 30/08/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 18/12/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal


नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
21/03/2019	31/03/2024	Dy. Chief Controller of Explosives, Ernakulam
		कृते उप मुख्य विस्फोटक नियंत्रक For Deputy Chief Controller of Explosives एरनाकुलम Ernakulam

**कानूनी चेतावनी :** विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दांडिक अपराध होगा।

**Statutory Warning :** Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

## License to possess and use of Explosives

## ANNEXURE NO. 6

  
 മഹാശ്വേദനാചാര്യൻ നീതി  
 [1994ലെ കെ.ജി.എസ്. നിയമം (13) 232, 233, 234, 254 പ്രകാരം] നിയമിച്ച  
 അംഗീകൃത പട്ടണങ്ങൾ അനുബന്ധം  
 പട്ടണങ്ങൾ, പട്ടണങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സൗകര്യങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന  
**ലൈസൻസ്**  
 നമ്പർ : 400663/RPTL20/GPO/2023/1462 തീയതി : 19.07.2023

ലൈസൻസിന്റെ പേരും വർഗ്ഗം	കെട്ടിടങ്ങൾക്ക് ഉപയോഗിച്ച്, ഇന്റർനെറ്റ് (വീടിന്, കിണറിനടിയിൽ) പ.ജി.ഒ.കാലാവസ്ഥയിൽ	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥാനവും	സെന്റർ റോഡ് കോവി	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കോവി നിയന്ത്രണങ്ങൾ	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	സെൻറർ നം : 1097/7A, 1097/7B, 1097/7C2, 1097/6A2, 1097/6B2, 1097/6B3, 1094/1A-1	
ലൈസൻസ് കാലാവധി	01-07-2023 മുതൽ 31-03-2024 വരെ	
ഇപ്പോഴത്തെ ലൈസൻസ് ഫീസ്	₹15000	സെൻ്റ നം: 1220105348 തീയതി: 25-03-2023
തൊഴിലിടം	₹1250 + ₹1250	സെൻ്റ നം: 1220105348 തീയതി: 25-03-2023
ലൈസൻസ് അനുബന്ധമായി നൽകിയിട്ടുള്ള വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാരവാദനം)	1. കെട്ടിടങ്ങൾ നിയന്ത്രണ സെൻ്ററിൽ ഉൾപ്പെട്ടതല്ല. CONSENT NO: PCB/EKM/DGII/CO-R/18565688/2023. ISSUED DATE 15/07/2023. VALIDITY UP TO 09/10/2026. 2. കെട്ടിടങ്ങൾക്ക് പീപ്പർ റോഡ് മുതൽ പ്രവേശിക്കുന്ന അനുബന്ധം E/SC/KL/22/898(E41970) VALID UP TO 31/03/2024 ISSUED ON 21/03/2019. 3. കെട്ടിടം & മിതമായ വാക്വിയൻസ് അനുബന്ധം NO.417/2017-18/7839/M3/2015/DMG DATED 05/10/2017. 4. ഗവൺമെൻ്റ് ഓഫീസ് അനുബന്ധം അനുബന്ധം NO.57/SE/IA/KL/7582/2012 DATED 15/03/2013. 5. പട്ടണത്തിൽ അനുബന്ധം അനുബന്ധം അനുബന്ധം.	

Digitally signed by LJO JOHN  
 Date: 2023.07.19 15:42 IST  
 Reason: LGMS Govt. of Kerala  
 സെക്രട്ടറി  
 മഹാശ്വേദനാചാര്യൻ

## License from Gram Panchayat





the lessee shall fence the quarry and take all necessary precautions for preventing accidents by falling of human beings, animals, vehicles or any materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.

11. The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties including government puramboke land while carrying out quarrying operations.
12. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by them.
15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
16. The lessee shall produce scheme of mining before completion of five years of operation of the quarry.
17. The lessee shall produce a financial guarantee for Rs. 1,00,000/- (Rupees one lakh only) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
19. The lessee shall carryout mining operations as per the approved mining plan.
20. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.

The terms and conditions stated in this order will be subject to such further modifications as may be made by the State Government from time to time.


Sd/-  
T.K. Ramakrishnan  
DIRECTOR OF MINING & GEOLOGY (I/C)

To  
Shri. Kuriakose I Mathai, Ithoonickal House, Kinginimattom. P. O,  
Ernakulam District - 682 311 and Proprietor, M/s. St. George Granites,  
Kinginimattom. P.O

Copy to:

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

(BY ORDER)  
*[Signature]*  
05/10/2017  
SENIOR SUPERINTENDENT



### Lease order from Directotre of Mining and Geology



## ANNEXURE No. 8



## TEST REPORT

Test Report No: 20221115/R059	Date: 12-11-2023	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	<b>M/s St.George Granite</b> Propriator Kuriakose I Mathai Ethoonickal (H), Kinginimattom, Kolenchery, Ernakulam District
Customer Reference	Test Request dt : 02-11-2023

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20221115/S059
Sample Name	Ambient Air	Sample Received on	08-11-2023
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	08-11-2023
Sampled by	Lab Authorized Sampler	Test Completed on	10-11-2023

DETAILS OF SAMPLING			
Sampling Location	Near East Side Boundary	Date of Sampling	06-11-2023
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	68%

SAMPLING SITE DETAILS			
Survey No	1094/1A, 1094/1A1, 1094/1A6, 1094/1A27, 1097/6A2, 1097/6B2, 1097/6B3, 1097/7A, 1097/7B, 1097/7C2, 1101/3		
Village	Maradi	Taluk	Muvattupuzha
District	Ernakulam	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
1	Particulate Matter, PM <sub>10</sub>	IS 5182 (Part 23):2006	µg/m <sup>3</sup>	57.2	Max 100
2	Particulate Matter, PM <sub>2.5</sub>	EPA 40 CFR (Part 50)Appendix – L	µg/m <sup>3</sup>	22.5	Max 60
3	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001 RA 2017	µg/m <sup>3</sup>	2.90	Max 80
4	Oxides of Nitrogen as NO <sub>2</sub>	IS 5182 (Part 6): 2006 RA 2017	µg/m <sup>3</sup>	< 2.00	Max 80

Remarks:

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

**Shency Joy**  
**Dy.TM-Chemical**  
Checked by:



**Laiju P.N.**  
**Laboratory Head**  
Authorized Signatory

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

Standard<sup>S</sup> Environmental & Analytical Laboratories

Approval &amp; Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43  
Web: www.sealabs.in, E-mail: seaalab@gmail.com

## Result of ambient air

## ANNEXURE No. 9



## TEST REPORT

Test Report No: 20221115/R060		Date: 12-11-2023		Page 1 of 1	
<b>CUSTOMER DETAILS</b>					
Customer Name & Address	<b>M/s St.George Granite</b> Propriator Kuriakose I Mathai Ethoonickal (H), Kinginimattom, Kolenchery, Ernakulam District				
Customer Reference	Test Request dt : 02-11-2023				
<b>DETAILS OF MONITORING</b>					
Product Category	Atmospheric Pollution	Sample Code	20221115/S060		
Sample Name	Ambient Noise	Monitoring Commenced on	06-11-2023		
Monitoring Location	Near East Side Boundary	Monitored by	Lab Authorized Sampler		
Test Method	IS 9989:1981				
<b>MONITORING SITE DETAILS</b>					
Survey No	1094/1A, 1094/1A1, 1094/1A6, 1094/1A27, 1097/6A2, 1097/6B2, 1097/6B3, 1097/7A, 1097/7B, 1097/7C2, 1101/3				
Village	Maradi	Taluk	Muvattupuzha		
District	Ernakulam	State	Kerala		
<b>MONITORING RESULTS - Leq</b>					
<b>TIME</b>	<b>RESULTS dB(A)</b>	<b>TIME</b>	<b>RESULTS dB(A)</b>	<b>TIME</b>	<b>RESULTS dB(A)</b>
06:00	38.6	14:00	51.7	22:00	37.4
07:00	41.4	15:00	52.1	23:00	37.8
08:00	45.8	16:00	53.3	24:00	37.4
09:00	49.4	17:00	53.7	01:00	38.2
10:00	51.7	18:00	48.2	02:00	37.8
11:00	54.9	19:00	44.6	03:00	38.5
12:00	52.1	20:00	40.6	04:00	37.4
13:00	51.3	21:00	40.1	05:00	39.2
<b>TEST RESULTS- CHEMICALPARAMETERS</b>					
<b>Sl. No.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>RESULT</b>		
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	50.2		
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)	dB(A)	37.7		

**Shency Joy**  
**Dy.TM-Chemical**  
 Checked by:



**Laiju P.N.**  
**Laboratory Head**  
 Authorized Signatory

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

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.  
 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: seelab@gmail.com

### Result of ambient Noise level

## ANNEXURE No. 10

**TEST REPORT**

Test Report No:20221115/R061	Date:12-11-2023	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	<b>M/s St.George Granite</b> Propriator Kuriakose I Mathai Ethoonickal (H), Kinginimattom, Kolenchery, Ernakulam District
Customer Reference	Test Request dt : 02-11-2023

SAMPLE DETAILS			
Product Category	Water	Sample Code	20221115/S061
Sample Name	Bore Well Water	Sample Received on	08-11-2023
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	4°C
Sample Quantity& Packing	1L & 250ml Plastic Bottles	Test Commenced on	08-11-2023
Sampled by	Lab Authorized Sampler	Test Completed on	10-11-2023

DETAILS OF SAMPLING			
Sample Source	----	Date of Sampling	06-11-2023
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	28 °C

SAMPLING SITE DETAILS			
Survey No	1094/1A, 1094/1A1, 1094/1A6, 1094/1A27, 1097/6A2, 1097/6B2, 1097/6B3, 1097/7A, 1097/7B, 1097/7C2, 1101/3		
Village	Maradi	Taluk	Muvattupuzha
District	Ernakulam	State	Kerala

TEST RESULTS – CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 – 2012)
1	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)

**Shency Joy**  
**Dy.TM-Chemical**  
Checked by



**Salini T.S.**  
**Microbiologist**  
Authorized Signatory

**Laiju P.N.**  
**Laboratory Head**  
Authorized Signatory

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

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

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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**

Test Report No: 20221115/R061	Date: 12-11-2023	Page 2 of 2
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TEST RESULTS - CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
2	Odour	IS 3025 Part 5:2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	0.3	1.00 (Max)
4	pH	IS 3025 Part 11:1983 RA 2017	---	6.76	6.50 - 8.50
5	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	198	500 (Max)
6	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2019	mg/L	110	200 (Max)
7	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	30.4	75.0 (Max)
8	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2019	mg/L	8.28	30.0 (Max)
9	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	24.9	250 (Max)
10	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2019	mg/L	30.1	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	0.12	1.00 (Max)
12	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2019	mg/L	32.5	200 (Max)

TEST RESULTS - CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
14	Total Coliform Bacteria	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml
15	E coli	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml

Remarks:

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

**Shency Joy**  
Dy.TM-Chemical  
Checked by



**Salini T.S.**  
Microbiologist  
Authorized Signatory

**Laiju P.N.**  
Laboratory Head  
Authorized Signatory

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

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

**Result of water**