

# COMPLIANCE REPORT

APRIL 2021 TO SEPTEMBER 2021

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

DATED ON: 15.03.2013

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

M/S ST. GEORGE GRANITES

## St. George Granites

PALACKAMATTOM, KINGINIMATTOM P.O., KOLENCHERY - 682 311  
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Date: 19-12-2021

**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 – First 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 **First Half** (April 2021 – September 2021) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,  
Yours respectfully,

**For St. George Granites**

  
**Proprietor.**

Kuriakose I mathai

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 first half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2021 – September 2021** 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>	<b>Complied</b>
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### ***Compliance:***

As part of storm water management, constructed drain at entire mining area to channelize the storm water in to the existing pond in the site. The project proponent has constructed various pits to settle down sediments at the bottom of the pits. The storm water drainage and its exit from the site are fully functional at all the time. The pit in the central area of the mine is being developed.

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

The project proponent has being planted various varieties of horticultural crops and fruit bearing trees in the project site as part of eco restoration. The project proponent will plant various varieties during the post closure of mine.



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

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).

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

To ensure the environment safety measures, an 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 is 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>	<b>complied</b>
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***Compliance:***

One of the dust emitting sources in the mining industry is haulage road due to transportation of vehicles. 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.

## Compliance Report

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

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

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

The eco restoration plan prepared by the project will be executed in a good manner. The project started to plant various saplings in and around the project site. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal.

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

## Compliance Report

As part of inclusive growth of the community, the project proponent has executed various activities under Corporate Social Responsibility of the firm worth more than 3,00,000 with the consultation of Panchayath. The main activities were under the sectors. The 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>	<b>Complied</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.

<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>	<b>Complied</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 labours. 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.

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

## Compliance Report

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. The project is spraying water on the road to arrest the dust during summer season. The project proponent is intending maintain access road to the quarry in good condition for dust emission and easiness of transportation of vehicles.

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

At present the overburden excavated from the quarry is dumping in to three abandoned quarries near to the project site. The project converted a slope area in to benches by systematically dumping the overburden. To prevent soil erosion this has covered with a *geotex* coir mat and planted grass. As part of eco - restoration, the project is intending to plant various saplings and medicinal plant on the prepared benches.

12	<b>Height of benches should not exceed 5m and width should not be less than 5m.</b>	<b>Complied</b>
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**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. The copy of certificate of First class manager is attached at **Annexure No 2**.

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

The project proponent is using mats to reduce fly rocks during the time of blasting. The project proponent is using NoNEL technology for blasting therefore the problem with

## Compliance Report

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.

<b>14</b>	<b>Mining depth should not exceed beyond 40m, unless otherwise specifies or not below the level of nearest stream bed whichever is less.</b>	<b>complied</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. The all activities of these qualified persons is being under the supervision and monitoring of Environment Monitoring.

<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>	<b>Complied</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 will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards as per CPCB/KSPCB standards. The project 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.

<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>	<b>Complied</b>
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## Compliance Report

### **Compliance:**

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

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

To catch the storm water, the proponent has constructed garland drain around the project site. This drain leads to the rain water collection pond, which is situated at the lowest portion of the project site.

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

19	<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>	<b>complied</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>	<b>Will be complied</b>
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**Compliance:**

At present the project is running as per plan submitted in Environmental Impact Assessment Authority, Govt. of India. The project will seek for a new 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>	<b>Will be complied</b>
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**Compliance:**

To enhance the safety and eco friendly mining, if the authority instructs to add additional safeguard measures subsequently, the project 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 (Protection) Act, 1986, the public liability (Insurance) Act, 1991 and EIA notification, 2006.</b>	<b>complied</b>
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**Compliance:**

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

- 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 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 <a href="http://www.seiaaKerala.org">www.seiaaKerala.org</a>.</b>	<b>Complied</b>
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## Compliance Report

	<b>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.

<b>24</b>	<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>	<b>Complied</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

<b>25</b>	<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</b>	<b>complied</b>
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## Compliance Report

	<b>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.**

<b>26</b>	<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>	<b>Complied</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.

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

# Compliance Report

## ANNEXURE No. 1

October 2020 to March 2021

Sectors	Activities	Beneficiaries	Amount spent in Rs.
Health	Donation of Food Provisions	Christuraj Prayer Centre kakkad, Piravam	10,000/-
	Donation of Food Provisions	Sarana Oldage Home Kolechery	7,000/-
	Donation of Food Provisions		
	Donation of Food Provisions		
	Donation of Food Provisions		
	Treatment Support	Lakshmi Pampakuda	10,000/-
	Treatment Support	Sanal Kinginimattam	14,000/-
	Treatment Support	Suresh Babu Choondy	5,000/-
	Treatment Support	Revi Mardi	5,000/-
	Treatment Support	Santhosh Kayanad	5,000/-
Marriage	Marriage	Radha Poothrikka	5,000/-
	Marriage	Ambili Kurinji	5000/-
	Marriage	Sini Kinginimattom	4,000/-
	Marriage	Mariya Piravam	6,000/-
	Marriage		
Culture	Donation For Temple	Palackamattam Siva Khethram	10,000/-
	Donation For Temple	Sree Krishna Khethram Poothrikka	7,500/-
	Donation For Temple	Devi Kshethram KK Junction	10,000/-
	Donation For Temple		
	Donation For Temple		
	Donation For Church	St. Peter's & St. Pauls Church Kolechery	1,00000/-
	Donation For Church		
	Donation For Church		
	Donation For Church		
Housing	House Maintenance	Murali Maradi	6,000/-
		Ramamangalam School	5,000/-
		Maradi Gramapanchayath Mani C Naduvilayil	25,000/-
		Maradi Gramapanchayath Salma Basheer	25,000/-
		Beena Shaji	10,000/-
Welfare	Donation	Vikalanga Welfare Society Kumaramangalam	5,000/-
		Dr. Ambedkar Foundtion Mulanthuruthy	1500/-
		Vikalanga Welfare Society Para	7,500/-
Education	Donation	Poothrikka School	10,000/-
		Kinginimattam School	10,000/-
		Kolenchery School	5,000/-
<b>TOTAL</b>			<b>3,17,500/-</b>

**VIKALANGAR WELFARE SOCIETY**  
 KUMARAMANGALAM P.O., PARA, THODUPUZZHA  
 Reg. No. 1 - 782/98

Donations are exempted u/s 80G of the Income Tax Act 1961.  
 vide order No. CIT/CHN/12A/Tech. 31/2003-04 dated 26.05.2004 of the commissioner of Income Tax, Cochin (5) of section to 80G to provide that the approval once granted shall continue. Accordingly existing approvals expiring on or after 1st October, 2009 shall be deemed to have been extended in perpetuity unless specifically withdrawn.

**1106** No. \_\_\_\_\_ Date: 06/8/21

**DONATION RECEIPT**

Received with thanks from M/s. S. George Enterprises Kinkhinimattam  
 the sum of Rs. Five Thousand Only  
 being \_\_\_\_\_

Rs. 5000/-

Secretary [Signature]  
06/8/21

**ST. PETER'S AND ST. PAUL'S**  
 ORTHODOX SYRIAN CHURCH, KOLENCHERY

No. **6022** തരീഫ് Date: 30/09/2021  
 നാമം Donations by wellwisher  
Kuruvackose Ithumickal

അനാഥരും	Rs.	Ps.
<u>Donations</u>	<u>100,000</u>	<u>-</u>
<u>One lakhs only</u>	<u>100,000</u>	<u>-</u>

Sd/- [Signature]  
30/09/2021

**VIKALANGAR WELFARE SOCIETY**  
 KUMARAMANGALAM P.O., PARA, THODUPUZZHA  
 Reg. No. 1 - 782/98, Ph: Off: 211305

Donations are exempted u/s 80G of the Income Tax Act 1961. vide order No. CIT/CHN/12A/Tech. 31/2003-04 dated 26.05.2004

**1940** No. \_\_\_\_\_ Date: 25/7/2021

**DONATION RECEIPT**

Received with thanks from ST. George's Enterprises Kinginimattam P.O  
 the sum of Rs. Seven Thousand Five Hundred Kolenchery 682311  
 being Rs. only  
6 months

Rs. 7500/-

Secretary [Signature]  
25/7/2021



**മാരാടി ഗ്രാമപഞ്ചായത്ത്**

(ISO 9001-2015 അംഗീകൃത സ്ഥാപനം)

സൗത്ത് മാരാടി (പി.ഒ); മുവാറ്റുപുഴ; എറണാകുളം (ജില്ല)

ഫീൻ കോഡ് : 686673; ഫോൺ : 0485 - 2832219

Email : [maradygp@gmail.com](mailto:maradygp@gmail.com); website: [www.lsgkerala.in/maradypanchayat](http://www.lsgkerala.in/maradypanchayat)

C3-674/21

തീയതി : 06/09/2021

പ്രേഷകൻ

സെക്രട്ടറി

മാരാടി ഗ്രാമപഞ്ചായത്ത്.

സ്വീകർത്താവ്

M/s St. George Quarry

Marady - *മി.ജി.എസ്*

വിഷയം : മാരാടി ഗ്രാമപഞ്ചായത്ത് - ലൈഫ് ഭവന പദ്ധതി - ഭവന നിർമ്മാണത്തിന് മെറ്റൽ/മണൽ/കല്ല് അനുവദിക്കുന്നത് - സംബന്ധിച്ച്.

മാരാടി ഗ്രാമപഞ്ചായത്തിൽ വാർഡ് 1 ൽ ലൈഫ് ഭവന പദ്ധതിയിൽ ഉൾപ്പെടുത്തി 420 ച. അടി വിസ്തീർണ്ണമുള്ള ഭവന നിർമ്മാണം നടത്തുന്ന ശ്രീ/ശ്രീമതി. മണി.സി നടുവിലയിൽ, കായനാട് (ഐ.ഡി നമ്പർ 34282) എന്നയാൾക്ക് സൗജന്യ നിരക്കിൽ 670 ക്യൂബിക് അടി കല്ല് അനുവദിക്കുവാൻ താല്പര്യപ്പെടുന്നു.


വിശ്വസ്തതയോടെ,

*Sudhir B.*  
SUDHIR .B.  
SECRETARY  
MARADY GRAMA PANCHAYATH  
MOB: 9496041359



*O.P. Baby*  
പ്രസിഡന്റ്  
O.P. BABY  
President  
Marady Grama Panchayath

ANNEXURE No. 2



खान अधिनियम 1952  
THE MINES ACT 1952

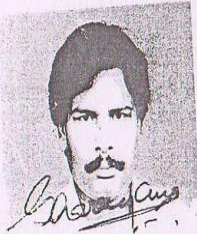
प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र धातुउत्पादक खान के प्रबंध हेतु  
MANAGER'S FIRST CLASS CERTIFICATE OF COMPETENCY TO MANAGE A METALLIFEROUS MINE  
(धातुउत्पादक खान विनियम, 1961 के अन्तर्गत)  
(Under the Metalliferous Mines Regulations 1961\*)

पी. पांडीयन ✓

जिनको जन्म तिथि 27 ~ 11 ~ 1962 है, विनियम 18 के अन्तर्गत अनुमोदित खनन अभियांत्रिकी में डिप्लोमा प्राप्त करते पर एवं दिनांक नवम्बर, 1997 को आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा 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।

O.P. Pandian ✓

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  
19 06 1998

CERTIFIED THAT THIS IS THE  
TRUE COPY OF THE ORIGINAL

K

01/06/2019

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

S

अध्यक्ष  
खनन परीक्षा बोर्ड  
Chairman of the Board of  
Mining Examinations

Certificate of First class manager



ANNEXURE No. 3



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :7540763  
Date of issue :16/04/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R15ERNA1292319

Ref : PCB/EKM/DO2/ICO-QR-R3/112/2015 Dated 30/6/2015 with a validity up to 30/6/2018

The ' Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY KURIAKOSE I MATHAI, MARADY, MUVATTUPUZHA is hereby renewed up to 30/06/2023 and issued to M/s QUARRY OWNED BY KURIAKOSE I MATHAI, 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	VALIDITY	30.06.2023
2	CAPITAL INVESTMENT	Rs. 95.55 Lakh
3	SURVEY NUMBER	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
4	PRODUCTS	BUILDING STONE - 229000 MT/Annum
5	SIZE OF THE MINING	3.8164 Hectares
6	FEE REMITTED	Rs. 118750/-

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

- 3.1. This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions as per section 21 of the Air (Prevention and control of Pollution) Act 1981 and section 25 of the Water (Prevention and control of Pollution) Act 1974
- 3.2. This consent is granted based on the Environmental Clearance No.57/SEIAA/KL/7585/2012 Building Stone Quarry(41) dated 15.03.2013. 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. This consent unless withdrawn earlier and subject to condition no 3.1&3.2 shall be valid up to 30.06.2023. For continuing to operate beyond the validity date application for the renewal has to be submitted through online (website: krocmms.nic.in) at least 3 months prior to the expiry of this consent.
- 3.4. No change, deviation or alteration that may affect the environment, extent and location of quarry shall be made.
- 3.5. Any change in particulars furnished in the application/the identity of the occupier/ authorised agent is to be intimated to the Board forthwith.
- 3.6. There shall be a minimum distance of 50m from boundary of quarry operating area to residential building, place of worship, public buildings, public road having vehicular traffic, river or lake, railway line, bridges etc.
- 3.7. Quarrying shall be done only within the area marked in the location plan.
- 3.8. Quarrying area shall be earmarked before commencement of quarrying activities.
- 3.9. Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighbouring land or building or posing damage to health, life or property.
- 3.10. After completion of excavation at any site, the abandoned quarry shall be utilized for rain water harvesting with protective barriers/ any other suitable approved purpose or may be reclaimed as per specification.
- 3.11. Proper fencing/barriers shall be provided and maintained all around the abandoned deep quarry pits to avoid accidents.
- 3.12. Mining below normal water table by continuous pumping shall be avoided in summer period (March, April & May) to prevent drinking water shortage in that area.
- 3.13. Noise creating activities such as drilling, blasting, breaking loading etc shall not be done during night time (6pm – 6am).
- 3.14. Blasting shall be done at specified time with prior signals to avoid accidents.
- 3.15. The PM10 in ambient air at the boundary shall not exceed 100 g/m<sup>3</sup>, max.
- 3.16. The Sound level (Leq) at 1m outside the boundary of the site and near residential locations should not exceed the ambient noise standard applicable to the adjoining areas.
- 3.17. "The consent issued from the Board will be valid only for a period during the period when all other statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act, 1974, Air Act 1981 and Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned authorities".
- 3.18. No other machineries shall be operated without prior Consent of the Board.
- 3.19. Quarrying operations shall be started only after obtaining Mining permit/lease from Mining & Geology Department and D & O License under the Kerala Panchayat Raj Act from the concerned Local Self Government.
- 3.20. The applicant shall submit copies of all relevant permits/lease/certificate/licenses periodically to this office to ensure the validity of this consent.

## 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-

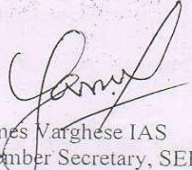
2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the above project as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent 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

  
Y10 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.

# Compliance Report

- (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

## 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 रूपए (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 - 682311Licencee/Occupier  
Photo with Sig.

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, Detonators, -** के उपयोग के लिए

Licence is valid only for the following purpose.

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]

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

(b) and (c)]:

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है।

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/898  
(E41970)

The licensed premises shall conform to the following drawing

दिनांक (Dated) 19/11/2007

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

Survey No(s). 1094/1A . , ग्राम (Town/Village) : **Marady Village, Munnappuram Taluk District: Ramangalam**  
जिला (District) **ERNAKULAM** राज्य (State) **Kerala** पिनकोड (Pincode)  
दूरभाष (Phone) **ERNAKULAM** ई.मेल (E-Mail) **Kerala** फैक्स (Fax)

7. अनुज्ञप्त परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

A set of G(Sr.No.765) & G (Sr.No.766)type Portable  
Magazines (Mfd by m/s Nobel Engg&Fab.Unit,Cochin) &  
one no of D type magazine mfd by thekkans engg and  
fabrication works

The licensed premises consist of following facilities.

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 शर्तों और अतिरिक्त शर्तों।  
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 पृष्ठानक 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. 5



**മാറാടി ഗ്രാമപഞ്ചായത്ത്**

വ്യവസായം, വാണിജ്യം, സംരംഭകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്  
(KPR അക്ട് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചട്ടങ്ങൾ)

ലൈസൻസുടമസ്ഥന്റെ പേരും തേജ് വിലാസവും	സെന്റ് ജോർജ്ജ് ക്വാറി, കൃത്യാക്കോസ് ഐ.മത്തായി, ഇത്തുണിക്കൽ, കിങ്ങിണിമറ്റം പി.ഒ, പാലക്കാട്, കോലഞ്ചേരി.
ഏതാവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	മുറവശത്ത് വിവരിക്കുന്നത് കൂടാതെ റിമാർക്സിൽ നിർദ്ദേശിച്ചിരിക്കുന്ന വ്യവസ്ഥകൾകൂടി ഉൾപ്പെടുത്തി കെ.പി.ആർ ആക്ട്-(Issue of Licence to Factories, Trades, Entrepreneurship activities & other services) ലൈസൻസ് ചട്ടങ്ങൾ പ്രകാരം 100 ത് നിർദ്ദേശിക്കുന്ന പ്രകാരം പാറക്കല്ലു മുറിയ്ക്കുകയോ, സംഭരിച്ചു വയ്ക്കുകയോ, മിനുസപ്പെടുത്തുകയോ, കൊത്തുപണി ചെയ്യുകയോ വിൽപന നടത്തുകയോ ചെയ്യുന്നതിനായി മാറാടി വില്ലേജ് സർവ്വേ 1094/1-എ, 1094/1-എ1, 1094/1എ6, 1097/7-എ, 1 097/6-ബി2, 1101/3, 1097/7ബി1, 1097/6-എ2, 1094/1-എ27 ,1097/6-ബി3, 1097/7-സി2 സ്ഥലം ഉപയോഗിക്കുന്നതിന് മാത്രം.
കെട്ടിടത്തിന്റെ നമ്പരും വാട്സ് നമ്പരും	വാട്സ് - 13 , സർവ്വേ 1094/1-എ, 1094/1-എ1, 1094/1എ6, 1097/7-എ 1097/6-ബി2, 1101/3, 1097/7ബി1, 1097/6-എ2, 1094/1-എ27 ,1097/6-ബി3, 1097/7-സി2
ലൈസൻസിന്റെ കാലാവധി	2021-22 (01-04-2021 മുതൽ 31/03/2022 വരെ)
ലൈസൻസ് ഫീസ്	25000/- രൂപ സീൽ 120010104085 നമ്പർ തീയതി 27.03.2021
റിമാർക്സ്	ബഹു.കേരള സർക്കാരുമായി 09.06.2014 ൽ ഉണ്ടാക്കിയിട്ടുള്ള കാര്യങ്ങൾ ലിസ്റ്റിന്റെ അടിസ്ഥാനത്തിൽ ആയതിലെ നിബന്ധനകൾ പ്രകാരവും ഈ ആവശ്യത്തിലേക്ക് സാധ്യമായതും തത്സമയം പ്രാബല്യത്തിലുണ്ടെന്ന് ഗ്രാമപഞ്ചായത്ത് കരുതുന്നതും ആവശ്യമെങ്കിൽ മാത്രം ജില്ല കളക്ടറുടെ നിർദ്ദേശപത്രം, പരിസ്ഥിതി അനുമതി, ജില്ലാ മെഡിക്കൽ ഓഫീസറുടെ നിർദ്ദേശങ്ങൾ, പോലീസിൽ കൺട്രോൾ ബോർഡിന്റെ അനുമതി, മാറാടി പി.എച്ച്.സി.യിൽ നിന്നുള്ള സാനിറ്റേഷൻ സർട്ടിഫിക്കറ്റ്, അംഗീകരിച്ച മെന്റിംഗ് പ്ലാൻ പ്രകാരം മെന്റിംഗ് & ജിയോളജി വകുപ്പിന്റെ അനുമതി, പെർമിറ്റ്, പാസ്റ്റ്, ബന്ധപ്പെട്ട അധികാരികളായ റവന്യൂ, ലേബർ വകുപ്പുകളുടെ അനുമതിയും അംഗീകാരവും അവർ നിർദ്ദേശിക്കുന്ന നിബന്ധനകളും പാലിച്ചും ബഹു.കേന്ദ്ര ഗവൺമെന്റ് എക്സ്പോസിവി & സെഫ്റ്റ്(പി.ഇ.എസ്.ഒ) വകുപ്പുകളുടെ ബ്ലാസ്റ്റിംഗ് അനുമതിയും ലൈസൻസും ഉൾപ്പെടെ സമ്പാദിച്ചും എല്ലാവിധ നികുതികളും ഫീസുകളും യഥാസമയം അടച്ചും മാത്രമാണ് ഏതെങ്കിലും തരത്തിലുള്ള മനനം നടത്തുകയോ മനനവസ്തുക്കൾ കൊണ്ടുപോവുകയോ ചെയ്യാവൂ എന്ന മാറാടി ഗ്രാമപഞ്ചായത്തിന്റെ കർശന വ്യവസ്ഥയും അതരത്തിലുള്ള മനനത്തിനും മനനം ചെയ്ത വസ്തുക്കൾ - കൊണ്ടുപോകുന്നതിനുമുള്ള ലൈസൻസായി ടി ലൈസൻസ് യാതൊരു കാരണവശാലും പരിഗണിക്കാവുന്നതല്ല എന്നത് ഉൾപ്പെടെയുള്ള നിബന്ധനകൾക്ക് അനുസൃതമായും പ്രസ്തുത ആവശ്യങ്ങൾക്ക് സ്ഥലം ഉപയോഗിക്കുന്നതിലേക്കായി ലൈസൻസ് പുതുക്കി അനുവദിച്ചിരിക്കുന്നത്.



Marady Grama Panchayat  
S. Marady P.O. - 686 073

മാറാടി ഗ്രാമപഞ്ചായത്ത്  
15.04.2021

**SUBHIR .B.**  
SECRETARY  
MARADY GRAMA PANCHAYATH

License from Gram Panchayat

## ANNEXURE No. 7

Ministry of Mines, Government of Kerala, Muvattupuzha Taluk, Marady Village, Marady  
Lease to Shri. Kuriakose I Mathai, Ithoonickal House, Kinginimattom, P. O, Ernakulam  
District - 682 311 and Proprietor, M/s. St. George Granites, Kinginimattom, P.O -  
sanctioned - orders - issued

- Ref. 1. Application dtd. 03/07/2015 from Shri. Kuriakose I Mathai, Ithoonickal House,  
Kinginimattom, P. O, Ernakulam District - 682 311 and Proprietor, M/s. St. George  
Granites, Kinginimattom, P.O
2. Letter No. DOE/3228/E2/15 dtd. 17/07/2015, 26/11/2015, 10/02/2016, 31/07/2017 from the  
Geologist, District Office, Ernakulam
3. Pro.order. No. 57/SEIAA/KL/7585/2012 dtd. 15/03/2013 of the State Environment Impact  
Assessment Authority, Thiruvananthapuram, Kerala
4. Kerala Minor Mineral Concession Rules, 2015.

No. 417/2017-18/7939/M3/2015/DMG Dated, Thiruvananthapuram 05/10/2017

### ORDER

A quarrying lease is granted to Shri. Kuriakose I Mathai, Ithoonickal House,  
Kinginimattom, P. O, Ernakulam District - 682 311 and Proprietor, M/s. St. George Granites,  
Kinginimattom, P.O to quarry Granite (Building Stone) over an area of 1.2656 Hectares of land  
comprised in Sy. Nos. 1097/7A, 1097/7B, 1097/7C2, 1097/6A2, 1097/6B2, 1097/6B3, 1094/1A-1  
of Marady Village, Muvattupuzha Taluk, Ernakulam District for 12 (Twelve) years from the date  
of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015  
and as per the survey map issued by the Tahsildar, Muvattupuzha and the approved Mining Plan  
and environmental clearance submitted by the applicant subject to the under mentioned conditions.

1. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
5. The lessee shall also deposit an amount of Rs 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
8. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to 30,000 Metric Tonnes per year.
9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable). Area of extraction permitted, explosives used (if any), etc.

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

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

## ANNEXURE No. 8

**TEST REPORT**

Test Report No: 20210621/R070	Date: 25-06-2021	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 : 21-06-2021


SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20210621/S070
Sample Name	Ambient Air	Sample Received on	22-06-2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-06-2021
Sampled by	Lab Authorized Sampler	Test Completed on	24-06-2021

DETAILS OF SAMPLING			
Sampling Location	Near East Side Boundary	Date of Sampling	21-06-2021
Sampling Procedure	SEAL/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>	49.5	Max 100
2	Particulate Matter, PM <sub>2.5</sub>	EPA 40 CFR (Part 50)Appendix - L	µg/m <sup>3</sup>	19.2	Max 60
3	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001 RA 2017	µg/m <sup>3</sup>	3.10	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 & 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: sealab@gmail.com

**Result of ambient air**


## ANNEXURE No. 9

**TEST REPORT**


Test Report No: 20210621/R071	Date: 25-06-2021	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 :21-06-2021				
DETAILS OF MONITORING					
Product Category	Atmospheric Pollution	Sample Code	20210621/S071		
Sample Name	Ambient Noise	Monitoring Commenced on	21-06-2021		
Monitoring Location	Near East Side Boundary	Monitored by	Lab Authorized Sampler		
Test Method	IS 9989:1981				
MONITORING 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		
MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	39.3	14:00	52.7	22:00	38.1
07:00	42.1	15:00	53.1	23:00	39.3
08:00	46.6	16:00	54.3	24:00	38.9
09:00	50.2	17:00	54.7	01:00	39.6
10:00	52.7	18:00	49.0	02:00	39.3
11:00	55.9	19:00	45.4	03:00	40.0
12:00	53.1	20:00	41.3	04:00	38.9
13:00	52.2	21:00	40.8	05:00	40.8
TEST RESULTS- CHEMICALPARAMETERS					
Sl. No.	PARAMETERS		UNIT	RESULT	
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)		dB(A)	51.1	
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)		dB(A)	39.1	

\*\*\*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 & 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: sealab@gmail.com

**Result of ambient sound level**

## ANNEXURE No. 10

**TEST REPORT**

Test Report No: 20210621/R072	Date: 25-06-2021	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 : 21-06-2021

SAMPLE DETAILS			
Product Category	Water	Sample Code	20210621/S072
Sample Name	Bore Well Water	Sample Received on	22-06-2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	4°C
Sample Quantity & Packing	1L & 250ml Plastic Bottles	Test Commenced on	22-06-2021
Sampled by	Lab Authorized Sampler	Test Completed on	24-06-2021

DETAILS OF SAMPLING			
Sample Source	----	Date of Sampling	21-06-2021
Sampling Procedure	SEAL/ENL/GEN/SOP/01& SEAL/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**

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

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## TEST REPORT

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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	0.4	1.00 (Max)
4	pH	IS 3025 Part 11:1983 RA 2017	---	6.85	6.50 - 8.50
5	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	225	500 (Max)
6	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2019	mg/L	118	200 (Max)
7	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	24.8	75.0 (Max)
8	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2019	mg/L	13.6	30.0 (Max)
9	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	32.9	250 (Max)
10	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2019	mg/L	36.2	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	0.20	1.00 (Max)
12	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2019	mg/L	40.2	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

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.

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## Result of water