

**ENVIRONMENT CLEARANCE  
COMPLIANCE REPORT  
(APRIL 2024- SEPTEMBER 2024)**

*For*

***GRANITE BUILDING STONE QUARRY  
(Minor Mineral)***

**Extent: 4.5180 Ha**

*At*

**Re. Sy No.: 275/1A**

**Village: Tripangottur**

**Taluk: Thalassery**

**District: Kannur State:**

**Kerala**

**Granite Building Stone Quarry of  
Mr. Jovin George**

**EC No.170/2018 Dated: 19/05/2018**

**Date: 03.10.2024**

**To.**

**The Deputy Director General of Forests(C)**

MoEF, Regional office, Koramangala, Bangalore.

Kendriya Sadan, 4th Floor, E & F. Wings, 17th Main

Road, Koramangala, 2ND Block, Bangalore – 560034.

Respected Sir,

**Sub: Environmental Clearance Compliance Report for the period April 2024 – September 2024 pertaining to ‘Granite Building Stone Quarry of ‘Mr. Jovin George’**

**Ref: Environmental Clearance No: 170/2018, Dated: 19-05-2018.**

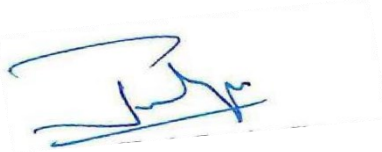
As per conditions of the above referred Environmental Clearance (EC), please find enclosed compliance report for period from April 2024 to September 2024 of the EC Granted to ‘Granite Building Stone Quarry of Mr. Jovin George ‘by Ministry of Environmental & Forest under EPA (1986). Also enclosed relevant Annexures in Support of the compliance report for your perusal and record please. A soft copy of the same is sent by email for your record and perusal.

We hope you will find the attached Status Report in

Order. Thanking you,

Yours truly,

**For ‘Granite Building Stone Quarry of  
Jovin George**



**Jovin George**  
(Project Proponent)

*Encl: as*

*above*

*Cc:*

**The Member Secretary**

**State Environment Impact Assessment Authority (SEIAA)**

Directorate of Environment & Climate

Change 4th Floor, KSTRC Bus Terminal,

Thampanoor, Kerala-01.

***EC Compliance Report for the period of April 2024-September 2024***  
***Granite Building Quarry Project of Mr. Jovin George***

**Introduction**

Mr. Jovin George, Madathina Mattathil, Palisseri, Thalasserry P.O., Kannur District, Kerala-670101 has been granted a Mining Lease to quarry Granite Building Stone over an area of 4.5180 Ha. (11.1639 Acres) in Sy. No: 275/1A of Tripangottur Village, Thalasserry Taluk, Kannur District, Kerala State.

Quarrying / Mining Plan is approved by The Geologist, Dept. of Mining & Geology, Kannur vide Letter No. DOC/M-2015/18 Dated 13.04.2018., for a maximum production of 3.00,095 MTA in the III-Year. This granite building stone quarry is located at 3.0 Kms from Tripangottur Village in Thalassery Taluk. The quarry is at a distance of 47 Kms from Kannur town. It can be reached via Pathikkal-Vazhamala Road.

**EC Compliance Report for the period of April 2024-September 2024**  
**Granite Building Quarry Project of Mr. Jovin George**

**Description of the Project**

File No.	:	154/ECA/KNR/2018/DEIAA
Name of the project	:	GRANITE BUILDING STONE QUARRY (Minor Mineral) of Mr. Jovin George
District and state	:	Kannur, Kerala
Taluk / Mandal	:	Thalassery
Village	:	Trippangottur
Category & Schedule	:	B2 & Schedule 1(a)
Khasara No. / Plot No. / Block / Gate No. etc.,	:	Sy. No: 275/1A
Extent of Area	:	4.5180 Ha
Ownership / Occupancy	:	Private Land
Existence of publicroad/railway line, if any, nearby and approximate distance Nearest Port / Airport	:	The nearest railway station Thalassery is located at a distance 26 Kms. The nearest airport is Calicut which is 115 Kms from the mine.
Latitude & Longitude	:	N - 11°47'53.63" to N - 11°48'01.73" E - 75°40'39.48" to E - 75°40'49.39"
Address of Registered office	:	Mr.Jovin George, Madathina Mattathil, Pallisseri, Thalassery P.O., Kannur District, Kerala- 670101 E-mail- geosandin@gmail.com

**EC Compliance Report for the period of April 2024-September 2024**

**Granite Building Quarry Project of Mr. Jovin George**

**Compliance Status of the General Conditions for Mining Projects Laid down by the District Environment Impact Assessment Authority, Kerala vide their Environment Clearance File No. 170/2018 Dated:19/05/2018**

**SPECIFIC CONDITIONS**

<b>Sl.No</b>	<b>Condition</b>	<b>Status of Compliance</b>
1	A Mines Manager shall be appointed to control, direct, manage and supervise Quarrying Operations as required under the Mines Act 1952.	A Mines Manager has been appointed to control, direct, manage and supervise the Quarrying operations.
2	Health and welfare measures for the persons employed shall be implemented.	Health and welfare measures for the persons employed have been implemented and ensured.
3	Controlled blasting should be practiced, and blasting should be done only during day time. The mitigating measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.	Controlled blasting is practiced and Blasting is done only during daytime. Blasting time is displayed in the sign board. All precautionary measures are adopted while blasting operations are carried out. Photograph of board displaying time of blasting is attached as <b>Annexure-2</b> .
4	Plantation shall be done which includes a green belt of adequate width around the Mining Lease area excluding the rocky area, along roads, overburden dumps and non- mineralized area by planting suitable native species in consultation with the local DFO/ Agriculture Department.	A green belt of a width of 7.5 mts have been made along the periphery of the Lease area by planting saplings in consultation with the local DFO/ Agriculture Department. Photographs of plantation are attached as <b>Annexure-3</b> .
5.	The drains should be regularly desilted and maintained properly. Check dams and gully checks shall be constructed wherever required to arrest siltation. De siltation shall also be done every year before the onset of monsoon.	All civil structures will be made for arresting silt and will be de-silted before onset of Monsoon.
6	Fencing must be maintained properly all around the lease area.	The entire lease area is fenced and well maintained. Photos of fencing are attached as <b>Annexure - 5</b>
7	The CSR should cover the felt needs of the locality with special emphasize for implementing ground water recharging techniques in and at the vicinity of the proposed site.	The CSR activities have been done which will cover the felt needs of the locality. Implementation of ground water recharging techniques will be done.

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**Granite Building Quarry Project of Mr. Jovin George**

8	Appropriate sign boards should be displayed	Appropriate signboards have been displayed. Photos of the Sign Boards are attached as <b>Annexure-1</b> .
9	The blasting time must be displayed and strictly adhered to.	Blasting time is displayed and is being strictly followed. <b>Annexure-2</b>
10	Dust suppression mechanism must be in place.	Water tankers with sprinklers are being used for controlling dust emission.
11	A separate small plot to be maintained in the premise to preserve rare and endemic species, if any, listed in the	No rare and endemic species is present in the lease area.
12	The PPV values must be less than 10 mm/sec.	PPV values are kept below 10 mm/sec.
13	The green belt shall be provided along the periphery.	Green belt of 7.5 mts width will be provided along the periphery of the lease area. Photos of plantations are attached as <b>Annexure-3</b> .
14	Where the height of the bench formed during earlier workings exceeds the maximum reach of the excavator engaged for work, such bench height shall be reduced from top to bottom.	Height of benches will be maintained as specified in the approved Mining Plan. Photos of benches are attached as <b>Annexure-4</b> .
15	Loose or hanging rock or mineral boulder on the side wall shall be dressed down before engaging persons for work at the bottom of the bench.	Loose or hanging rock or mineral boulder on the side wall has been dressed down before engaging persons for work at the bottom of the bench.
16	Permanent boundary pillars should be fixed by the proponent before commencing quarrying.	Permanent boundary pillars have been erected and maintained. Photos of boundary pillar is attached as <b>Annexure- 5</b> .
17	No quarry blasting to be undertaken and sustained till warning time limit expires and/or when continuous 48 hours rainfall exceeds 8cms and blasting shall not be resumed until 24 hours of rain free situation arises in the quarry locality based on the evaluation by the revenue officials.	No quarry blasting will be done and sustained till warning time limit expires and/or when continuous 48 hours rainfall exceeds 8cms. Blasting will not be resumed until 24 hours of rain free situation arises in the quarry locality based on the evaluation by the revenue officials.
18	All waste dumps and top soil dumps shall be properly stabilized using coir mats or bio regeneration. Proper drainage system shall be provided so that water is properly diverted away from the dumps slopes with no disturbance to the stability of the slopes.	Agreed.
19	All dump slopes shall be sufficiently stabilized by using appropriate species mix of grass, creepers, shrubs and trees. This shall be done in consultation with the Forest department and local research	All dump slopes will be stabilized as specified by mix of grass, creepers, shrubs and trees.

**EC Compliance Report for the period of April 2024-September 2024**

**Granite Building Quarry Project of Mr. Jovin George**

	institutes and experts I stabilization of mine dumps.	
20	Garland drains of at least 2 mts width shall be provided all along 7.5 mts buffer zone to divert the water from entering the Quarry slopes. These drains shall be cleaned every year before the monsoon season	Agreed
21	The water from the garland drainage shall be directed to the silt settling ponds. The clarified overflow from the silt settling ponds shall be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural water course.	The water from the garland drainage will be directed to the silt settling ponds. The clarified overflow from silt settling ponds shall be directed to a rainwater harvesting pond before releasing the clarified water to the natural water course. Photograph of Rain Water Harvesting Pond is attached as <b>Annexure-6.</b>
22	A retaining wall of stone rubble with wire (2 mt) shall be constructed at the bottom of the slope of the Quarry lease to arrest any likely mesh of sufficient width and strength (not less than roll of boulders during heavy rainfall.	Agreed

*EC Compliance Report for the period of April 2024-September 2024*

*Granite Building Quarry Project of Mr. Jovin George*

**GENERAL CONDITIONS OF HEALTH**

<b>Sl.No</b>	<b>Conditions</b>	<b>Status of compliance</b>
1	First Aid kit provided in the work site. It shall be periodically maintained properly. Some laborers shall be trained on First Aid.	First Aid kits is provided in the work site and key personnel are trained to render first aid in case of emergencies.
2	Wholesome drinking water should be provided.	Wholesome portable drinking water is provided
3	Premises should be maintained as wet to suppress the dust.	Dust is suppressed at the source.
4	Sanitary type of latrines and urinals should be provided.	Latrines and urinals are provided at site office.
5.	Resting place to be provided for workers	Resting place is provided to workers.
6	'No Smoking' board should be exhibited according to COTPA act.	'No Smoking' boards are exhibited. Photos are attached as <b>Annexure- 7.</b>
7	Work should not be done in night.	Work is done only during daytime.
8	Details of nearest hospital, shortest route to hospital and contact no. etc. should be available	Board displaying the emergency contact phone numbers including the Hospital and Ambulance is displayed. <b>Annexure- 8.</b>
9	Approach roads should be maintained properly	Approach roads are maintained properly. Photos of the Approach Road is added as <b>Annexure-9.</b>



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**GENERAL CONDITIONS**

<b>Sl.No</b>	<b>Condition</b>	<b>Compliance Status</b>
1	Rainwater harvesting facility should be installed as per prevailing provisions of KMBR/KPBR, unless otherwise specified.	Rainwater harvesting is a technically feasible solution for overcoming the problem of water scarcity in Mines. Rain water harvesting facility was made and maintained. <b>Annexure-6.</b>
2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environment monitoring cell is formed & is made functional.
3.	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including approach roads and internal roads.	Avenue trees have been planted along the either side of the tarred road. Photos are attached as <b>Annexure - 3</b>
4	Maximum Possible Solar Energy generation and utilization shall be ensured as an essential part of the Project.	Solar Energy generation and utilization shall be adopted.
5	Sprinklers shall be installed and used in the Project Site to contain dust emissions.	Water tanker with sprinklers is used to control dust emission.
6	Eco-restoration, including the Mine Closure Plan shall be done at the own cost of the Project Proponent.	Noted.
7	At least 10 per cent of total excavated Pit area should be retained as water storage area and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of the Pit	During the Closure of the mine, 10 percent of total excavated pit will be retained as water storage area and the remaining area will be reclaimed with stacked dumping & overburden and indigenous plant species will be planted.
8	Corporate Social Responsibility (CSR) agreed upon by the Proponent should be implemented.	The CSR activities cover the felt needs of the locality while special emphasis is given for Education, Health care, Rural development, House Construction etc. were complied.

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9	The Lease area will be fenced off with barbed wires to a minimum height of 4 ft around, before starting of Mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.	Lease area is fenced off with barbed wires. Sign boards have been erected at prominent places.
10	Warning alarms indicating the time of Blasting (to be done at specific timings) has to be arranged as per stipulations of the Explosives department.	Warning alarms indicating the time of blasting is arranged as per the stipulations. Blasting time and safety boards have been erected at all entrance to the mine. <b>Annexure- 2</b>
11	Control measures on noise and vibrations prescribed by KSPCB should be implemented	<ul style="list-style-type: none"><li>➤ Noise and vibration control measures are implemented by adapting controlled blasting.</li><li>➤ Use of sharp drilling bits, delivery of compressed air at optimal pressure. Proper maintenance of compressor, drilling machine, jackhammers and tipper trucks.</li><li>➤ Regular monitoring of noise levels is being done within the core zone and the buffer zone of the mining lease area. Noise Monitoring photos and reports are attached as <b>Annexure-10</b> and <b>Annexure-17</b>.</li></ul>
12	Quarrying activities should be limited to daytime as per KSPCB guidelines/specific conditions.	Quarrying activities are limited to day time only as per KSPCB guidelines. KSPCB License is enclosed as <b>Annexure-12</b> .
13	Blasting should be done in a controlled manner as specified by the regulations of the Explosives department or any other agency.	Controlled blasting is done as per regulations. Photograph of Magazine is attached as <b>Annexure-16</b> & Copy of the Magazine License is enclosed as <b>Annexure-12</b> .
14	A licensed person should supervise/ control the Blasting Operations	Blasting supervision and control is done by a Mining Official having DGMS Certificate.
15	Access road to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Access road to the Quarry is well maintained to control dust emissions. Photo of the Access Road is attached as <b>Annexure-9</b> .

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16	Overburden materials should be managed within the site and used for reclamation of Mine Pit as per Mine closure Plan/specific conditions	Overburden material shall be used for reclamation of mine pit and as a filler along the Green Belt for plantation purpose.
17	Height of Benches should not exceed 5m and width should not be less than 5m, if there is no mention in the Mining plan/specific condition.	The height of the benches will not exceed 5m, and the width will not be less than 5m, in order to ensure safety. Bench photos are attached as <b>Annexure-4</b> .
18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided	Agreed.
19	Maximum depth of Mining from general ground level at site shall not exceed 10 m	The mining will be carried out as per the Approved Mining Plan. Therefore, depth does not exceed beyond 10m from the general ground level.
20	No Mining operations should be carried out at places having a slope greater than 45°	No Mining operations will be carried out at places having a slope greater than 45°
21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow bricks envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Agreed.
22	The workers on the site should be provided with the required protective equipment such as ear muffs helmet, etc.	Requisite Personal Protective equipment (PPE's) is provided to all employees and Warning board is displayed. <b>Annexure- 14</b> .
23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Agreed
24	The transportation of minerals should be done in covered trucks to contain dust emissions.	All trucks transporting material are covered by firmly tied tarpaulin.
25	The proponent should plant trees at least 5 times the loss that has been occurred while clearing the land for the project.	Agreed.

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26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Spent oil is reused as a lubricant for drilling.
27	Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.	Explosives are stored in a Licensed Explosives Magazine, which is approved by PESO. Copy of magazine license is attached as <b>Annexure-12</b> .
28	A minimum buffer distance of 50 M from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	No dwellings are situated within 50m from the boundary of the quarry.
29	100 M buffer distance should be maintained from forest boundaries.	Mining area is not located near any forest areas. So, the buffer distance is more than 100m.
30	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.	Consent from KSPCB under Air and Water Act(s) is obtained. Copy of the consent is attached as <b>Annexure-11</b> .
31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	All required statutory clearances are obtained.
32	In the case of any change(s) in the scope of the Project, extent, quantity, process of mining technology involved or in any way affecting the environment parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	There is no change in the scope of the project.
33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environmental Clearance under provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed.

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34	The stipulations by the Statutory Authorities under different Acts and Notifications should be complied with including the provisions of the Water (Prevention and control of Pollution) Act,1974, the Air (Prevention and control of Pollution) Act1981, the Environment (Protection) Act,1986, the Public Liability (Insurance) Act,1991 and EIA Notification,2006	Agreed.
35	The project proponent should advertise in at least 2 newspapers widely circulated in the region, one of which(both the advertisement and the newspaper) shall be in the vernacular language informing that the Project has been accorded Environment Clearance and the copies of the Clearance lettersare available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at <a href="http://www.seiaakerala.org">www.seiaakerala.org</a> . The advertisementsshould be made within 10 days from the date of receipt of the clearance letter and a copy of the same signed in all the pages should be forwarded to the Office of this Authority as confirmation	Advertisements are given in two newspapers and submitted in earlier reports.
36	A copy of the clearance letter shall be sent by the proponent to the 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 Environmental Clearance shall also be put on the website of the company by	A copy of the Clearance is submitted to the concerned authorities. Copy of Panchayat license attached as <b>Annexure-13</b> .
37	The proponent shall submit half yearly reports on the status of compliance ofthe 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	Half yearly compliance reports are submitted as stipulated to State Environmental Impact Assessment Authority and the Regional Office of MoEF & CC, Bangalore.

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	shall simultaneously be sent to the respective regional office of the MOEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office	
38	The details of Environment Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times Roman font of size not less than 40. Sign board with extent of Lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public	Details of Environmental Clearances is prominently displayed at the entrance to the Mine. Photo of the board is attached as <b>Annexure-15</b> .
39	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	Notarized affidavit is provided.
40	No change in mining technology and scope of working should be made without prior approval of the SEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as	Prior approval from the SEIAA will be sought in case of change of mining technology.
41	The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	No natural water course is obstructed. Necessary safeguard measures are taken to protect first order streams if originating from the mining lease in the future.
42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Monitoring of Ambient Air Quality is carried out. Monitoring reports have been enclosed as <b>Annexure-17</b> . Water sprinkling is being done at appropriate places with water tanker.
43	The top soil, if any, shall be temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The Over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 m and the width 20 m and	Available top soil shall be used at the green belt for plantation. OB generated is stacked separately and is vegetated with locally available shrubs and grasses.

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	overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo-textiles shall be undertaken for stabilization of the dump. The entire excavated area should continue until the vegetation becomes self-sustaining	
44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly de silted particularly after monsoons and maintained properly	Catch drains and siltation ponds will be made around the mines, mineral and the water from the drain is directed to the Rain Water Harvesting Pond. The water from RWHP shall be utilized for watering the mine area, roads, green belt development etc. The drains are regularly de silted particularly after monsoons and maintained properly.
45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Regular water sprinkling is done on all necessary roads with water tankers and sprinklers to control air pollution.
46	Fugitive dust emissions from all sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and transfer points should be provided and properly maintained.	Fugitive dust emission is controlled. Regular water sprinkling is done on haul roads, loading, unloading and transfer points with water tankers with sprinklers.
47	Measures should be taken for control of noise levels below 85 dB(A) in the work	Adequate measures for noise control have been adopted. Regular monitoring of ambient air quality is being carried out. Photos of monitoring photos are attached as Annexure 10.
48	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior executive, who will report directly to the head of the Organization.	An Environment Management Cell has been set up with Mr. Jovin George as the head of the Cell.

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49	The funds earmarked for environment protection measures and CSR activate should be kept in a separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) Office.	The funds earmarked for environment protection measures and CSR activities has been kept in a separate account and will not be diverted for other purpose.
50	The Regional Office of MOEF and CC located in Bangalore shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the Officer(s) if the Regional Office by furnishing the requisite data/information/monitoring reports.	Agreed.
51	Any appeal against the Environment Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Agreed.
52	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under provisions of the Environment (Protection) Act, 1986.	Agreed.
53	The SEIAA may revoke or suspend the order for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of the	Agreed.
54	The above conditions shall prevail notwithstanding anything to the contrary, inconsistent or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Agreed.
55	The order is valid for a period of 5 years of the expiry date of Mine lease period issued by the Government of Kerala, whichever is earlier	Agreed.

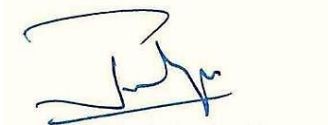


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**Granite Building Quarry Project of Mr. Jovin George**

56	The Environment Clearance will be subject to the final order of the courts in any pending litigation related to the land or the project, in any court of law.	Agreed.
57	The Mining operations shall be restricted to above ground water table and it should not intersect ground water table.	Mining operations will be restricted to above ground water table and due care will be taken so that mining does not intersect ground water table.
58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking center. Washing of all vehicles shall be inside the Lease area	It is ensured that all transportation vehicles have 'PUC' Certificate issued by an authorized Pollution checking center. All the vehicles are washed inside the lease area.
59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of necessary quantity of surface and ground water for the project.	There is no need for Drawl of Surface and ground water for the project activities.
60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six-monthly reports to SEIAA.	No perennial nallah flows through the lease or exist around the Mine Lease.
61	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance will be undertaken periodically.

For Granite Building Stone Quarry of Mr. Jovin George



**Mr. Jovin George**  
**(Managing Partner)**

Date: 03.10.2024

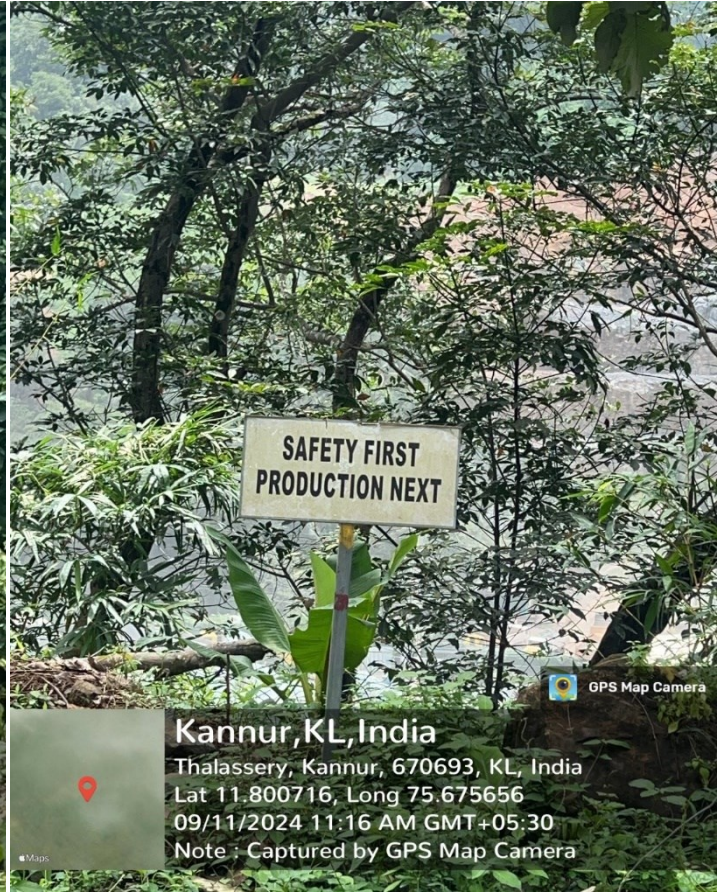
SIGN BOARDS





**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.801062, Long 75.676342  
09/11/2024 11:17 AM GMT+05:30  
Note : Captured by GPS Map Camera



**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.800716, Long 75.675656  
09/11/2024 11:16 AM GMT+05:30  
Note : Captured by GPS Map Camera



**Kannur, KL, India**

Cheruparamba Pathikkal Vazhamala Road,  
Thalassery, Kannur, 670693, KL, India  
Lat 11.800522, Long 75.675193  
09/11/2024 11:16 AM GMT+05:30  
Note : Captured by GPS Map Camera



**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.801031, Long 75.676069  
09/11/2024 11:17 AM GMT+05:30  
Note : Captured by GPS Map Camera



Kannur, KL, India  
 Thalassery, Kannur, 670693, KL, India  
 Lat 11.798495, Long 75.677664  
 09/11/2024 11:49 AM GMT+05:30  
 Note : Captured by GPS Map Camera



Kannur, KL, India  
 Thalassery, Kannur, 670693, KL, India  
 Lat 11.801414, Long 75.677336  
 09/11/2024 11:18 AM GMT+05:30  
 Note : Captured by GPS Map Camera



Kannur, KL, India  
 Thalassery, Kannur, 670693, KL, India  
 Lat 11.797614, Long 75.679283  
 09/11/2024 11:38 AM GMT+05:30  
 Note : Captured by GPS Map Camera



Kannur, KL, India  
 Thalassery, Kannur, 670693, KL, India  
 Lat 11.800873, Long 75.677440  
 09/11/2024 11:22 AM GMT+05:30  
 Note : Captured by GPS Map Camera

**NOTICE OF COMMENCEMENT AND END OF WORK  
VAZHAMALA STONE MINE 1&2 QUARRY**

Name of Company : **VAZHAMALA STONE MINE 1&2**  
Name of Owner : **JOVIN GEORGE**

CLASS OR KIND OR EMPLOYMENT	PLACE OF WORK	SHIFT	PERIOD OF WORK	LUNCH
O C W	Open Cast Working	General	Begins 8 am Ends 5pm	1pm to 2 pm

**DATE : WEEKLY DAY OF REST SUNDAY**  
**BLASTING TIME 3.30 pm to 4.30 pm**  
**Sd - MANOJ KUMAR JHA**  
**Mine Manager**

GPS Map Camera

**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.801366, Long 75.677425  
09/11/2024 11:19 AM GMT+05:30  
Note : Captured by GPS Map Camera



**DIRECTORATE GENERAL OF MINES SAFETY  
SOUTHERN ZONE BENGALURU 560029**

Govt. of India Ministry of Labour Employment

Name of official  
**MR. SAKET BHARATI**  
Director of Mines Safety.

**MR. BALAKRISHNA**  
Dy. Director of Mines Safety.

**MR. ARUN K VIJAYAN IAS**  
District Collector Kannur.

GPS Map Camera

**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.801362, Long 75.677440  
09/11/2024 11:20 AM GMT+05:30  
Note : Captured by GPS Map Camera

കോലി ലിസ്റ്റ് ചെയ്യപ്പെട്ട പേര് : ശോവിൻ ജോർജ്ജ്  
 വനനം ചെയ്യുന്ന യാത്രയ്ക്കിൻ്റെ പേര് : കുടികല്ല്  
 പെർമിറ്റ് നമ്പർ ലിസ്റ്റ് നമ്പർ ഉൾക്കൊണ്ട് പെർമിറ്റ് നമ്പർ : 409/2017-18/SS25/15/2016/DM604-10-17  
 പെർമിറ്റ് ലിസ്റ്റ് നമ്പർ കോലറഡി : 08-10-2029  
 യാത്രയ്ക്ക് വിദ്യേഷ് യഥ്യേനമ്പർ, പഞ്ചായത്ത് : നല്ലശേരി, തൃപ്പൂത്തുപുരം, 375/1A  
 അനുവദിച്ചിട്ടുള്ള പെർമിറ്റ് നമ്പരും : ഡോയുടെ പിൻ്റെ, അക്രൂർ, കണക്കാക്കി  
 വനനം ചെയ്യുന്ന അനുവദിച്ച യാത്രയ്ക്കിൻ്റെ അക്രൂർ : 140000 ടൺ  
 COMPOUNDING ബോധകര്യം  
 വനനം ചെയ്യുന്നതിൻ്റെ, വിസ്തീർണ്ണം : 3-7556 H  
 പഞ്ചായത്ത് ലൈസൻസ് നമ്പർ : 53/2020-2021/A-3/A2-945/20  
 എക്സ്പ്ലോസിവ് ലൈസൻസ് നമ്പർ : E/5E/KL/28/18 S5231  
 പെർമിറ്റുകൾ കൺട്രോൾ ബോർഡ് ലൈസൻസ് നമ്പർ : PCB/KNR/100-R/488/2020  
 പാരിസ്ഥിതികാനുമതി : 01/KNR/2017 DE1AA  
 കോലി ചെയ്യുന്നവരുടെ എണ്ണം :

GPS Map Camera

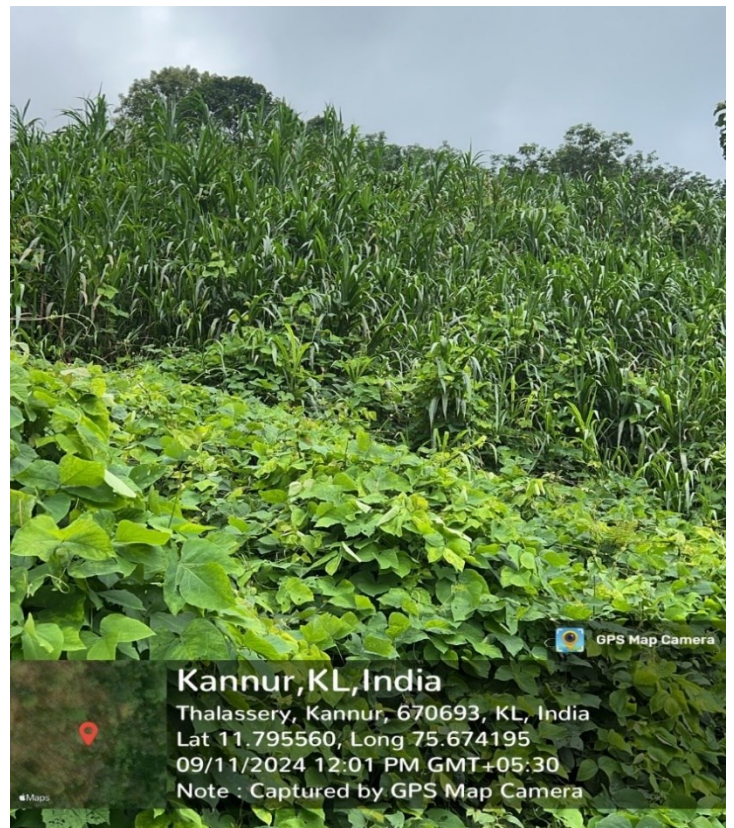
**Kannur, KL, India**

Thalassery, Kannur, 670693, KL, India  
Lat 11.798179, Long 75.678256  
09/11/2024 11:28 AM GMT+05:30  
Note : Captured by GPS Map Camera

**SIGN BOARD DISPLAYING TIME OF BLASTING**



## PLANTATIONS & AVENUE TREES





GPS Map Camera

**Kannur, KL, India**  
Thalassery, Kannur, 670693, KL, India  
Lat 11.797970, Long 75.678132  
09/11/2024 11:45 AM GMT+05:30  
Note : Captured by GPS Map Camera



GPS Map Camera

**Kannur, KL, India**  
Thalassery, Kannur, 670693, KL, India  
Lat 11.798147, Long 75.678778  
09/11/2024 11:43 AM GMT+05:30  
Note : Captured by GPS Map Camera

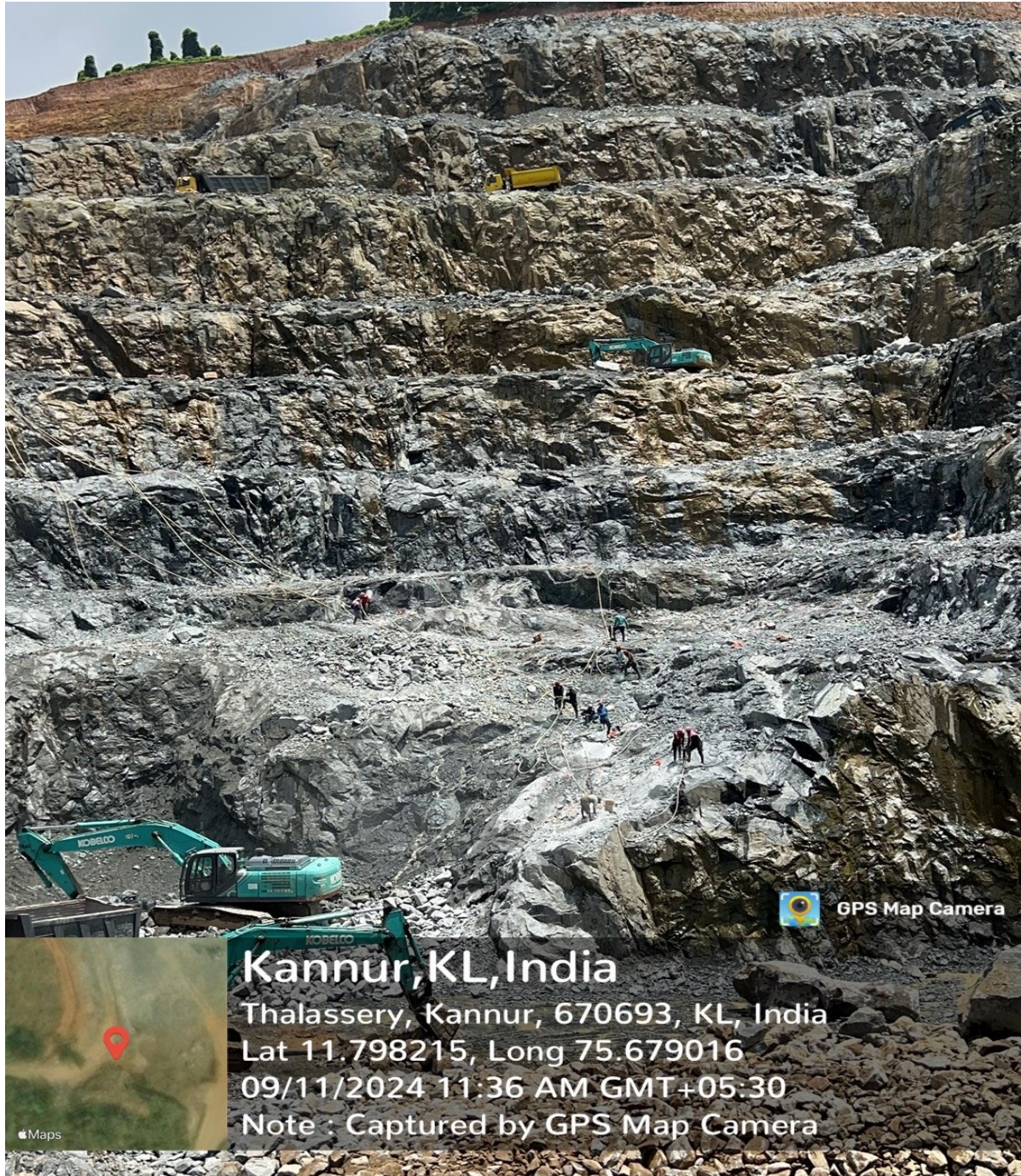


GPS Map Camera

**Kannur, KL, India**  
Cheruparamba Pathikkal Vazhamala Road,  
Thalassery, Kannur, 670693, KL, India  
Lat 11.800134, Long 75.674467  
09/11/2024 11:15 AM GMT+05:30  
Note : Captured by GPS Map Camera



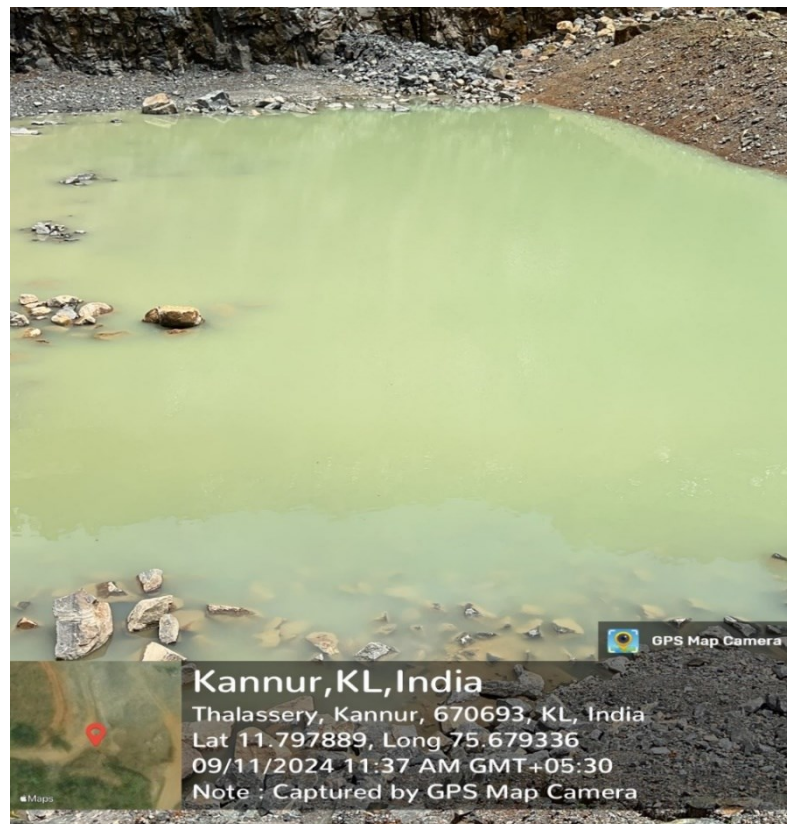
# BENCH SYSTEM



# BOUNDARY PILLARS & FENCING



## RAIN WATER HARVESTING PONDS



**'NO SMOKING' WARNING BOARD**





## APPROACH ROAD



Unnamed Road, Thrippangottur, Kerala 670693, India

Latitude

11° 47' 59.796" N

Longitude

75° 40' 26.706" E

Local 01:05:09 PM

GMT 07:35:09 AM

Altitude 449 meters

Wednesday, 20.03.2024

MONITORING PHOTOS



# **CONSENT FROM KSPCB**

**FILE NO : KSPCB/KN/ICO/10005886/2022**

**Date of issue : 29-06-2022**



**KERALA STATE POLLUTION CONTROL BOARD**

**CONSENT TO**

**OPERATE/AUTHORISATION/REGISTRATION**

**ISSUED UNDER**

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

**As per Application No. : 10005886**

**Dated : 25-06-2022**

**To**

**QUARRY OWNED BY JOVIN GEORGE  
PATHIKAL, POYILOOR.P.O., KANNUR DIST.**

**Consent No. : KSPCB/KN/ICO/10005886/2022**

**Valid Upto : 31-05-2027**



## 1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit

1	<b>VALIDITY</b>	31-05-2027
2	Name and Address of the establishment	QUARRY OWNED BY JOVIN GEORGE PATHIKAL, POYILOOR.P.O., KANNUR DIST.
3	Occupier Details	Jovin George Madathinamattathil House palissery thalassery PO Thalassery Kannur Dist. Pin 670101
4	Local Body	Thrippangotur Grama Panchayath
5	Survey Number	275/1A
6	Village	Thrippangottur
7	Taluk	Thalassery
8	District	KANNUR
9	Capital Investment(Rs in Lakhs)	113.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	25000.0
	Total Fee remitted(Rs)	125000.0
13	Activity	Granite Rubbles quarrying in 4.5180 Ha (1500 MT Per day)
14	Machinery details	NA

## 2. CONDITIONS AS PER

The Water (Prevention and Control of Pollution) Act, 1974

2.1. Sewage/Effluent Treatment Plant consisting of treatment units having adequate capacity shall be made functional as per the proposal submitted along with the application, before the commissioning of the establishment. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1)(g) of the Water Act shall also be made alongwith.

Water Consumption : 5000 L/D

Effluent Generation : 4000 L/D

The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

Mode of disposal of treated effluent :

## 3. CONDITIONS AS PER The Air (Prevention and Control of Pollution) Act, 1981

3.1. Adequate air pollution control measures shall be provided before the commissioning of the industry/establishment/DG set. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate (Nm <sup>3</sup> /Hr)	Stack Height above		Control Equipments
			Ground Level	Roof Level	

3.2. Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm <sup>3</sup> )
--------	-----------	--

## 4. CONDITIONS AS PER The Environment (Protection) Act, 1986

4.1. The construction activities as well as the operation of the industry / DG set shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

4.2. Used lead acid batteries, if any shall be disposed of in compliance with the provisions of the Batteries (Management and Handling) Rules, 2001

4.3. E-waste shall be disposed of in compliance with the E-Waste (Management) Rules, 2016.

4.4. The solid waste generated shall be treated and disposed of in compliance with the provisions of the Solid Waste (Management) Rules, 2016.

4.5. The plastic waste generated shall be disposed of in compliance with the provisions of the Plastic Waste (Management) Rules, 2016.

4.6. The hazardous waste generated in the unit shall be disposed of in compliance with the provisions of the Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016

4.6.1. Activities for which Authorisation is granted

Collection	Transport
------------	-----------

Reception		Storage	
Treatment		Reprocessing/Disposal	

4.6.2. Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows:

Sl.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
Mode of			
Storage		Disposal	

### **SPECIFIC CONDITIONS**

**5.1. This consent is granted subject to the power of the Board to review and make variation in or revoke any of the conditions as the Board deems fit as per the relevant Acts/Rules.**

**5.2. The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.**

**5.3. For renewal of the consent in case of continuance of discharge/operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board keralapcbonline.com 2 months prior to the date of expiry. Late application will be accepted only with fine.**

**5.4. No change or alteration of the industrial plant is to be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/authorised agent is to be intimated to the Board forthwith.**

**5.5. This consent is granted on the basis of the affidavit furnished by the applicant. If the statement furnished in the affidavit find false, the consent issued will be revoked and prosecution will be launched against the unit.**

**5.6 The location of the quarry shall be as per the approved drawing attached**

**5.7 .There shall be minimum distance of 50m from the quarrying point to nearest residence as per PCB/HO/Circular-01/03/2017/B dated 10.10.2017.**

**5.8. Boundary shall be fenced before operation of quarrying activities.**

**5.9. The concentration of PM10 at the boundary shall not exceed 100 microgram/m3.**

**5.10. After extraction at the site is completed, the land may be used for rain water harvesting with protective barriers/any other suitable approved purpose or may be reclaimed.**

**5.11. The applicant shall comply with the instructions that the Board may issue from time to time regarding the prevention and control of Air, Water, Land and Sound Pollution.**

**5.12. No change or alteration of the quarrying area is to be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/ authorized agent is to be intimated to the Board forthwith.**

**5.13. The ambient air quality measured at 1 m outside the boundary of the premises shall not exceed the ambient air quality applicable to the adjoining area.**

**5.14. The sound level measured at 1 m outside the boundary of the premises shall not**

exceed the ambient sound level applicable to the adjoining area.

**5.15. Suitable species of trees and curtain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.**

**5.16. The consentee shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions.**

**5.17. Bench cutting method shall be adopted for quarrying.**

**5.18. Blasting shall be done with prior signals in specified time. No. of blasting shall not exceed 10nos.at a time.**

**5.19. 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.**

**5.20. 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.**

**5.21. Valid Environmental clearance shall be submitted to this office to ensure validity of this consent.**

**5.22. The applicant shall submit copies of all relevant permits/ lease/certificate/licences periodically to this office to ensure the validity of this consent.**

Digitally signed by ANITA KOYAN  
Date: 2022.06.29 16:33:18 IST

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER

## MAGAZINE LICENCE

अनुज्ञप्ति प्रारूप 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/SE/KL/22/18(E85231)

वार्षिक फीस रूपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

JOVIN GEORGE (अधिभोगी / Occupier : JOVIN GEORGE), Madathimattathil House, Palisseri, Thalassery P.O., Thalassery,  
Kannur, Town/Village - Palisseri, District-KANNUR, State-Kerala, Pincode - 670101

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रकृति। Status of licensee : Individual

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमानी है।

Licence is valid only for the following purpose.

: possess for use of Nitrate Mixture, Safety Fuse, Electric and/or Ordinary  
Detonators, - के उपयोग के लिए

4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमानी है।

Licence is valid for the following kinds and quantity of explosives:- (क) (a)

क्र. सं.	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	300 Kgs.
2.	Safety Fuse	6,1	0	2000 Mtrs
3.	Electric and/or Ordinary Detonators	6,3	0	3000 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(b) and (c) :

: 25 times  
: as above.

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

The licensed premises shall conform to the following drawing(s) :

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/18(E85231)

दिनांक (Dated) 05/03/2015

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

Survey No. 275/1A, ग्राम (Town/Village) : Tripangotur

पुलिस थाना (Police Station) : Kolavalloor

जिला (District)

KANNUR

राज्य (State)

Kerala

पिनकोड (Pincode)

670693

दूरभाष (Phone)

9447485245

ई-मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्भूत हैं।

The licensed premises consist of following facilities.

: Two cemented magazines

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.

- उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निकटन संबंधी और अन्य विवरण दर्शाते हुए)।  
Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।  
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्रारूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2019 तक विधिमानी रहेगी। This licence shall remain valid till 31st day of March 2019.

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 अधिकतम करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंज्ञित 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.

तारीख | The Date - 05/03/2015

उप मुख्य विस्फोटक नियंत्रक | Dy. Chief Controller of Explosives  
Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 08/08/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/10/2018
- Amendment in Drawings/Facilities/Premises dated : 27/03/2023
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 27/03/2023

Transfers :

- Change in Licensee Name/Address/Status dated : 10/07/2017

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
15/03/2024	31/03/2029	Dy. Chief Controller of Explosives, Ernakulam

**कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडित अपराध होगा।**  
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Note :- This is system generated document does not require physical signature. Applicant may take printout for

PANCHAYAT LICENCE

File ref.No. 11631

\* Validity of licence extended up to 31/03/2026 as per order no: B3-3935/21  
Secretary, Thriprangottur Grama Panchayat



**T. P. MUSTHAFA**  
Secretary  
Triprangottoor Grama Panchayat  
Kallikkandy P. O.

നമ്പർ: 103/2021-2022/A-3/B3-1211/21

തീയതി: 12/04/2021

**തൃപ്രങ്ങോട്ടൂർ ഗ്രാമപഞ്ചായത്ത്**

കല്ലിക്കണ്ടി പി.ഒ., കണ്ണൂർ (ജില്ല)

ഫിൻ: 670693, ഫോൺ: 0490-2462034, ഇ-മെയിൽ : triprangottoorgp@gmail.com

വ്യവസായം, വാണിജ്യം, സംരക്ഷകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള  
ലൈസൻസ്

(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FACTEOS ലൈസൻസ് ചട്ടങ്ങൾ 1996)

ലൈസൻസിയുടെപേര്	ജോവിൻ ജോർജ്ജ്		
ലൈസൻസിയുടെ മേൽവിലാസം	മാത്തിനാമറ്റത്തിൽ ഹൗസ്,പാലിശ്ശേരി,തലശ്ശേരി		
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	കാറി		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ ഖനനം നടത്തുന്നതിന്		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	II/റിസ.275/1A		
ലൈസൻസ് കാലാവധി	01/04/2021	മുതൽ 31/03/2022	വരെ *
ലൈസൻസ് ഫീസ് മോട്ടോർ ഫീസ് തൊഴിൽ നികുതി	തുക	രസീത് നമ്പർ	തീയതി
	5000 /- രൂപ	120010106567	27/03/2021
		120010106567	27/03/2021
	2500 /- രൂപ	120010106568	27/03/2021

ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)

1. PCB യുടെ 08/05/2020 ലെPCB/KNR/ICO-R/488/2020 നമ്പർ നിരാക്ഷേപ പത്രം, ( VALIDITY 30/04/2025),PCB യുടെ 19/06/2018 ലെPCB/KNR/ICO-R/360/17 നമ്പർ നിരാക്ഷേപ പത്രം ( VALIDITY 30/04/2025)
2. Department of Mining and Geology Kannur,Consent NO 367/2018-2019,3326/M3/2018/DMG Dated 16/08/2018 ,Department of Mining and Geology Kannur,Consent NO 409/2017-18/8825/M3/2016/DMG Dated 04/10/2017
3. ചീഫ് കൺട്രോളർ ഓഫ് എക്സ്പ്ലോസീവ് ലൈസൻസ് ( No. E/SC/KL/22/18(E85231) Renewed upto 31/03/2024).



SECRETARY  
TRIPRANGOTTOOR GRAMA PANCHAYAT  
KALLIKKANDY P. O. KANNUR DIST.  
തൃപ്രങ്ങോട്ടൂർ ഗ്രാമപഞ്ചായത്ത്

# BOARD OF PPE



Unnamed Road, Thrippangottur, Kerala 670693, India

Latitude  
11° 48' 4.752" N

Longitude  
75° 40' 38.82" E

Local 11:58:01 AM  
GMT 06:28:01 AM

Altitude 383 meters  
Wednesday, 20.03.2024

**E.C BOARD**





MAGAZINE



# MONITORING REPORTS



## GLOBAL ENVIRONMENT & MINING SERVICES

(Consulting Engineers, Mine designers, Geologist & Surveyors)

NABL & MOEFCC RECOGNIZED LABORATORY

3<sup>rd</sup> Main Road, Basaveswara Badavane,

HOSPETE - 583201, Dist., Vijayanagara (Karnataka)

Ph : +918394 229433, 295018

e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in

GEMS-LD/TF/11/01  
Date: 01.05.2024

### Analysis Report of Ambient Air Quality Monitoring


1	Name of the Customer/Address	:	GRANITE BUILDING STONE QUARRY OF <b>Shri. Jovin George</b> Extent: 4.5180 Ha. Sy. No. 275/1A Tripangottur Village, Thalassery Taluk, Kannur District, Kerala State.
2	Sample Description	:	Ambient Air Quality Monitoring
3	Sample Collected By	:	GLOBAL Environment & Mining Services
4	Particulars of Sample Collected	:	Combined Sampler (GTI-241)
5	Duration of the Monitoring	:	24 Hour of Sampling
6	Location of Monitoring	:	<b>Core zone area (A1)</b>
7	Report Number	:	ULR-TC532324000001985F

### Results

Date of Monitoring	PM10 [ $\mu\text{g}/\text{m}^3$ ]	PM2.5 [ $\mu\text{g}/\text{m}^3$ ]	SO <sub>2</sub> [ $\mu\text{g}/\text{m}^3$ ]	NO <sub>2</sub> [ $\mu\text{g}/\text{m}^3$ ]
	IS : 5182: (Part 23) 2006 (RA 2012)	USEPA 2001	IS : 5182:(Part 2) 2001 (RF 2014)	IS : 5182:(Part 6) 2006 (RF 2014)
27.05.2024	58.2	19.9	13.0	12.5
<b>Standard</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

INFERENCE	As per CPCB Standards, Report Status: - Measured Values for the above parameters are within the limit.
-----------	---

\*\*End of Report\*\*

  
**Analyzed By**  
J.M. Thippeswamy  
Chemist

  
**Authorized Signatory**  
K. Ramakrishna Reddy  
Technical Manager



- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

#### **Note:**

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GEMS-LD/TF/11/01

Date: 01.05.2024

### Analysis Report of Ambient Air Quality Monitoring

1	Name of the Customer/Address	:	GRANITE BUILDING STONE QUARRY OF <b>Shri. Jovin George</b> Extent: 4.5180 Ha. Sy. No. 275/1A Tripangottur Village, Thalassery Taluk, Kannur District, Kerala State.
2	Sample Description	:	<b>Ambient Air Quality Monitoring</b>
3	Sample Collected By	:	GLOBAL Environment & Mining Services
4	Particulars of Sample Collected	:	Combined Sampler (GTI-241)
5	Duration of the Monitoring	:	24 Hour of Sampling
6	Name of the Station	:	<b>Narikkod</b>
7	Report Number	:	ULR-TC532324000001986F

### Results

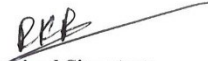
Date of Monitoring	PM10 [ $\mu\text{g}/\text{m}^3$ ]	PM2.5 [ $\mu\text{g}/\text{m}^3$ ]	SO <sub>2</sub> [ $\mu\text{g}/\text{m}^3$ ]	NO <sub>2</sub> [ $\mu\text{g}/\text{m}^3$ ]
	IS: 5182: (Part 23) 2006 (RA 2012)	USEPA 2001	IS: 5182: (Part 2) 2001 (RF 2014)	IS: 5182: (Part 6) 2006 (RF 2014)
28.05.2024	47.9	18.4	10.0	11.9
<b>Standard</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>

INFERENCE	As per CPCB Standards, Report Status: - Measured Values for the above parameters are within the limit.
-----------	---

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



**Analysed By**  
J.M. Thippeswamy  
Chemist



**Authorized Signatory**  
K. Ramakrishna Reddy  
Technical Manager



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e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in

GEMS-LD/TF/11/01  
Date: 01.05.2024

### TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

- 1 Name of the Customer/Address : GRANITE BUILDING STONE QUARRY OF  
**Shri. Jovin George**  
Extent: 4.5180 Ha.  
Sy. No. 275/1A  
Tripangottur Village, Thalassery Taluk,  
Kannur District, Kerala State.
- 2 Sample Description : **Ambient Noise Level monitoring**
- 3 Sample Collected By : GLOBAL Environment & Mining Services
- 4 Particulars of Sample Collected : Noise Level Meter (Equinox-107)
- 5 Duration of the Monitoring : 24 Hours Sampling
- 6 Date of Analysis Completion : 28.05.2024
- 7 Report No : ULR-TC532324000001987F

#### Results

Date	27.05.2024	28.05.2024
Name of the Location	Core Zone	Narikkod
Time (hrs)	N1	N2
6.00	37.2	34.2
7.00	38.3	38.2
8.00	43.4	40.1
9.00	48.9	42.5
10.00	58.5	51.4
11.00	57.2	54.2
12.00	55.8	52.8
13.00	55.4	52.3
14.00	54.1	49.5
15.00	55.0	53.1
16.00	54.4	53.1
17.00	57.8	53.9
18.00	53.5	49.1
19.00	52.5	46.1
20.00	49.4	46.9
21.00	45.2	40.9
22.00	45.3	42.2
23.00	42.4	40.4
00.00	38.4	37.2
01.00	39.4	33.0
02.00	37.1	33.9
03.00	36.7	31.8
04.00	36.2	35.3
05.00	36.2	33.5



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ULR-TC532324000001987F		
<b>L max</b>	58.5	54.2
<b>L min</b>	36.2	31.8
<b>Ld</b>	54.3	50.6
<b>Ln</b>	39.9	37.2
<b>Leq</b>	52.4	48.7

Area Code	Category of Area	Limit in dB(A) Leq	
		Day Time	Nighttime
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Area	50	40

Note	Day time shall mean from 6:00 am and 10.00 pm
	Night time shall mean from in between 10.00 pm and 5.00 am
	Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
	Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority
	*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which relatable to human being
	A "decibel" is a unit in which noise is measured
	"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
Leq: It is energy mean of the noise level over a specified period.	



*RPP*  
**Authorized Signatory**  
 Technical Manager

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e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in

GEMS-LD/TF/11/01

Date: 01.05.2024

### ANALYSIS REPORT OF WATER QUALITY DATA

GRANITE BUILDING STONE QUARRY OF

**Shri. Jovin George**

- 1 Name of the Customer/Address : Extent: 4.5180 Ha.  
Sy. No. 275/1A  
Tripangottur Village, Thalassery Taluk,  
Kannur District, Kerala State.
- 2 Sample Collected By : GLOBAL Environment & Mining Services
- 5 Date of sample collection : 27.05.2024
- 6 Date of sample Received : 29.05.2024
- 7 Date of sample Analyzed : 30.05.2023
- 8 Report Number : ULR-TC53232400001988F

Sl. No.	Parameters	Unit	Result	Test Protocol	Requirement/Limit IS : 10500 : 2012	
					Acceptable	Permissible
1.	pH	-	6.94	APHA 22 <sup>nd</sup> Edition 2012 4500 B (Pg No. 4-92 to 4-96)	6.5	8.5
2.	Colour*	Hazen	<5	IS: 3025 (PART 14)- 1984, RA- 2012 Platinum cobalt Method	5	15
3.	Taste*	-	Ag	IS 3025 Part 8 1984	Ag	Ag
4.	Odour*	-	Ag	IS: 3025 (Part 5) – 1983, Ra-2012, True Odour	Ag	Ag
5.	Turbidity	NTU	1.43	APHA 22 <sup>nd</sup> Edition 2012 2130 B (Pg No. 2-14)	1	5
6.	Conductivity	µS/cm	182	APHA 22 <sup>nd</sup> Edition 2012 2510 B (Pg No. 2-54)	-	-
7.	Total Dissolved Solids	mg/L	174	APHA 22 <sup>nd</sup> Edition 2012 2540 B (Pg No. 2-65)	500	2000
8.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	76	APHA 22 <sup>nd</sup> Edition 2320 B (Pg No. 2-35)	200	600
9.	Total Hardness as CaCO <sub>3</sub>	mg/L	175	APHA 22 <sup>nd</sup> Edition 2012 2340 C (Pg No. 2-46)	200	600
10.	Calcium as Ca	mg/L	49	APHA 22 <sup>nd</sup> Edition 2012 3500 Ca B (Pg No. 3-84)	75	200
11.	Magnesium as Mg	mg/L	35	APHA 22 <sup>nd</sup> Edition 2012 3500 B-Mg By Calculation	30	100
12.	Chloride as Cl	mg/L	16.9	APHA 22 <sup>nd</sup> Edition 2012 4500 Cl (Pg No. 4-72)	250	1000
13.	Sulphate as SO <sub>4</sub>	mg/L	42	APHA 22 <sup>nd</sup> Edition 2012 4500 SO4 – E (Pg No. 4-190)	200	400
14.	Nitrates as NO <sub>3</sub>	mg/L	9.1	APHA 23 <sup>rd</sup> Edition - 4500 NO <sub>3</sub> – E (Pg No. 4-131 to 4-132)	45	NR
15.	Nitrate Nitrogen as NO <sub>3</sub>	mg/L	30	APHA 22 <sup>nd</sup> Edition 2012 4500 NO3 E (Pg No. 4-125 to 4-127)	45	No relaxation



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16.	Fluoride as F	mg/L	0.42	APHA 23 <sup>rd</sup> Edition 2017 4500 F-D (Pg No. 4-90 to 4-91)	1.0	1.5
17.	Iron as Fe	mg/L	0.37	APHA 23 <sup>rd</sup> Edition – 3500 Fe-B (Pg No. 3-80 to 3-82)	0.3	NR
18.	Sodium as Na	mg/L	7.2	APHA 23 <sup>rd</sup> Edition 2017 Na 3500 B (Pg No. 3-99 to 3-100)	-	-
19.	Potassium as K	mg/L	0.63	APHA 23 <sup>rd</sup> Edition 3500 K B (Pg No. 3-89 to 3-90)	-	-
20.	BOD 3 days at 27° C	mg/L	NIL	IS:3025 (P.44) – 1993 , RA-2014,	-	-
21.	COD as O2	mg/L	NIL	APHA 23 <sup>rd</sup> Edition 5220 C (Pg No. 5-18 to 5-19)	-	-
22.	Oil & Grease	mg/L	NIL	APHA 23 <sup>rd</sup> Edition 5520 B (Pg No.5-41 to 5-42)	0.5	NR
23.	Cadmium as Cd*	mg/L	<0.001	APHA 23 <sup>RD</sup> Edition-3111 –B (Pg No.3-20 to 3-21)	0.003	NR
24.	Copper as Cu	mg/L	<0.001	APHA-23 <sup>RD</sup> Edition 3111-B (Pg No.3-20 to 3-21)	0.02	1.5
25.	Nickel as Ni	mg/L	<0.001	APHA-23 <sup>RD</sup> Edition-3111 –B (Pg No. 3-20 to 3-21)	0.02	NR
26.	Zinc as Zn	mg/L	<0.1	APHA-23 <sup>RD</sup> Edition-3111-B (Pg No. 3-20 to 3-21)	5	15
27.	Salinity*	PPT	NIL	APHA-23 <sup>RD</sup> Edition-3111-B (Pg No. 3-20 to 3-21)	-	-
28.	Total Phosphorous	mg/L	<0.01	APHA-23 <sup>RD</sup> Edition 4500-D (Pg No. 4-154)	-	-
29.	Total Coliforms*	MPN/ 100ml	Ab	APHA 22 <sup>nd</sup> Edition 9222 B (Pg No.9-78)	-	-
30.	Feecal Coliforms	MPN/ 100ml	Ab	APHA 22 <sup>nd</sup> Edition 9222 D (Pg No.9-85)	-	-
31.	Phyto Plankton*	Unit/L	Ab	APHA 23 <sup>rd</sup> Edition 10200 F (Pg No.10-17)	-	-

Note: BDL Below Detectable Limit

Ag: Agreeable  
NR: No Relaxation  
RA: reaffirmed  
Ab: Absent

Location: Narikkod

**\*\*End of report\*\***

Analyzed By  
Chemist



Authorized Signatory  
Technical Manager

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