

ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

October 2024 – March 2025

For

**Granite Building Stone Quarry
of**

M/s MARTHOMA GRANITES

At

Extent : 7.4590 Ha

Sy. Nos. : 8/9

Village : Alakkodu

Taluk : Thodupuzha

District : Idukki

State : Kerala

**EC File No: 1413(A)/EC1/2019/SEIAA Dated:
01.07.2023.**



MARTHOMA GRANITES

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📍 Edavetty P O, Thodupuzha
Idukki District, Kerala 68558
GSTIN: 32AAOFM6408Q1ZQ

Date: 25/10/2025

To,

The Deputy Director of Forests(c)MoEF, Inetgrated
Regional office, Kedriya Sadan, 4th Floor, E&F
Wings, 17th Main Road, Koramangala II
Block, Bangalore - 560 034

Respected Sir,

Sub: Environmental Clearance Compliance Report for the period October 2024 - March 2025
pertaining to 'Granite Building Stone Quarry of M/s Marthoma Granites'.

Ref: Environmental File No: 1413(A)/EC1/2019/SEIAA, Dated: 01.07.2023

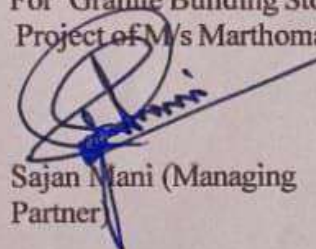
As per conditions of the above referred Environmental Clearance (EC), please find enclosed compliance report for period from October 2024 - March 2025 of the EC Granted 'Granite Building Stone Quarry Project M/s Marthoma Granites' by Ministry of Environmental & Forest under EPA (1986). Also enclosed 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
Project of M/s Marthoma Granites'.


Sajan Mani (Managing
Partner)



Encl: as above

Cc: The Member Secretary

State Environment Impact Assessment Authority SEIAA) Directorate of
Environment & Climate Change
4th Floor, KSRTC Bus Terminal,

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Introduction

M/s Marthoma Granites, Alakkodu Village, Thodupuzha Taluk, Idukki, Kerala, has been granted for a mining lease to quarry Granite Building Stone over an area of 7.4590 Ha. in Sy. Nos 8/9, in Alakkodu Village, Thodupuzha Taluk, Idukki, Kerala, State.

The Environmental clearance is also obtained for this mining lease vide File no 1413(A)/EC1/2019/SEIAA, Dated: 01.07.2023.

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Description of the project

File No.	1413(A)/EC1/2019/SEIAA
Name of the project	Quarry Project of M/s Marthoma Granites (Minor Mineral)
District and state	Idukki, Kerala
Taluk / Mandal	Thodupuzha
Category & Schedule	B2 & Schedule 1(a)
Khasara No. / Plot No. / Block / Gate No. etc.,	Sy. No. 8/9,
Extent of Area	7.4590 Ha.
Ownership/ Occupancy	Government land on lease
Existence of public road/railway line, if any, nearby and approximate distance Nearest Port / Airport	Nearest airport - Cochin airport, 60 km Nearest railway line - Piravom Road Station, 40 km
Latitude & Longitude	N-09°55'34.4" to N-09°55'49.2" E-76°45'55.6" to E-76°46'09.8"
Address of Registered office	MARTHOMA GRANITES M/s Marthoma Granites, Edavetty P.O., Thodupuzha, Idukki, Kerala 685588

Compliance for the Site-specific conditions & General conditions for the EC granted mining project of 'Granite Building Stone Quarry of M/s Marthoma Granites vide E. C. File No: 1413(A)/EC1/2019/SEIAA, dated: 01.07.2023 is done and details are mentioned below.

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SPECIFIC CONDITIONS:

Sl. No	Condition	Status of Compliance
1	The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.	• Mining operations will be carried out as per the approved Mining Plan. The specific conditions mentioned were scrupulously followed.
2	The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.	Agreed, and a copy of the lease order is enclosed for your reference Annexure- 1
3	The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.	Ensuring mining operations are conducted in a scrupulously sustainable manner.
4	Progress of implementation of approved remediation and damage assessment plan should be incorporated in HYCR	Implementation of remediation and damage assessment plan, few works have been undertaken and completed as following. • Dust suppression & water spraying system paved road in village in the project vicinity during summer months, we provided 7 KLD capacity of water tanker with sprinkler. Annexure-2

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5	Development of green belt using indigenous species should be initiated prior to the commencement of mining.	For the development of the green belt using indigenous species were planted along the transport road on both sides. In every HYCR to ensure compliance partially taken up in a phased manner, photo will be included in the next HYCR
6	The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.	The impact of blast-induced vibrations on houses and built structures within 200 meters will be monitored regularly. Charging of each blast hole with a minimum of 0.375 kg to a maximum of 0.500 kg, and using 250-300 ms Nonel for initiation down the hole & surface delay. The total quantity of explosive used per round is 12.5 kg depending on strata condition, and PPV will be approximately less than 0.3 mm/s.
7	Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.	Drainage system was incorporated prior to the commencement of mining for the surface runoff. We made an arresting wall across the canal to prevent soil erosion and sedimentation of suspended particles. From the siltation pond, laden water will be treated and discharged to allow clean water to outflow; it is connected to the southeast flow of the natural drain. • Photo of silt traps & siltation pond see Annexure-3

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8	Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration	From the siltation pond, laden water will be adequately treated and discharged to allow clean water to flow; it is connected to the southeast natural drain. • Annexure-4
9	Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).	Garland drains, silt traps, siltation ponds, and outflow channels were desilted periodically, • Geotagged photographs are enclosed for your reference. Annexure-5
10	Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.	The drainage water is monitored in every season by an NABL-accredited lab, and only clear water is allowed to be discharged into the natural drain. • The drainage water sampling site photo & lab report enclosed for the reference in Annexure -6
11	Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites	The overburden is currently being stored at the designated location as per the approved mining plan. Construction of gabion walls around the topsoil and overburden storage sites will be undertaken shortly to ensure stability and prevent erosion.
12	CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.	The CER (Corporate Environment Responsibility) Plan will be implemented within the first two years of mining operations in consultation with the local Panchayat officials.
13	Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).	Transportation of mined material is scheduled to avoid peak traffic hours and will not be carried out during the forenoon (8:00 AM to 10:00 AM) and afternoon (3:30 PM to 5:00 PM) periods.

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14	Adequate sanitation, waste management and rest room facilities should be provided to the workers.	Adequate sanitation, waste management, and restroom facilities are provided to all workers at the site.
15	Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.	The EMC proceedings of the monthly minute of the meeting register maintained for the purpose and submitted along with the HYCR. • EMC minutes of meeting see Annexure-7
16	Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.	For the development of the green belt using indigenous species saplings were planted along the haulage road on both sides • Photo will be included in the next HYCR
17	Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.	Adequate energy conservation measures will be implemented, including the installation of solar-powered light in the next HYCR
18	Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority	Adequate facilities for rainwater harvesting will be developed.

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19	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.	Blasting mats is being used during rock blasting operations. • Photo enclosed for your reference Annexure –8
20	As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support.	The Environment Management Plan (EMP) has been prepared, and the Corporate Environmental Responsibility (CER) activities are being implemented as suggested. • Copy is enclosed for your reference Annexure-9
21	In the wake of occurrence of large-scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of EC Identification No. - EC23B000KL128115 File No. - 1413(A)/EC1/2019/SEIAA Date of Issue EC - 01/07/2023 Page 6 of 21 Content	• NONEL (Non-Electrical) technology is being used for blasting to reduce vibrations.

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22	As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF & CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.	Scrupulously following the directions contained in all the reclamation & rehabilitation environmental status reports will be uploaded in the next HYCR.
23	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.	Agreed

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GENERAL CONDITIONS

Sl. No	Conditions	Status of compliance
1	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.	We are scrupulously following all the conditions stipulated in the EC. Notarized affidavit copy see Annexure-10
2	All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.	All statutory clearances were obtained. - Copy of Magazine license see Annexure – 11A - Consent to operate from KSPCB is attached Annexure-11B - Copy of panchayat license see Annexure-11C
3	The project proponent should advertise in newspapers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in . The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	The accorded environmental clearance (EC) report has been advertised in two local newspapers widely circulated in the region. Newspaper advertisement copy enclosed for your reference. Annexure-12

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4	The proponent shall send a copy of the EC 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 Environmental Clearance shall also be uploaded on the website of the company.	A copy of the EC letter was sent to the Gram Panchayat and also concerned departments.
5.	The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.	The lease area has been properly fenced, and the boundary indicators have been erected as required and properly maintained all the times • Photos of the boundary pillars see Annexure-13A • photos of the fencing see Annexure-13B
6	The details 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 size of 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.	The Environmental Clearance details are clearly displayed on a metallic board with the specified dimensions. • The photo of EC Board see Annexure-14
7	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.	Explosives are stored in Magazine in isolated place specified and approved by the Explosives Department. • Explosive Magazine. • Rubber mats are used to minimize fly rock, aiming to keep the maximum Peak Particle Velocity (PPV) below 10. • Photos of Magazine & rubber mats Annexure-15

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8	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.	Warning alarms indicating the time of blasting have been arranged as per the specific timings stipulated by the Explosives Department to ensure safety and compliance during blasting operations. • Photo of warning alarm See Annexure-16
9	Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.	The access road to the quarry is properly maintained to minimize dust emissions during transportation activities. Minerals are transported in covered trucks to effectively control dust. • Photo of access road See Annexure- 17
10	A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayat and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.	Agreed.
11	Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby.	Mining operations will be carried out as per the approved Mining plan.
12	The quarrying operation (Blasting) shall be restricted between 7 AM and 5PM.	Quarrying operations, including blasting, are carried out strictly between 7:00 AM and 5:00 PM in accordance with regulatory guidelines.

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13	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Rainwater harvesting will be installed as per KMBR/KPBR norms, and solar energy will be maximally utilized as an essential component of the project.
14	Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.	Mining depth will be restricted above the groundwater level, and no mining activities will be conducted in areas with a slope exceeding 45°.
15	The height of any bench shall not exceed five meters and breadth shall not be less than the height.	Benches are being properly maintained with the height and breadth in compliance with safety standards, ensuring stability and effective mining operations. • Photos of the working benches see Annexure -18
16	The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are 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.	There is no perennial or intermittent natural water course near the mine area.

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17	A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.	A minimum buffer distance, as specified by existing rules and statutory orders, is being maintained from the boundary of the quarry to the nearest dwelling units.
18	The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent.	Scrupulously followed
19	The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad-leaved plants.	The vegetation in the buffer will be strengthened and maintained with the addition of native broad-leaved plants in buffer zone. • Buffer Zone vegetation photos will be included in the next HYCR

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20	Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.	Scrupulously followed
21	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Noted.
22	Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	Noise and vibration control measures, as per KSPCB guidelines, will be strictly followed. Quarrying operations are currently being carried out during daytime hours only.
23	Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.	Periodical monitoring of the ground vibration was conducted, and a study report record was kept for inspection. The vibration study report is enclosed for your reference. Annexure-19

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24	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.	The speed of trucks entering or leaving the mine site is restricted to 25 km/h, as per the prescribed guidelines. Speed limit sign board displayed Annexure-20
25	Acoustic enclosures should be 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 standard limit indicated by CPCB/KSPCB.	Will be complied.
26	Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise/ control the blasting operations	Blasting operations are conducted using the NONEL technique. And all blasting activities are supervised by a licensed competent person mines manager, and a foreman has been appointed.
27	Measures should be taken for maintaining noise levels below 85 dBA in the work <u>environment</u> .	Proper measures were taken to maintain noise levels below 85dB. and the corresponding reports are see Annexure -21
28	Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.	Noted.
29	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 compliance reports to SEIAA.	Not applicable since no perennial nallahs flowing in and around the mine lease area.

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30	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, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.	Catch drains and siltation ponds will be constructed to prevent run off. Catch drains and siltation pond photos see Annexure-22
31	Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures Shall be carried out.	Regular monitoring of ground water has been conducted and quality report is enclosed see Annexure-23
32	Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De- silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.	Garland drains and siltation ponds will be constructed around the core area to channelize stormwater effectively. Garland drains and siltation pond photos see Annexure-24

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33	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 environmental parameters/impacts as assessed, based on which the E.C was issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.	Noted.
34	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.	Noted.

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35	The top soil, if any, shall be temporarily stored at earmarked place (s) and 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 8m and width 20m and overall slope of the dumps shall be maintained at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.	Noted all the points scrupulously followed. Top soil and overburden are dumped separately in designated place and will be utilized for plantation purpose.
36	All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.	Mining equipment's will be maintained regularly and spent oils will be used as lubricants.
37	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area.	Only 'PUC' certified vehicles are used for transportation purposes.

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38	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of PM ₁₀ and PM _{2.5} . 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 is being used to control dust emissions. • Ambient Air quality monitoring photos were attached as Annexure-25A • Photos of Dust suppression see Annexure-25B
39	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.	Fugitive dust emissions from all sources are consistently controlled through regular water sprinkling. • Photo of water sprinkling see Annexure-26
40	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure.	CER activities are being carried out as prescribed by SEIAA/SEAC. Contribution to the society and the environment is our moto. • The certificates from the beneficiaries see Annexure-27
41	The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.	All workers are equipped with necessary protective gear, including ear muffs, helmets, and other safety equipment, to ensure a safe working environment.

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42	The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.	Insurance protection to the workers affidavit see Annexure-28
43	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. The report of health surveillance programme should be included in the half yearly compliance reports.	An occupational health surveillance program of the workers will be undertaken periodically, and initial and periodical medical examinations of workers' medical reports will be submitted next HYCR.
44	The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco-friendly manner.	Agreed.
45	If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.	Agreed.
46	Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure, will lead to suspension of all EC obtained for mining by the proponent.	Noted
47	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.	Agreed.

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48	The proponent shall submit Half Yearly Compliance Reports (1 st of June & 1 st of December) 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 be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31 st March every year.	Agreed.
49	The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.	Agreed.
50	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Noted.

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51	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.	Noted.
52	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.	Noted.
53	The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.	Agreed.
54	Any appeal against this Environmental 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.	Noted
55	Concealing the factual data or submission of the 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 the provisions of environment (Protection) Act,1986.	Noted.
56	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.	Noted

Compliance Report for the period of October 2024 – March 2025
Granite Building Stone Quarry Project of M/s Marthoma Granites

57	As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the Height.	The height and width of the bench are being properly maintained.
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For 'Granite Building Stone Quarry project of M/s Marthoma Granites'


Sajan Mani
(Managing Partner)

Date: 25/10/2025



**PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY
THIRUVANANTHAPURAM, KERALA
(Present : Dr.K.Harikumar IAS)**

Sub: Department of Mining & Geology - Mines & Minerals - Minor Mineral Granite (Building Stone) - Quarrying Lease to M/s.Marthoma Granites, 11/131A, Edavetty.P.O, Thodupuzha, Idukki, Pin-685588 (Represented by its Managing Partner Sri.Sajan Mani) - sanctioned - orders - issued - reg.

- Ref: 1. Application dated 27.09.2023 from M/s.Marthoma Granites, 11/131A, Edavetty.P.O, Thodupuzha, Idukki, Pin-685588 (Represented by its Managing Partner Sri.Sajan Mani)
2. Letter No.DOIDU-DMG/1258/2023-M dated 16.1.24, 13.5.24, 01.6.24 & 16.10.2024 from the Geologist, District Office, Idukki
3. Letter of Intent No.DMG/364/2024-M4 dated 31.07.2024 issued by Director of Mining and Geology
4. Environmental clearance No.107/Q/2023 dated 01.07.2023 (vide Proposal No.SIA/KL/MIN/83001/2017) by the State Environment Impact Assessment Authority, Kerala
5. Integrated consent to operate No.KSPCB/ID/ICO/10068597/2024 dated 27.9.2024 issued by Kerala State Pollution Control Board, Idukki (valid upto 30.06.2028)
6. Explosive License No.E/SC/KL/22/1761(E70839) dated 29.08.2023 issued by Petroleum and Explosives Safety Organization, Ernakulam (valid till 31.03.2027)
7. Factories, Trades, Entrepreneurship Activities & Other Services (FTEAOS) Licence No.B3-3523/2024 dated 10.10.2024 issued by the Secretary, Idavetty Grama Panchayat (valid till 31.3.2025)
8. Mines and Minerals (Development & Regulation) Act, 1957
9. Kerala Minor Mineral Concession Rules, 2015 and Kerala Minor Mineral Concession (Amendment) Rules, 2023
10. Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015 and Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) (Amendment) Rules, 2023

No.583 /2024-25/DMG/364/2024-M4 Thiruvananthapuram 17-12-2024

ORDER

M/s. Marthoma Granites, 11/131A, Edavetty.P.O, Thodupuzha, Idukki, Pin - 685588 (Represented by its Managing Partner Sri.Sajan Mani) submitted an application vide reference first cited to obtain quarrying lease to quarry Granite (Building Stone) over an area of 7.4590 Hectares of Govt. land (as per the survey map issued by Tahsildar, Thodupuzha) comprised in Re- Survey Block No.32, Re-Survey No.8/9 of Alakode Village, Thodupuzha Taluk, Idukki District. Vide letters referred 2nd above the District Geologist, Idukki has intimated that the applied area is not virgin and there was no dues by way of royalty to be collected from the applicant.

Based on the merit of the application and the enclosed mandatory documents including survey map, possession certificates, demarcation certificate and land assignment certificate issued by Revenue Authorities and based on the recommendation of the District Geologist, a letter of intent was issued to the applicant vide reference cited 3 intimating the intention of the department to grant quarrying lease subject to production of approved mining plan and other statutory licenses. The District Geologist forwarded the mining plan (**prepared by Sri.C.Thambu Cherian, Recognized Qualified Person-Reg.No.DMG/KERALA/RQP/17/2018**) approved by him and other statutory licenses submitted by the applicant to this office. In the approved mining plan it is mentioned that during the life of the mine (**10 years**), mineable mineral reserve of **16,86,807.50 MT** can be mined and it is proposed to mine a maximum quantity of **1,75,000 MT** of granite (building stone) per year. Since the applicant has produced all statutory documents as per the Letter of Intent, it is decided to grant a quarrying lease in the said land and hence the following orders are issued:

A quarrying lease is hereby granted to **M/s.Marthoma Granites, 11/131A, Edavetty.P.O, Thodupuzha, Idukki, Pin-685588 (Represented by its Managing Partner Sri.Sajan Mani)** to quarry Granite (Building Stone) over an area of **7.4590** Hectares of land (as per the survey map issued by Tahsildar, **Thodupuzha** comprised in Re Survey **Block No.32, Survey No.8/9 of Alakode** Village, **Thodupuzha** Taluk, **Idukki** District for **10 (ten)** years as per the Kerala Minor Mineral Concession Rules, 2015 and Kerala Minor Mineral Concession (Amendment) Rules, 2023 subject to the conditions mentioned below:

Year	Production
I-Year	1,75,000.00
II-Year	1,75,000.00
III-Year	1,75,000.00
IV-Year	1,75,000.00
V-Year	1,75,000.00
VI-Year	1,75,000.00
VII-Year	1,75,000.00
VIII-Year	1,75,000.00
IX-Year	1,75,000.00
X-Year	1,11,807.50
Total	16,86,807.50

Conditions

1. 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 and the quarrying lease deed shall be registered in accordance with the provisions of the Indian Registration Act, 1908.
2. The lessee shall commence quarrying operation only after the deed is executed and registered.

3. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous written permission of the Director of Mining and Geology.
4. 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.
5. 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.
6. 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.
7. The lessee shall also deposit an amount of **Rs.74,590/- (Rupees seventy four thousand five hundred and ninety only)** being the security deposit at the rate of Rs.10,000/- 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.
8. The lessee shall produce financial guarantee for **Rs.22,37,700/- (Rupees twenty two lakh thirty seven thousand and seven hundred only)** as stipulated in rule 62 of KMMC Rules 2015 and KMMC Amendment Rule 2023, before execution of lease deed.
9. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the District Geologist periodically.
10. The lessee shall pay 10% of the amount of royalty as the case may be paid by them, being the District Mineral Foundation Trust Fund in addition to the royalty as per rule 63 of KMMC Rules, 2015 and subsequent amendments.
11. In addition to the royalty, rents, funds, fees etc. that are required to be remitted by the lessee as per the Mines and Minerals (Development and Regulation) Act, 1957 and Rules made thereunder, the lessee shall pay all other fees, rents, taxes etc. as required by other agencies including Goods and Service Tax (GST) for royalty.
12. The quarrying shall be carried out as per the conditions stipulated in Kerala Minor Mineral Concession Rules 2015 and storage and transportation of mineral shall be carried out as per Kerala Minerals (Prevention of Illegal Mining, Storage and Transportation) Rules, 2015 and subsequent amendments.
13. The quarrying operations shall be strictly carried out as per the approved mining plan and schemes of mining.
14. The lessee shall review the progressive quarry closure plan every five years from the date of opening of the quarry and shall submit to the competent

authority for its approval. The lessee shall submit to the competent authority in this behalf an yearly report before 1st July of every year describing protective works including reclamation and rehabilitation work carried out as envisaged in the approved quarry closure plan and if there is any deviation, reasons thereof.

15. The lessee shall submit a scheme of mining for the next five years or remaining period of the lease to the competent authority for approval at least one hundred and twenty days before the expiry of the first five year period for which it was approved on the last occasion.
16. The lessee shall submit final quarry closure plan one year prior to the proposed closure of the quarry and close the quarry as per the approved quarry closure plan.
17. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the year-wise quantity specified in the approved Mining Plan and Scheme of mining.
18. 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.
19. The Lessee shall comply with any and all laws, ordinances, rules and orders related to quarrying operations of any and all governmental or quasi-governmental authorities.
20. The lessee shall comply with all the conditions mentioned in other statutory license required for carrying out quarrying operations.
21. The lessee shall stop all quarrying activities in the event of expiry of any other statutory licenses which is required for carrying out quarrying activities in the State as per the prevailing Acts and Rules. Any quarrying activity undertaken violating the above condition will be treated as illegal and lessee will be solely responsible for such act and lessee will be liable to pay the penalty imposed by any officer competent to enforce such Acts and Rules.
22. In case the lessee makes any breaches in the conditions of the lease deed or violates the conditions stipulated in relevant Act and Rules based on which all Statutory Licenses are issued for quarrying, then the lessee will be solely responsible for any such breaches and violation and in such cases, the lessee will be solely liable to pay such sum of money as fixed by competent authorities as due and penalty.
23. The Lessee shall indemnify and keep indemnified the State Government against all actions, proceedings, suits, claims, demands, losses, damages, costs, charges, and expenses incurred or suffered by them as a reason of any non-observance or non-performance of rules and regulations.
24. This lease is granted in good faith based on the documents/licenses submitted by the lessee. The lessee is solely responsible for the authenticity of the

documents/licenses submitted. At any stage, if it is observed that the documents submitted are incorrect or fake or forged or if it is found that some information was omitted or suppressed, then this lease is liable to be cancelled. In such an event the quarrying carried out with the strength of this lease will be treated as quarrying conducted without any lawful authority.

25. The lessee shall properly maintain the boundary pillars erected as per the demarcation certificate issued by the Village Officer till the expiry of lease.
26. The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 meter x 1.5 meters in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the lessee, mineral concession number and date, validity of concession, the name of the mineral quarried, proposed annual production etc. In addition details of other statutory licenses shall be displayed.
27. The lessee shall erect by the side of the road leading to quarry (preferably 100 m away from quarry), a warning board with danger sign regarding operation of the quarry and use of explosives.
28. The lessee should take effective preventive measures for the safety of labourers as well as the general public. In due course of quarrying, if any part of the quarry become unsafe, then the lessee shall properly fence that area for preventing accidents by falling of human beings, animals, vehicles, or any objects into the pit formed by the quarrying.
29. The lessee shall not carry out any quarrying operations within 7.5 meters from the boundary of the lease area and quarrying operations shall be carried out in benches.
30. The lessee shall send a notice in form D appended to KMMC Rules 2015 to the Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru - 560034 and to the District Magistrate concerned before commencing the quarrying operation and shall intimate the same to the District office of the Department of Mining and Geology concerned.
31. The lessee shall keep book of accounts of production and dispatch of granite (building stone) and shall file monthly and annual returns in Form F and Form G appended to KMMC Rules 2015.
32. The quarrying permit granted from the district office, if any, in the area of this quarrying lease hereby stands cancelled from the date of this order.
33. In this case, the anticipated royalty to be remitted for the mineral extracted per year at the present rate of royalty of **Rs.48/-** per metric ton with annual production of **1,75,000 metric tonne** is **Rs.84,00,000/- (Rupees eighty for lakhs only)**. In this case, the surface rent to be remitted per year at the present rate of **Rs.8/-** per Are per year is **Rs.5,967/- (Rupees five thousand nine**

hundred and sixty seven only) and in the event of non - functioning of quarry the Dead Rent to be realized for the 1st year - **NIL**; 2nd year - **Rs. 300/-** (Rupees Three hundred only) and 3rd year onwards - **Rs.1200/-** (Rupees One thousand and Two hundred only) per hectare per annum subject to revision from time to time. 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.

Dr. K Harikumar IAS
DIR DMG

To:

**M/s. Marthoma Granites, 11/131A, Edavetty.P.O,
Thodupuzha, Idukki, Pin - 685588**

(Represented by its Managing Partner Sri. Salan Mani)

Signed by Kishor M C
Date: 17-12-2024 15:56:47

Copy to:

1. The Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru- 560034.
2. Member Secretary, SEIAA, Thampanoor Bus Terminal Complex, Thiruvananthapuram
3. The Chairman, SEIAA, Thampanoor Bus Terminal Complex Thiruvananthapuram
4. The Deputy Chief Controller of Explosives, PESO, C2-III Floor, CGO Complex, Kakkanad, Ernakulam
5. The Environmental Engineer, Kerala State Pollution Control Board, District Office, **Idukki**
6. The Secretary, **Edavetty Grama Panchayath, Idukki District**
7. The Tahsildar, **Thodupuzha Taluk Office, Idukki District**
8. The Village Officer, **Alakod Village, Idukki District**
9. ✓ The Geologist, District Office of the Dept. of Mining and Geology, **Idukki**
10. Stock file
11. File Copy

ANNEXURE-2



- 7 KLD capacity of water tanker with sprinkler.



ANNEXURE: 3



CATCH DRAINS



CATCH DRAINS

ANNEXURE: 4



SETTLING POND



CATCH DRAINS

ANNEXURE-5



Settling Pond De-Silting

ANNEXURE-6



Drainage water sampling site

ANNEXURE: 6

**GLOBAL ENVIRONMENT & MINING SERVICES**

(Consulting Engineers, Mine designers, Geologist & Surveyors)

3rd Main Road, Basaveswara Badavane,

HOSPETE – 583201, Dist., Vijayanagara (Karnataka)

Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

GEMS-LD/TF/23/01

Report Issue Date: 17.03.2025

Analysis Report of Water Quality Data

- 1 Name of the Industry : Granite Building Stone Quarry of
M/s. Marthoma Granites
Lease Area: 7.4590 Ha.
Re-Sy. Block No. 32, Re-Sy No. 8/9,
Alakode Village, Thodupuzha Taluk,
Idukki District, Kerala State
- 2 Customer Reference : -
- 3 Sample Collected by : GLOBAL Environment & Mining Services
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling procedure : GEMS-LD/SOP/32
- 6 Sample Type : **Water Samples (Ground Water)**
- 7 Date of sampling : 11.03.2025
- 8 Sample Received : 13.03.2025
- 9 Date of Analysis : 15.03.2025
- 10 Report Number : ULR-TC532325000003113F

Results

Sl. No.	Parameters	Protocol	Unit	Results	Standard as per IS : 10500 : 2012	
				Sample Code	Desirable limits	Permissible limits
				349 GW		
1.	Temperature	Thermometer	°C	25.8	-	-
2.	pH	APHA 23 rd Edition 2017 4500 H+ B (Pg No. 4-95 to 4-99)	-	6.95	6.5-8.5	NR
3.	Conductivity	APHA 23 rd Edition 2017 2510 A (Pg No. 2-56 to 2-58)	µS/cm	145	-	-
4.	Total Dissolved Solids	APHA 23 rd Edition 2017 2540 C (Pg No. 2-69 to 2-70)	mg/L	187	500	2000
5.	Turbidity (NTU)	APHA 23 rd Edition 2017 2130 B (Pg No. 2-13 to 2-15)	NTU	0.27	1	5
6.	Phosphorous P	APHA-23 rd Edition 2017 4500-D (Pg No. 4-163 to 4-164)	mg/L	<0.01	-	-
7.	Sodium as Na	APHA 23 rd Edition 2017 Na 3500 B (Pg No. 3-99 to 3-100)	mg/L	9.5	-	-
8.	Potassium as K	APHA 23 rd Edition 2017 K 3500 B (Pg No. 3-89 to 3-90)	mg/L	0.52	-	-
9.	Calcium as Ca	APHA 23 rd Edition 2017 3500 Ca B (Pg No. 3-69 to 3-70)	mg/L	24	75	200
10.	Magnesium as Mg	APHA 23 rd Edition 2017 3500 B Mg By calculation (Pg No. 3-86)	mg/L	6.8	30	100
11.	Total Hardness as CaCO ₃	APHA 23 rd Edition 2017 2340 C (Pg No. 2-48 to 2-50)	mg/L	175	200	600
12.	Chloride as Cl	APHA 23 rd Edition 2017 4500 Cl- (Pg No. 4-75 to 4-76)	mg/L	15.8	250	1000
13.	Sulphate as SO ₄	APHA 23 rd Edition 2017 4500 -SO ₄ ²⁻ B (Pg No. 4-199 to 4-200)	mg/L	45	200	400
14.	Fluoride as F	APHA 23 rd Edition 2017 4500 F-D (Pg No. 4-90 to 4-91)	mg/L	<0.1	1.0	1.5
15.	Nitrate Nitrogen as NO ₃	APHA 23 rd Edition - 4500 NO ₃ - B (Pg No. 4-131 to 4-132)	mg/L	18	45	NR
16.	Total Alkalinity as CaCO ₃	APHA 23 rd Edition 2017 2320 B (Pg No. 2-37 to 2-39)	mg/L	94	200	600

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 15 Days, Minireh 3 Months, Filter papers & Thimbles after analysis Discard.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
4. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to this space jurisdiction only.
5. Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
6. Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey



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Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

ULR-TC532325000003113F

17.	Total Iron as Fe	APHA 23 rd Edition 2017 3500 B Fe B. (Pg No. 3-80 to 3-82)	mg/L	0.25	0.30	NR
18.	Nickel as Ni	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.01	0.02	NR
19.	Manganese as Mn	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.1	0.10	0.30
20.	Copper as Cu	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.05	0.05	1.50
21.	Zinc as Zn	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.1	5	15
22.	Lead as Pb	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.01	0.01	NR
23.	Total Coliforms	IS 15185:2016	MPN/100ml	Ab	Shall not be detectable in any 100ml sample	-
24.	E- Coli	IS 15185:2016	MPN/100ml	Ab	Shall not be detectable in any 100ml sample	-

Note: GW: Asharikunnu

NR: No Relaxation, Ab: Absent

INFERENCE

As per Standards IS: 10500:2012

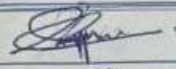
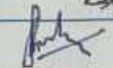
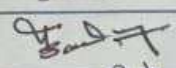
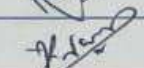
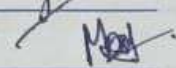
Report Status: - Measured Values for the above parameters are within the limit.

*Anusha*Analyzed By
Anusha M
Chemist*NR*Authorized Signatory
K. Ramakrishna Reddy
Technical Manager**Note:**

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thinbles after analysis Discard.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
4. Total liability of our laboratory is limited to the fee amount. Any disputes arising out of this report is subject to Hospete jurisdiction only.
5. Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
6. Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

July - 2025

the environmental management Cell minutes of the meeting held on 2/7/2025 at company head office at evening 2.00 pm to 6.00 pm following the members are attended the meeting as follows

Sr.No	Name	Designation	Emc	Signature
1	Sagan maui	M Director	Head of th Emc	
2	Ranjith Jacob	B Director	advisor	
3	Joseph George	B. Director	Project Observation and management	
4	Omashankar	G manager	Reporting & Schedul maker	
5	Ramesh B R	M manager	monitoring & Report executive	
6	Kurian James	M mate	Safety Officer	
7	Mukesh R	P R O	member	

At the beginning of the meeting Sri Sagan maui M.D welcomed all the members, addressed in the meeting and highlight the key points that are going to discussed in the meeting.

today meeting subject brought to the notice in the meeting

1. De-silting of old settling pond and erection of bunds across the surface Runoff for prevent soil erosion,

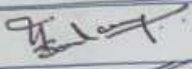
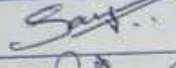
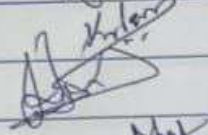
Director has discussed with the members about the subject matter. he told in the meeting immediately notice to the Environmental monitoring cell for De-silting of old settling pond and erection of bunds on surface of Runoff where water flow is more and discuss with mines manager for Dumping ~~silt~~ silt at the designated place within our area.

Meeting ended at 6.00 pm vote of thanks by the mukesh PRO

July - 2025

1

Minutes of the environmental monitoring cell (EMC)
meeting held at company conference hall at thodupuzha
on 4/7/2025 between 4.00pm to 6.00pm for discussion
of the environmental monitoring and restoration
following the members are attended the meeting
as follows.

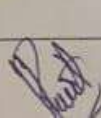
Sr No	Name	Designation	EMC	Signature
1	Umashankar	General Manager	Head of monitoring cell	
2	Saju Joseph	Site manager	Project observation monitoring	
3	Ramesh B R	M. Manager	monitoring & Report executive	
4	Kuriam James	Mine mate	Safety officer	
5	Martin Kurian	Site Supervisor	member	
6	Mukesh R	PRO	member	

At the beginning of the meeting Sri Umashankar General Manager welcomed all the members and addressed in the meeting and highlight the key points was discussed in the Environmental Management Cell-Reg

today topic raised by the members. Re-siting of old settling pond and blockaged drainage/trench in surrounding of our Quarry due to heavy Rain surface runoff changes the route.

General manager has discussed with (EMC) members of this matter and suggested that carried out the work Re-siting and other cleaning of drains/trenches has directed by the mines manager use men and machinery in proper way to complete the work as soon and if required any huge pipes for culvert make it arrangement immediately.

Meeting end at 6.00pm vote of thanks by mukesh (PRO)

 4/7/25

ANNEXURE: 8



BLASTING MAT



BLASTING MAT

PART - II

11.0 ENVIRONMENTAL MANAGEMENT PLAN

a) Attach a note on the status of baseline information with regard to the following:

This proposed Granite Building Stone Quarry, over an extent of 7.4590 Ha is gently dipping towards SW. It is an old working area. The highest elevation in this area is 175m above MSL and the lowest elevation is 70.5m above MSL.

The area has moderate climate with maximum temperature of 25.1⁰ to 31.5⁰C in the month of March and minimum temperature of 18.6⁰C to 14.0⁰C in the month of January. The area receives a total annual rain fall of around 3677mm.

The area is surrounded by the lands with commercial crop like rubber plantation, teak, rose wood, pepper, coconut, aeracanut, mango, jackfruit etc. Snakes, squirrel, grander lizard, chameleon, crow, Sparrow, Pigeons etc are seen periodically. The nearest human settlement is Asharikunnu located at 0.3 Kms away from this mine. No public buildings, monuments exist inside the mining area.

- **Existing land use pattern indicating the area already degraded due to mining/pitting, dumping, roads, processing plant, workshop, township etc., in a tabular form.**

The existing land use pattern is given in the **Table No 11.1**.

Table No. 11.1 Existing land use Pattern.

Particulars	Land use pattern at present stage (Ha)
Area for mining / mining activities	2.8317
Area for Safety Barrier/Greenbelt	1.6671
Roads	-
Total	4.4988
Unused area	2.9602
Total Lease area	7.4590

➤ **Water regime**

The area receives a total annual rain fall of around 3677mm. The rains start in the month of June and continue up to September. It is maximum in the month of July. A water course at the northeast side and outside the mining lease drains the rainwater.



➤ **Biodiversity Assessment Study:**

A Rapid Biodiversity assessment study was carried out in the proposed mining lease area. From the biodiversity assessment study, the flora and fauna present in the proposed lease area was identified and are mentioned in below tables.

➤ **Flora and Fauna**

The common flora in this area is given in the Table No 11.2.

Table No 11.2: Common Flora in study area.

Sl. No.	Scientific name	Common name
1	<i>Tectona grandis</i>	Teak wood
2	<i>Swietenia macrophylla</i>	Mahogany
3	<i>Anogeissus latifolia</i>	Axlewood
4	<i>Tamarindus Indica</i>	Tamarind
5	<i>Pongamia glabra</i>	Indian Beech
6	<i>Artocarpus heterophyllus</i>	Jack Fruit
7	<i>Hevea brasiliensis</i>	Rubber tree
9	<i>Dalbergia latifolia</i>	Rosewood
10	<i>Anacardium occidentale</i>	Cashew nut
11	<i>Bombax ceiba</i>	Silk Cotton Tree
12	<i>Mimosa pudica</i>	Touch me not
13	<i>Elephantopus scaber</i>	Ironweed
14	<i>Axonopus compressus</i>	Buffalo grass
15	<i>Breynia retusa</i>	Cup Saucer Plant
16	<i>Piper Nigrum</i>	Pepper
17	<i>Hibiscus hispidissimus</i>	Hibiscus
18	<i>Sauropus androgrnus</i>	Star Gooseberry
19	<i>Chromolaena odorata</i>	Communist pacha
20	<i>Mangifera indica</i>	Mango

The common fauna in this area is given in the Table No 11.3.

Table No 11.3: Common Fauna in study area.

Sl. No.	Scientific name	Common Name
1	<i>Serpentes</i>	Snakes
2	<i>Funambulus palmarum</i>	Indian Palm Squirrel
3	<i>Bandicota bengalensis</i>	Bandicoot
4	<i>Calotes versicolor</i>	Garden lizard
5	<i>Spilornis cheela</i>	Crested Serpant Eagle
6	<i>Corvus splendens</i>	House Crow
7	<i>Haliastur indus</i>	Brahminy Kite
8	<i>Papilio polytes</i>	Common Mormon
9	<i>Captopsilia pomona</i>	Common emigrant
10	<i>Araneae</i>	Spiders
11	<i>Solenopsis spp</i>	Ants



➤ **Quality of Air, Ambient Noise Level and Water**

1. Ambient air quality

The air quality in the area mainly depends on the nature & concentration of emissions and meteorological conditions. The major air pollutants include:

- Particulate Matter (Dust) of various sizes
- Gases, such as, Sulphur Dioxide, Oxides of Nitrogen, Carbon Monoxide etc. from vehicular exhaust.

Dusts are the single largest air pollutant observed in this area. Diesel operating vehicles produces NO_x, SO₂ and CO emissions, usually at low levels. Dust can be a significant nuisance to surrounding land users and potential health risk in some circumstances. Dust is produced from a number of sources and through number of mechanisms such as

- Land clearing,
- Overburden removal,
- Crushing & screening,
- Loading & unloading of material on site &
- Subsequent transport off the site etc.

The detected ambient air quality is given in the Table 11.9.

Table No 11.4: Detected AAQ in core & buffer zone.

Area	Sample Code	PM 10 µg/m ³	PM 2.5 µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
Core Zone	A1	52.9	20.6	11.4	14.3
Asharikunnu	A2	48.3	17.4	10.1	12.7

The Environment monitoring data is enclosed as **Annexure – 14**.

➤ **Noise levels:**

The noise level within the core zone is found to be 48.2 dB(A) Leq* during day time and 38.9 dB(A) Leq* during night, whereas in the buffer zone it is 46.7 dB(A) Leq* during day time and 39.7 dB(A) Leq* during night time. The impact of mining on the ambient noise level would be hardly noticeable in nearby villages, as the nearest habitant Asharikunnu is 0.3 Kms away from the mine.

The detected noise level is given in the Table 11.5.



Table No 11.5: Detected noise level in core & buffer zone.

Area	Sample Code	Day dB(A)LEQ	Night dB(A)LEQ
Core Zone	N1	48.2	38.9
Asharikunnu	N2	46.7	39.7

The Environment monitoring data is enclosed as **Annexure – 14**.

➤ **Water Quality:**

The mining area has no significant water regime. Bore wells are used to provide access to drinking water. This water is being used for drinking purpose from many years. In buffer zone the minimum pH value of water is detected as 6.81 in Asharikunnu, total dissolved solids detected minimum 185 mg/l in Asharikunnu. The total hardness of water is detected minimum 173.0 mg/l in Asharikunnu. The Environment monitoring data is enclosed as **Annexure – 14**.

➤ **Climatic conditions:**

The area has moderate climate with maximum temperature of 25.1⁰ to 31.5⁰C in the month of March and minimum temperature of 18.6⁰ to 14.0⁰C in the month of January. The area receives a total annual rain fall of around 3677mm.

➤ **Human settlement:**

There is no human settlement in core zone. The nearest habitants are more than 53.4m away from the boundary of the mining lease area. The nearest human settlements are Asharikunnu, which is about 0.3 Kms from the mining lease area.

➤ **Public buildings, places of worship and monuments of historical or archaeological importance:**

There are no monuments of either historical or archaeological importance in the core or buffer zone.

➤ **Attach plans showing the locations of sampling stations:**

The environment monitoring is carried out in the core zone and in Asharikunnu. The location of sampling station is given in the key plan.



b) **Attach an Environmental Impact Assessment Statement describing the impact of mining and beneficiation of environment on the following over the next five years and up to conceptual plan period 'A' category mines.**

- i. **Land area indicating the area likely to be degraded due to mining, pitting, dumping, road, workshop, processing plant, township etc.**

Due to this mining operation, there shall be an impact on the environment. The area broken for mining at present stage, Progressive stage and conceptual stage is given in the Table No 11.6.

Table no.11.6 The details of land use at present stage, Progressive stage and conceptual stage

Particulars	Land use pattern at present stage (Ha)	Land use pattern (end of progressive stage) (Ha)	Land use pattern at Conceptual stage (Ha)
Area for mining / mining activities	2.8317	5.4385	5.7196
Area for Roads	-	-	-
Area for Safety Barrier / Green belt	1.6671	1.6671	1.6671
Area for Waste dump	-	-	-
Total	4.4988	7.1056	7.3867
Unused area	2.9602	0.3534	0.0723
Total Lease area	7.4590	7.4590	7.4590

* Road area inside the mine Lease is not shown separately. Since the material is transported on the benches the road area is therefore included in the mining area.

The land use pattern at the end of first five years of plan period is given in PMCP enclosed vide **Plate No-10** and the ultimate land use pattern at conceptual stage is enclosed vide **Plate No-7**.

ii. **CONTROLE MEASURES OF AIR, WATER AND NOISE POLLUTION.**

a) **Air Quality**

The quality of air in lease area would be deteriorated to certain extent due to drilling, blasting and transportation of the rock produced. However, the following environment control measures and the mitigating measures to control air pollution due to mining operations shall be undertaken, so that the pollution levels are maintained well within the permissible limits.

Control Measures:

- Dust suppression systems (water spraying) would be adopted at mine working & loading points.
- Wet Drilling shall be practiced reducing dust generation.
- Speed control on vehicle movement, to limit speed.



- The blasting shall be carried out during day hours, it shall be avoided during strong wind and temperature inversion condition.
- Excavation operations shall be suspended during very strong wind condition.
- Wind reduction control by plantation. Trees and shrubs will be grown along the Green belt area/safety barrier area along the periphery of the quarry and along the haul roads.
- Plantation of wide leaf trees, creepers and tall grass along approach roads, and around hillock will help in to suppress the dust.
- Proper tuning of excavators and compressors will be ensured to keep the gas emissions from the vehicles within the prescribed norms of the CPCB and MoEF guidelines.
- All workers shall be provided with personal protective devices eg. Dust Mask, Goggles, Helmet, etc.

b) Water Quality

There is no water source of perennial type passing through the area. The lease area is located at higher elevation than the surrounding area and here the ground water level is much more below the general surface on the lowest portion. The mining is proposed to extend up to only 0.5m depth from the lowest level of the mining Lease area, hence no ground water is going to encounter during mining and there shall not be any impact on water quality. Also, granite building stone being a very stable, it does have an impact on the quality of the water. The following mitigating measures for the surface run off have been incorporated.

Control Measures:

The following control measures are suggested for water management and water pollution control.

- Garland drains shall be constructed all along the periphery of the quarry. The garland drain shall be routed through Silt Settling Tank (SST) to remove suspended soils and the overflow from the Rainwater Harvesting Pond (RWHP) shall be discharged to natural water course. There are three SST & RWH Ponds proposed in the NW, South & SE of the Mining Lease area.
- Settling tanks and drains shall be periodically de-silted.
- Providing sufficient gully checks to ensure that if any silt flowing along with the surface run-off during monsoon. The environment management measures for the surface water run offs are shown in the Environment / Drainage Plan and Environment Management / Drainage Plan enclosed vide **-Plate No 8 & 9.**



- No toilet is planned within the mine area. However, the toilets built at the site office, shall be provided with septic tanks to handle the sewage from the same.
- The quality of the water in the surrounding area and the Pre-& Post monsoon water quality shall be monitored to track any changes or contamination in the water quality.
- The working of quarry at present shall be restricted at 70m above MSL at conceptual stage of quarrying, which is much above the ground water level.

c) Noise Levels

The noise level within the core zone is found to be 48.2 dB(A) Leq* during day time and 38.9 dB(A) Leq* during night, whereas in the buffer zone it is 46.7 dB(A) Leq* during day time and 39.7 dB(A) Leq* during night time. The impact of mining on the ambient noise level would be hardly noticeable in nearby villages, as the nearest habitant Asharikunnu is 0.3 Kms away from the mine.

Control Measures:

- Identification of mitigation measures for noise abatement for both point sources and line sources are undertaken and measures to minimize the impact is proposed.
- The equipment and machines shall be maintained properly. Particular attention shall be given to the silencers and mufflers.
- Use of sharp drilling bits, delivery of compressed air at optimal pressure and proper maintenance of compressor, drilling machine, jackhammers and tipper trucks.
- Limiting the speed of empty haulage vehicles/tippers to a moderate level to prevent undue noise.
- In addition to it, Green belt development shall be undertaken around the quarry lease area to minimize propagation of noise.
- Provision of rotation of workers to minimize exposure time as well as provision of earmuffs to workers exposed to high noise areas is also envisaged.
- Regular monitoring of noise level shall be done within the core zone and the buffer zone of the mining lease area.



d) Vibration levels (due to blasting)

Drilling is proposed by jack hammer with a finished dia of 33mm. The blasting shall be done sequentially. Due to very small diameter hole blasting, the vibration in this area is well within the permissible limits. Delay shall be used for blasting keeping the vibration to minimum with least fly rock.

Control Measures:**VIBRATION & NOISE MITIGATION MEASURES (BLASTING PRECAUTIONS):**

- Only small diameter drill holes of 33mm diameter with 25mm diameter cartridge slurry/emulsion explosives with NONEL delay Detonators shall be used for blasting, no large diameter holes are proposed for the blasting. With optimum blast design, effective blasting techniques with delay detonators and low charge per delay, care shall be taken to limit the blast vibrations and the PPV below 10mm per second, i.e., within the permissible limits, vide DGMS circular 7 of 1997.
- Each blast would be is carefully planned, supervised, executed and observed by qualified Blasters.
- Design of optimum blast hole geometry i.e. burden, spacing, Blast hole layout pattern, inclination and depth considering, burden, nature of the rock, safe working space, fragmentation size, etc., to keep the flyrock, noise and ground vibrations at the minimum.
- The rock shall be blasted and sequenced using delay detonators for least vibrations & fly rock.
 - Controlled Blasting techniques with Non-electric (Nonel) delay detonators will be carried out to reduce ground vibration.
 - Blasting shall be done using appropriate delay detonators to keep the noise and vibration at the minimum levels.
 - Proper sequencing of the blast to keep the vibration, noise and fly rock to the minimum levels.
 - The appropriate Charge per delay shall be regulated to keep the PPV below 10mm/ sec as per DGMS Circular 7 of 1997.
 - The holes shall be proper stemmed, and the stemming of each hole shall be checked by the qualified blaster to avoid 'blown thorough' holes, that is one of the major sources of noise and Airblast during primary blasting.



- No secondary blasting like Pop Shooting or Plaster Shooting shall be undertaken for breaking down large boulders so as to avoid Airblasts and Fly rocks. Only rock breakers will be used for breaking down the bigger boulders.

iii. Socio-economics.

Social and demographic profile: The mine is situated in the remote area and socio-economic status of the people around shows that the main occupation of the people is through rubber plantation and there are no major industries nearby the project area. The mining operation in such remote places would provide 25 direct and twice the number of indirect employments to local people. Hence mining operation will help in improving socio-economic status of the area.

iv. Occupational health and safety hazards:

The statutory norms shall be followed during the course of mining to ensure the proper health and safety of workers. All the health and safety aspects as per the requirement and standards of the DGMS shall be followed to ensure the health and safety of all persons employed at the mine. Apart from this there is no other factor envisaged during the mining operations.

v. Human settlement:

There are no houses in the project area and there shall be better development of infrastructure around this project by employment and other benefits like CSR and CER.

viii. Recreation facilities:

As of now there are not much recreational facilities available. Recreation facilities would be improved once the mining start and financial position of workers develop. The company also plans to provide good facilities as part of the CER/CSR works.

vi. Historical monuments etc.

There are no historical monuments in the nearby vicinity to the lease area.



- c) Attach an Environmental Management Plan (supported by appropriate plans and sections and time-bound action proposed to be taken with sequence & timing in the following diagrams should be used).**

Temporary storage and utilization of topsoil.

Totally 45,381.21 Tonnes of topsoil is expected to be generated. This topsoil shall be transported to the safety barrier area and used for afforestation / green belt development all along periphery of the mine. Topsoil will be transported to the pre-determined dump situated in the NE part of outside of the proposed lease area as shown in the Topsoil & Waste Management Plan, and waste will be used for road repair works.

- **Year wise proposal for reclamation of land affected by abandoned mines and their mining activity during first five years (and up to conceptual plan period for 'A' category mines, clarifying to extent back filling and re-contouring and/or alternative use of unfilled/partially filled excavations to sides/slopes and mine.**

The mining operations during these five years of the plan period are planned upto 115m above MSL. At conceptual stage the pit shall be developed for pisciculture with good local bio-diversified vegetation. The reclamation measures are shown on the environment management plan enclosed vide **Plate No - 9.**

Programme for afforestation, year wise for the initial five years (and up to conceptual plan of 'A' category mines) indicating number of plants with name of species to be demarcated in areas in hectares.

1.6671 Ha area earmarked for safety barrier shall be developed as green belt by planting minimum but not limiting to 1500 local species. Wherever if it is not possible to do plantation in the safety zone area, the same plantation will be done in the nearest possible area to safeguard the environmental protection. Till conceptual stage totally 1.6671 Ha area shall be covered under green belt. Apart from this Afforestation shall be done on the either side of the haulage road and public place by planting 1500 saplings. The afforestation program is given in the Table No 11.5.

Table No 11.7: Afforestation program.

Year	No of Plants	Green Belt area covered	Location
I-Year	750 saplings	0.8336 Ha	7.5m Green belt area
II-Year	750 saplings	0.8335 Ha	
III-Year	500 saplings		Either side of the haulage road and public place to the mining area.
IV-Year	500 saplings		
V-Year	500 saplings		
Total	3000 saplings	1.6671 Ha	



Stabilization and vegetation dumps along with waste dump management for next five years (and up to conceptual plan period for 'A' category mines).

45,381.21 Tonnes topsoil is expected to be generate in this proposed lease area. The topsoil recovered during mining shall be used for afforestation / green belt development in the earmarked 1.6671 Ha safety barrier area. The excess topsoil recovered will be transported to the pre-determined dump location as shown in the topsoil & waste management plan. A minimum but not limiting to 1500 saplings shall be planted in this area. Till conceptual stage totally 1.6671 Ha area shall be covered under green belt. Apart from this Afforestation shall be done on the either side of the haulage road and public place by planting another 1500 saplings.

Treatment and disposal of water from mine:

Excepting that, during monsoon months there is no water shall be discharged from mine. A garland drain shall be made all around the mine to divert the water away from the pit through silt settling tank. The clarified water from Silt Settling Tank (SST) shall be directed to Rainwater Harvesting Pond (RWHP). The overflow water from Rainwater Harvesting Pond shall be released to natural water course.

- Measures for minimizing adverse effects on water regime:

Excepting that, during monsoon months there is no water shall be discharged from mine. A garland drain shall be made all around the mine to divert the water away from the pit to Silt Settling Tank (SST). The water from Silt Settling Tank (SST) shall be directed to a rain harvesting pond before being released to natural water course. However, granite building stone is a Nontoxic and hence there shall not be any chemical hazardous effect on the water regime.

- Protective measures for ground vibrations/air blast caused by blasting:

The drilling is proposed by jack hammer with 33mm dia. The blasting will be done with 25mm slurry cartridges. Due to the small diameter hole blasting, the vibration in this zone will be very low and the vibrations will be maintained below 10mm/s as per the DGMS circular No. 7 of 1997. The nearest habitant Asharikunnu is situated at about 0.3 Km away from the mine. Secondary blasting shall not be undertaken to avoid air blast. Only rock breaker will be used to break the bigger boulders.

- Measures for protecting historical monuments and for rehabilitation of habitat, settlements, disturbed due to mining activity:

There are no historical monuments in the near vicinity to the mining lease area.



- Socio-economic benefits arising out of mining:**Social and demographic profile:**

The mine is situated in the remote area, where the socio- economic status of the people is not satisfactory. The main occupation of the people is working in plantation. There are no major industries in the area. The mining operations in such remote places would provide 25 direct and twice the number of indirect employments to local people. Hence mining operation will help in improving socio-economic status of the area.

d) Monitoring schedules for different environmental components after the commencement of mining operations and related activities (for 'A' category mines only):

For this mining project a quarterly monitoring mechanism for various environmental parameters shall be evolved as per the guidelines issued by State Environment Impact Assessment Authority (Kerala) / MOEF & CC.





e-Stamp Serial Number : 202526000001550137

Verification Code : 165173070V

Govt. Reference No.(GRN)	: KL011661531202526E
Purpose	: Affidavit
Amount of Stamp Paper Purchased in Numeral	: ₹200
Amount of Stamp Paper Purchased in Words	: Rupees Two Hundred
Stamp Paper Purchased on	: 09/06/2025
First Party Name	: MANAGING PARTNER
First Party Address	: MARTHOMA GRANITES EDAVETTY
Second Party Name	: S E I A A
Second Party Address	: THIRUVANANTHAPURAM
Vendor Code & Name	: 10050355 - ARUN M
Treasury Code & Name	: 1005 - Sub Treasury, Thodupuzha

Please write or type below this line

AFFIDAVIT

I, SAJAN MANI Managing partner M/s. MARTHOMA GRANITES of Alakode Village, Thodupuzha Taluk, Idukki District, of Kerala, hereby state that the land Sy. No: 8/9 bearing the EC No: EC23B000KL128115 (E. C. File No: 1413(A)/EC1/2019/SEIAA, dated: 01.07.2023) that all the conditions stipulated in the Environmental clearance proceedings (ECP) shall be scrupulously following and do hereby solemnly affirm on oath as under that.

We will establish an environmental management cell to implement the environmental management strategy and meet the general and specific conditions stipulated in the EC conditions.


 Sajjan Mani
 Managing Partner
 Marthoma Granites
 Edavetty, Thodupuzha, Idukki
 Kerala

Solemnly affirmed and signed
 before me by the deponent
 known to me on this the 13th
 day of June 2025
 at my office at Thodupuzha



Adv. Jaeson J. Puthumanathotty



This can be verified by
https://www.astamp.treasury.kerala.gov.in/index.php?stamp_search=1
 Serial Number and Verification Code.

In case of any discrepancy, please inform the concerned authority.

JAISON J. PUTHUMANATHOTTY
 ADVOCATE & NOTARY
 THODUPUZHA, IDUKKI DIST.
 KERALA STATE, INDIA-685585
 PH : 9947854338



ARUN
 VENDOR, THODUPUZHA



भारत सरकार | Government of India
वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)
 पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives
 A और D - विंग, ब्लॉक 1-8, दूसरा तल, शास्त्री भवन | A & D - Wing, Block 1-8, IInd Floor, Shastri Bhavan
 26 हड्डोउस रोड, नुंगम्बक्कम चेन्नै | 26 Haddous Road, Nungambakkam Chennai 600006
 फोन (Phone):- 28281023 | फैक्स (Fax):- 28284848

संख्या (No.): E/SC/KL/22/1761(E70839)

दिनांक (Date): 29/08/2023

सेवा में | To,

M/s. Marthoma Granites,
 Edavetty-P.O., Town/Village - Thodupuzha
 District-IDUKKI, State-Kerala, Pincode - 685588

विषय: Survey No.295/4, Block No.34, ग्राम Karikkode, Thodupuzha Taluk, जिला IDUKKI, राज्य Kerala में मेसर्स M/s. Marthoma Granites द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1761(E70839) के संशोधन संदर्भ में।
 (अखण्ड / सुविधाएं / परिसर में परिवर्तन)

Subject: Possession for Use of Explosives from magazine situated at Survey No.:295/4, Block No.34, Karikkode, Thodupuzha Taluk, Dist. IDUKKI, Kerala -Licence No.: E/SC/KL/22/1761(E70839) granted in Form LE-3 of Explosives Rules, 2008 - (Amendment in Drawings/Facilities/Premises).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या 96863 दिनांक 29/08/2023 का संदर्भ ग्रहण करें।
 Please refer to your letter no. 96863 dated 29/08/2023.

अनुज्ञप्ति संख्या E/SC/KL/22/1761(E70839) usage of Explosives at the Granite Building Stone Quarry Granted to the Licensee situated at Re-Survey No. : 8/9, Alakkodu village, Thodupuzha Taluk, Idukki district, Kerala wide the (E.C No. 107/Q/2023, dated 01.07.2023 - E.C Identification No. EC23B001KL128115, issued by SEIAA, Kerala) under the following conditions: 1. Opening of Mines should be intimated to DGMS and Director of Mines & Geology. 2. Blasting Operations should be conducted as per Mines Act & Rules. 3. Usage of Explosives to be as per Explosives Rules, 2008 and all records to be maintained as per the Explosives Rules, 2008. 4. All unused Explosives should be returned to Explosive magazine before Sunset. 5. Transportation of Explosives to be Followed as per Explosives Rules, 2008 and RE6 and RE13 to be maintained as per the Rules. 6. Other Permissions from the State/Central Government Authorities needed to be obtained by the Licensee/Occupier for the Transportation, Usage of Explosives. 7. Licensee/Occupier to be responsible for all activities related to the Blasting, Transportation and any other activities under Explosives Rules, 2008. के संदर्भ में यथा संशोधित कर भेजी जा रही है।
 The Licence No.: E/SC/KL/22/1761(E70839) is forwarded herewith duly amended in respect of followings ;

usage of Explosives at the Granite Building Stone Quarry Granted to the Licensee situated at Re-Survey No. : 8/9, Alakkodu village, Thodupuzha Taluk, Idukki district, Kerala wide the (E.C No. 107/Q/2023, dated 01.07.2023 - E.C Identification No. EC23B001KL128115, issued by SEIAA, Kerala) under the following conditions: 1. Opening of Mines should be intimated to DGMS and Director of Mines & Geology. 2. Blasting Operations should be conducted as per Mines Act & Rules. 3. Usage of Explosives to be as per Explosives Rules, 2008 and all records to be maintained as per the Explosives Rules, 2008. 4. All unused Explosives should be returned to Explosive magazine before Sunset. 5. Transportation of Explosives to be Followed as per Explosives Rules, 2008 and RE6 and RE13 to be maintained as per the Rules. 6. Other Permissions from the State/Central Government Authorities needed to be obtained by the Licensee/Occupier for the Transportation, Usage of Explosives. 7. Licensee/Occupier to be responsible for all activities related to the Blasting, Transportation and any other activities under Explosives Rules, 2008..

किसी भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below ;

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	500	Kg.
2	Safety Fuse	6	1	0	2000	Mtrs
3	Ordinary Detonator	6	3	0	2000	Nos.
4	Electric Detonators	6	3	0	2000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) : 10 गुना
 Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 10 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2027 तक प्रवृत्त रहेगी।

This Licence shall remain valid till 31st day of March 2027.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया पावती दें।

For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

भवदीय | Your's faithfully

(डा.टी.एल.थनुलिंगम | Dr. T. L. THANULINGAM)

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives

दक्षिणांचल, चेन्नै | South Circle, Chennai

प्रतिलिपि प्रेषित | Copy Forwarded to:

- उप मुख्य विस्फोटक नियंत्रक कोच्ची
 The Dy. Chief Controller of Explosives, Kochi
- District Magistrate, IDUKKI, Kerala with reference to his Noc No: AE2-51882/2011/K.Dis Dated: 21/11/2012
- Superintendent of Police, IDUKKI, Kerala.

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

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क आदि के लिए हमारी वेबसाइट <http://peso.gov.in> देखें।)
 (For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

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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 I 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/22/1761(E70839)

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

1. Licence is hereby granted to

M/s. Marthoma Granites (अधिभोगी / Occupier : Sajan Mani), Edavetty-P.O., Town/Village - Thodupuzha, District-IDUKKI, State-Kerala, Pincode - 685588



को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Partnership Firm**

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

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	500 Kg.
2.	Safety Fuse	6,1	0	2000 Mtrs
3.	Ordinary Detonator	6,3	0	2000 Nos.
4.	Electric Detonators	6,3	0	2000 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)] :

**10 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/SC/KL/22/1761(E70839)

दिनांक (Dated) 29/08/2023

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

Survey No. 295/4, Block No.34, ग्राम (Town/Village) : **Karikkode, Thodupuzha Taluk**

पुलिस थाना (Police Station) : **Thodupuzha**

जिला (District)

IDUKKI

राज्य (State)

Kerala

पिनकोड (Pincode)

685588

दूरभाष (Phone)

ई. मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

A set of two portable magazines D (509) and A(15) type fabricated by M/s.Thekkans Engineering, Ernakulam

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों 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 2027** तक विधिमान्य रहेगी। This licence shall remain valid till **31st day of March 2027**.

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.

तारीख | The Date - 16/08/2023

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

Amendments :

- Change in Authorized Signatory/Occupier/Partners/Directors dated : 17/08/2023
- Change in Postal Address dated : 17/08/2023
- Amendment in Drawings/Facilities/Premises dated : 28/08/2023
- Change in Authorized Signatory/Occupier/Partners/Directors dated : 28/08/2023
- Amendment in Drawings/Facilities/Premises dated : 29/08/2023

Transfers :

- Change in Licensee Name/Address/Status dated : 16/08/2023
- Change in Licensee Name/Address/Status dated : 17/08/2023

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry

अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प
Signature of licensing authority and stamp

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.

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

CONSENT TO OPERATE FROM KSPCB



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. : KSPCB/ID/ICO/10068597/2024

Date of issue : 27-09-2024

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : KSPCB/ID/ICO/10068597/2024

Valid upto : 30/06/2028

The Integrated Consent to Operate issued as per reference above to M/S ROCK QUARRY OF MARTHOMA GRANITES II, MEENMUTTY, EDAVETTY P.O THODUPUZHA, IDUKKI, KERALA- 685588 is hereby renewed up to 30/06/2028 and issued to MARTHOMA GRANITES, MEENMUTTY, EDAVETTY P.O THODUPUZHA, IDUKKI, KERALA- 685588

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.

1. GENERAL

SL NO.	ITEM	DESCRIPTION
1	VALIDITY	30.06.2028
2	CATEGORY	RED
3	CAPITAL INVESTMENT	Rs. 394 Lakhs
4	ANNUAL FEE	Rs.35000/-
5	FEE REMITTED	Rs. 227500/-
6	OCCUPIER	SRI. SAJAN MANI S/o K.O MANI, KANIYARKUZHAYIL, KARIMKUNNAM(PART), THODUPUZHA, 685586
7	PRODUCT	583.33 Metric Tonnes per Day

2.CONDITIONS AS PER

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

2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. 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 along with.

2.2 Water consumption: 20000 LPD for Cooling and 6500 for Domestic

2.3 Effluent generation: 5.20 KLD

2.4 Mode of disposal of treated effluent: Septic tank & Soak pit

3.CONDITIONS AS PER

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

3.1 Adequate air pollution control measures shall be operational at all times during the functioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

4.CONDITIONS AS PER

The Environment (Protection) Act, 1986.

4.1 The operation of the industry shall be strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000 and amendments made thereunder.

4.2 Battery waste if any shall be disposed of as per the Batteries Waste Management Rules, 2022.

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

4.4 E-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2022

5. SPECIFIC CONDITIONS

5.1. This consent is granted subjected to the power of the Board to review and make variations in all or any of the conditions as per section 21 (6) of the Air Act 1981 and Section 27 of Water Act 1974.

5.2 This consent is a renewal of Consent No.: PCB/IDK/ICO/74/2015 dated 10.04.2015 and is granted on the basis of the particulars, affidavit and other documents furnished by the applicant. If the statements furnished in the affidavit/document is found false or in the case of noncompliance of integrated consent to operate conditions the consent issued will be withdrawn/cancelled

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 2 months prior to the date of expiry. Late application will be accepted only with fine.

5.4 No change or alteration of the unit is to be made without the prior permission of the Board. Any change in the particulars furnished in the references or in the identity of the occupier / authorised agent is to be intimated to the Board forthwith.

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

5.6. This consent is granted based on the Environmental clearance issued from SEIAA vide ENVIRONMENTAL CLEARANCE NO.107/Q/2023 Dated 01.07.2023 for 7.4590 Ha. in survey no 8/9 .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.

5.7 The consent issued from the Board is only with respect to the powers vested under the Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of Pollution) Act 1981 and Environment Protection Act, 1986 and The Rules there under. The operation of the quarry shall be commenced only after obtaining clearances from all concerned Authorities.

- 5.8. There shall not be any quarrying activity between 6 pm to 6 am.
- 5.9. Mining activities shall be done only in the area marked by Mining & Geology.
- 5.10. There shall be a minimum distance of 50 m 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.
- 5.11. The PM_{10} in ambient air at the boundary shall not exceed 100 microgram/ m^3 .
- 5.12. The $PM_{2.5}$ in ambient air at the boundary shall not exceed 60 microgram/ m^3 .
- 5.13. The sound level (Leq) at 1 m outside the boundary of the site should not exceed the ambient noise Standard applicable to the adjoining areas.
- 5.14. Conditions given in the Environmental clearance shall be strictly complied with.
- 5.15. Mining shall be only done as per the mining plan attached with EC.
- 5.16. This Consent is issued based on the Judgment dated 25-10-21 of the Hon'ble Supreme Court of India in CA no. 6273 of 2021 and connected matters, order dated 14-12-2021 of the Hon'ble Supreme Court in MA no. 1904 of 2021, Judgment dated 10-11-2021 of the Hon'ble High Court of Kerala in WP(C) 2773 of 2021 and Judgment dated 10-12-2021 of the Hon'ble High Court of Kerala in WP(C) 27178 of 2021.
- 5.17. This Consent is issued subject to any order passed by the Honourable Supreme Court, Honourable National Green Tribunal, Honourable High Court of Kerala in connected matters.
- 5.18. Quarrying shall be done only within the area marked in the approved location plan attached. No change, deviation or alteration that may affect the environment, extent and location of quarry shall made. Any change in particulars furnished in the application/the identity of the occupier/ authorized agent is to be intimated to the Board forthwith.
- 5.19. The applicant shall put up sign boards near the main entrance of the plant to display consent number & validity.
- 5.20. 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.
- 5.21. Fencing shall be provided around the boundary of quarry and shall be maintained properly.
- 5.22. 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.
- 5.23. The consent issued from the Board shall be valid only for a period when all other statutory or necessary clearances from other concerned authorities are valid.
- 5.24. 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.
- 5.25. Regular wetting of the roads in the premises of the quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary of the unit.
- 5.26. Products shall be transported with proper cover and/or after wetting to prevent spreading of dust.
- 5.27. Garland drain, silt trap etc shall be provided so that there shall not be discharge of silt containing water from the premises of the unit.
- 5.28. Products shall be transported with proper cover and/or after wetting to prevent spreading of dust.
- 5.29. Once the lease/permit from the mining and geology is obtained, copy of the same shall be submitted to the office.
- 5.30. All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

Digitally signed by  RAJENDRAN
Date: 2024.09.27 11:41:28 IST

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER



To

M/s MARTHOMA GRANITES
MARTHOMA GRANITES, MEENMUTTY, EDAVETTY P.O
THODUPUZHA, IDUKKI, KERALA- 685588
E-Mail : marthomasands@gmail.com
Contact Number :8111868990,

- 1.This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to www.keralapcbonline.com and search using Certificate Number/Name of the unit/Application Number in "Certificate Verification" link in the home page of the Board's Phoenix website.

PANCHAYAT LICENSE



ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത് ഗ്രാമപഞ്ചായത്തിൽ നിന്നും

1994ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും

അതേ ഇടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച്

ഹാക്കുറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന

ലൈസൻസ്

നമ്പർ : 83-97/25

തീയതി : 29/03/2025

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	സാജൻ മാണി, മാണേജിങ് പാർട്ണർ, മാർത്തോമ്മ ഗ്രാനൈറ്റ്സ്, മീൻമുട്ടി, ഇടവെട്ടി പി ഒ	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	മാർത്തോമ്മ ഗ്രാനൈറ്റ്സ്, മീൻമുട്ടി, ഇടവെട്ടി പി ഒ	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറമട നടത്തുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	വാർഡ് 6/വില്ലേജ്-ആലക്കോട്, സരർവ്വ നമ്പർ-8/9, വിസ്തീർണ്ണം-7.4590 ഹെക്ടർ	
ലൈസൻസ് കാലയളവ്	01/04/2025 മുതൽ 31/03/2026വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	15000 /- രൂപ	രസീത് നം: 1240103663 തീയതി: 25/03/2025
തൊഴിൽക്കരം	2500 /- രൂപ	രസീത് നം: 1240103663 തീയതി: 25/03/2025
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷകപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)		

ലൈസൻസി താഴെപ്പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

1. കേരള പഞ്ചായത്ത് ഓഫ് ആക്ടും അനുബന്ധങ്ങളും എങ്ങനെയും പരിഷ്കാരങ്ങളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽസ്ഥലവും അതിലുള്ള സ്ഥാനസമതലികളും പഞ്ചായത്ത് അധികാരികൾക്കോ / സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിചയപ്പെടുത്തുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യങ്ങൾ നൽകേണ്ടതും അഡ് ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസി കാണിക്കേണ്ടതാകുന്നു.
3. എല്ലാ സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസി നൽകിയിരിക്കുന്നതോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്കവിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി അന്റെ പേരും ലൈസൻസിന്റെ നമ്പരും ഉദ്യോഗ്യ കാണിക്കുന്ന ഒരു അടയാളപ്പെരുക്ക വെച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽനിന്നും അനുവാദം നൽകിപ്പോകേണ്ടതോ തൊഴിൽസ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർമ്മാണ പക്ഷം വീരും മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതാകുന്നു.
5. തൊഴിൽസ്ഥലവും പരിസരങ്ങളും സുരക്ഷിതവും സാമൂഹികശാലാപരവും ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനപ്രവേശനാകാത്ത വിധത്തിലും വ്യാപാരത്തിന് വെച്ചിട്ടുള്ള കക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണക്കുടി, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. എന്തൊരു പ്രവൃത്തിവിവരത്തിന്റെയും മറ്റാരുടെയും സ്വത്തിലാകേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിറക്കുപിടിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുവാരാ മൂലങ്ങളുടെ അപരിഷ്കാരമോ മറ്റ് പദാർത്ഥങ്ങൾ ശേഖരിച്ച് സെക്രട്ടറിയുടെ ട്രഷ്യറിക്കുമാത്രം തിരിച്ചിൽ നൽകും ചെയ്യിക്കേണ്ടതാണ്.
8. ലൈസൻസി എന്തൊരു കെട്ടിടത്തിന്റെയും പുറത്തുള്ള അപവശത്തിന്റെ എന്തൊരു ഭാഗവും തെർപ്പാക്കി പരിസരത്തിലുള്ള തറയും തടപ്പാതയും അതിലെ തെരിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രവകരമാ, മാലിന്യമോ ചപ്പുവാരാ അപവശവും ഉപയോഗിക്കരുതെന്നും ഏതെങ്കിലും പദാർത്ഥങ്ങൾ അതിലെ ഭാഗികമായി തടയുന്നതെങ്കിലും എപ്പോഴും നന്നായി കെട്ടുപാടു തീർത്തു തിരിച്ചിരിക്കേണ്ടതാണ്.
9. ലൈസൻസി തെർപ്പാക്കി സ്ഥലത്തോ, പരിസരത്തോ അതാടുപെടുന്നതും എന്തൊരു മാവുമാറ്റം അഭ്യർത്ഥിക്കും കളയുന്നതിനുള്ള ഉപകരണവും ഏപ്പോഴും നന്നായി കെട്ടുപാടുതീർത്തും വെച്ചിരിക്കേണ്ടതാണ്.
10. അതിരും ആപതിക്കുന്ന കടകളുടെ ലൈസൻസി ന്റ് ചെയ്യുന്നതാണ്.
11. എന്തെങ്കിലും തരത്തിലുള്ള തുറന്ന് തൊഴിലോ കഷ്ടതാഗതം, വൃണമോ പകർച്ചവ്യാധികളോ ഉള്ള അത്താറമോ കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. നിരോധിത ഫ്ലാസ്റ്റിക് ഇനങ്ങൾ ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ മോർട്ടറിൽ സ്ഥലനാശം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ പോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ഓഫീസുകൾക്ക് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻസോഡ്, ഹാഫ് കട്ട്, തുടങ്ങിയവ സംഭരിച്ചു വെക്കുന്നതോ വിൽക്കുന്നതോ പാടില്ല.
16. മലമുരയെ അണുവിക്കുവാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസി ന്റ് ചെയ്യുന്നതിന് കാരണമാകാവുന്നതാണ്.
18. പൊതുജനവകുപ്പിന്റെ 13-06-2020ലെ സ.ഉ. (സാധാ) 1877/2020/പൊ.ജ.ഉ. ഉത്തരവു പ്രകാരമുള്ള കോവിഡ് പ്രൊട്ടോക്കോൾ പാലിക്കണം.
19. താമ്രശാസ്ത്രം ഭരണ വകുപ്പിന്റെ 22-07-2017ലെ സ.ഉ.(സാധാ) 2511/2017/ക.സ.ജ.ഉ. പ്രകാരമുള്ള ഉറവിട മാലിന്യ സംസ്കരണ സംവിധാനം സ്ഥാപിക്കണം.
20. മറ്റ് വകുപ്പുകളിൽ നിന്നും അനുവദിച്ചിട്ടുള്ള പെർമിഷൻ, ലൈസൻസി, മറ്റ് മുൻനിയമങ്ങൾ എന്നിവ അതത് സമയങ്ങളിൽ പൂർണ്ണമാക്കേണ്ടതാകുന്നു. അല്ലാത്ത പക്ഷം പഞ്ചായത്ത് അനുവദിച്ചിട്ടുള്ള ലൈസൻസി നമ്പരമേ അനുസരിക്കേണ്ടതാണ്.

21.

(ഒപ്പ്)
സെക്രട്ടറി
ഇടതാഴെ ഗ്രാമപഞ്ചായത്ത് ഗ്രാമപഞ്ചായത്ത്

NB. ഈ ലൈസൻസി ഫീയില്ലാതെ ചെറു വെച്ചിട്ടുള്ളതാണ് ആയതിനാൽ പ്രത്യേകമായ ചെറു നീക്കം ആവശ്യമില്ല. ഈ ലൈസൻസി അനുസരിക്കുന്ന നിരത്തിൽ കൂടുതൽ വിവരങ്ങൾ ലൈസൻസി എടുക്കുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്.

File ref.No. 27756

സെക്രട്ടറി
ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത് ഗ്രാമപഞ്ചായത്ത്

Document certified by ZAREENA P. A. zcareena@gmail.com

Digitally signed by ZAREENA P A
Date: 2025.03.25 17:38:40 IST
Reason: ILGMS Govt. of Kerala

7:35 5G

Umashankar Thodu...
Today, 2:49 pm

Sd/- Branch Manager
State Bank of India, Chingavanam Branch

PUBLIC NOTICE

NOTICE

This is to inform to the General Public that the proposed quarry project located at Survey Nos. 8/9, Alakkodu Village, Alakkode & Edavetty Grama Panchats, Thodupuzha Taluk, Idukki District, Kerala for an area of 7.4590ha is being developed by M/s Marthoma Granites is accorded with ENVIRONMENTAL CLEAR-ANCE by State Environment Impact Assessment Authority, Kerala vide EC Identification No. EC23B000KL128115 & Proposal No. SIA/KL/MIN/272893/2022, File No. 1413(A)/EC1/2019/ SEIAA dated 01.07.2023 and the copy of the Environment Clearance is available with the office of State Environment Impact Assessment Authority, and may also be seen on the website of the Authority at www.seiaakerala.in.

PUBLIC NOTICE

PUBLIC NOTICE

Notice is hereby given that the property measuring to an extent of 06.44 (02.20 + 04.00 + 00.24) Are

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FENCING



BOUNDARY PILLARS



VQW8+22, Keerikode, Kerala 685581, India

Latitude

9° 53' 47.69858" N

Longitude

76° 46' 0.50117" E

Local 12:52:35 PM

GMT 07:22:35 AM

Altitude 111 meters

Wednesday, 26.03.2025



VQW8+22, Keerikode, Kerala 685581, India

Latitude

9° 53' 46.03168" N

Longitude

76° 46' 0.43871" E

Local 12:54:07 PM

GMT 07:24:07 AM

Altitude 111 meters

Wednesday, 26.03.2025

EC BOARD



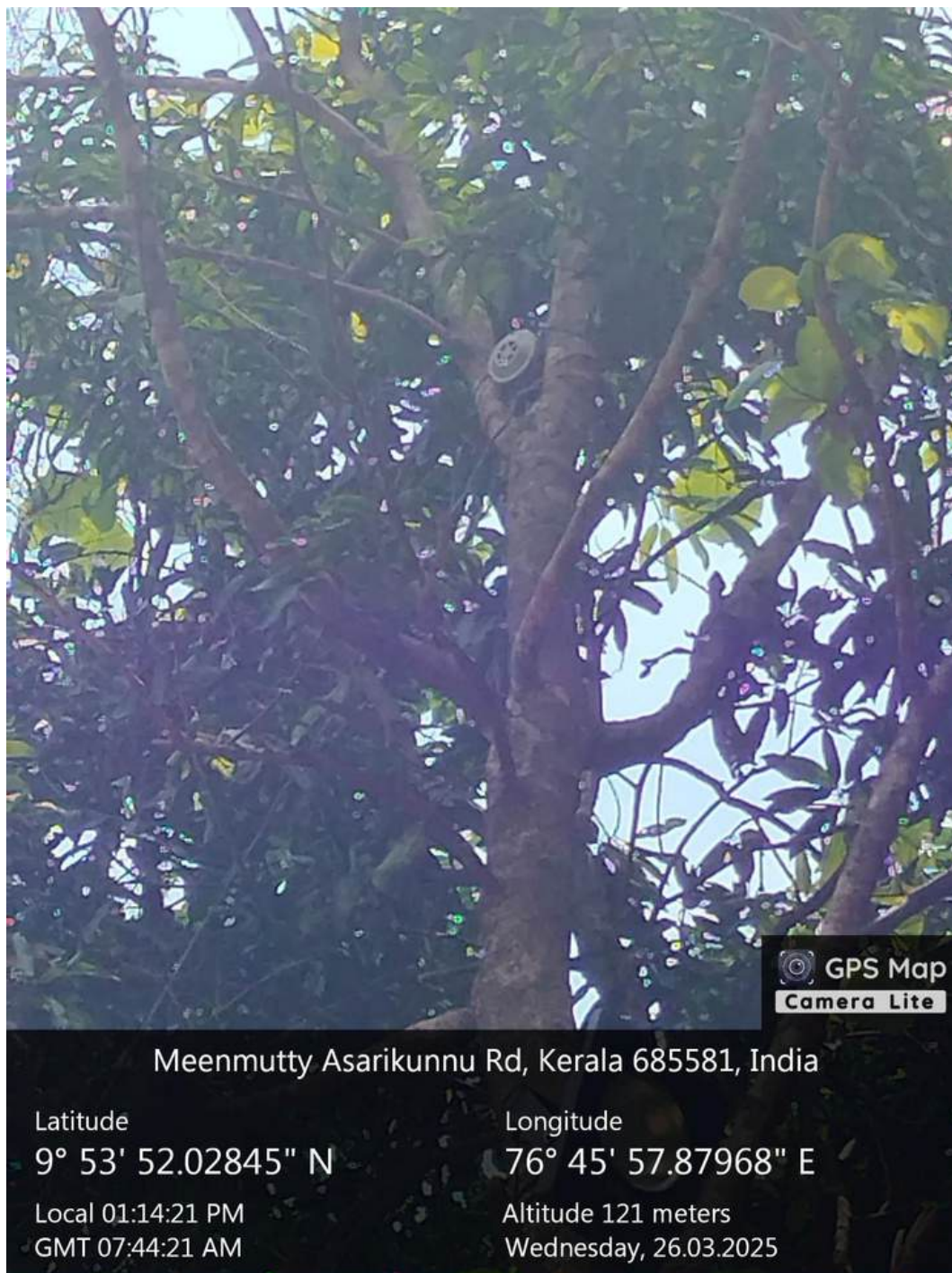
ANNEXURE-15



EXPLOSIVE-MAGAZINE



WARNING ALARM



ACCESS ROAD



Meenmutty Asarikunnu Rd, Kerala 685581, India

Latitude

9° 53' 52.38092" N

Longitude

76° 45' 58.10461" E

Local 12:47:58 PM

GMT 07:17:58 AM

Altitude 121 meters

Wednesday, 26.03.2025

ANNEXURE-18

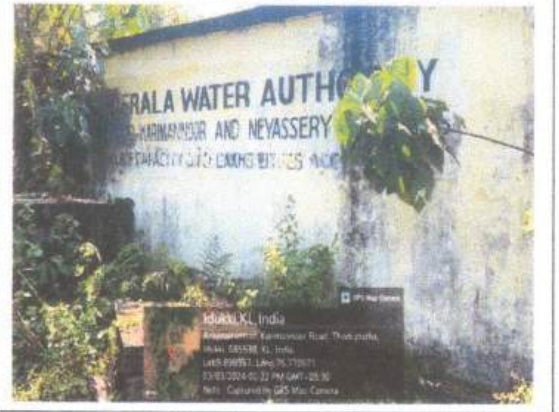


QUARRY BENCHES



QUARRY BENCHES

**A REPORT
ON
ASSESSMENT OF EFFECT OF BLASTING OPERATIONS IN THE
PROPOSED QUARRY OF M/s. MARTHOMA GRANITES
ON AN ADJACENT WATER TANK
(CONSULTANCY PROJECT CODE: NITK/MN/2023-24/0036)**



SUBMITTED TO:
MR. SAJAN MANI
MANAGING PARTNER
M/S. MARTHOMA GRANITES
EDAVETTY- P.O, THODUPUZHA-
IDUKKI- DISTRICT, KERALA- 685588



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ACKNOWLEDGEMENTS

The Principal Investigator is thankful to Sri. Sajan Mani – Managing Partner of M/s. Marthoma Granites for awarding the study.

The Principal Investigator is grateful to the Director, National Institute of Technology Karnataka, Surathkal (Govt. of India) for permitting to take up the project.

Dr. K. Ram Chandar

Principal Investigator

Consultancy Project Code: NITK/MN/2023-24/0036

March. 06, 2024

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MANGALORE - 575 025, INDIA

Recipient of : IE (India) Young Engineer Award,
MGMI Engineering Gold Medal
MEAI-SRG IT Award,

ISTE –SGSITS Young Teacher Award,
IE-NDRF-National Design Award
MEAI- Smt. Kiran Devi Singhal Memorial Award

INTRODUCTION

Mr. Sajan Mani - Managing Partner of M/s Marthoma Granites, Edavetty - PO, Thodupuzha - Taluk, Idukki District of Kerala is in the process of starting a granite building stone quarry in Survey No. 8/9 in Alakkodu Village, Thodupuzha Taluk, Idukki District of Kerala. The Geologist of Department of Mines & Geology- Idukki District has issued a letter to the proposed quarry management stating that NOC (No Objection Certificate) to be produced from Kerala Water Authority as there is a water tank at a distance of 315m in North East direction of the proposed quarry lease area. So, the proponent has approached the Principal Investigator from NITK, Surathkal with a request to conduct a scientific study to assess the impact of the blasting operations in the proposed granite quarry on the water tank. So, this study is taken up.

Field Observations

A field visit is made to the proposed quarry site in the first week of March. 2024, the proposed quarry area and the water tank are inspected thoroughly. A view of the proposed quarry area is shown in Fig. 1. Part of the lease area consisting of an old quarry (Fig. 2). It can be observed from the exposed rock mass of the abandoned quarry that the rock is very hard and massive, which needs to be fragmented using drilling and blasting methodology. The water tank is at a distance of 315m in north east direction of the lease area (Fig. 3), the closest point is pillar No. 27 (Fig. 4). However, the pillar and the water tank are not intervisible due to undulations/level difference and thick vegetation in-between. Keeping in view the nature of the structure/water tank, a permissible Peak Particle Velocity of 5mm/s may be assigned as per Director General of Mines Safety (DGMS) guidelines irrespective of frequency of ground vibrations.





FIG. 1 A VIEW OF PROPOSED QUARRY AREA

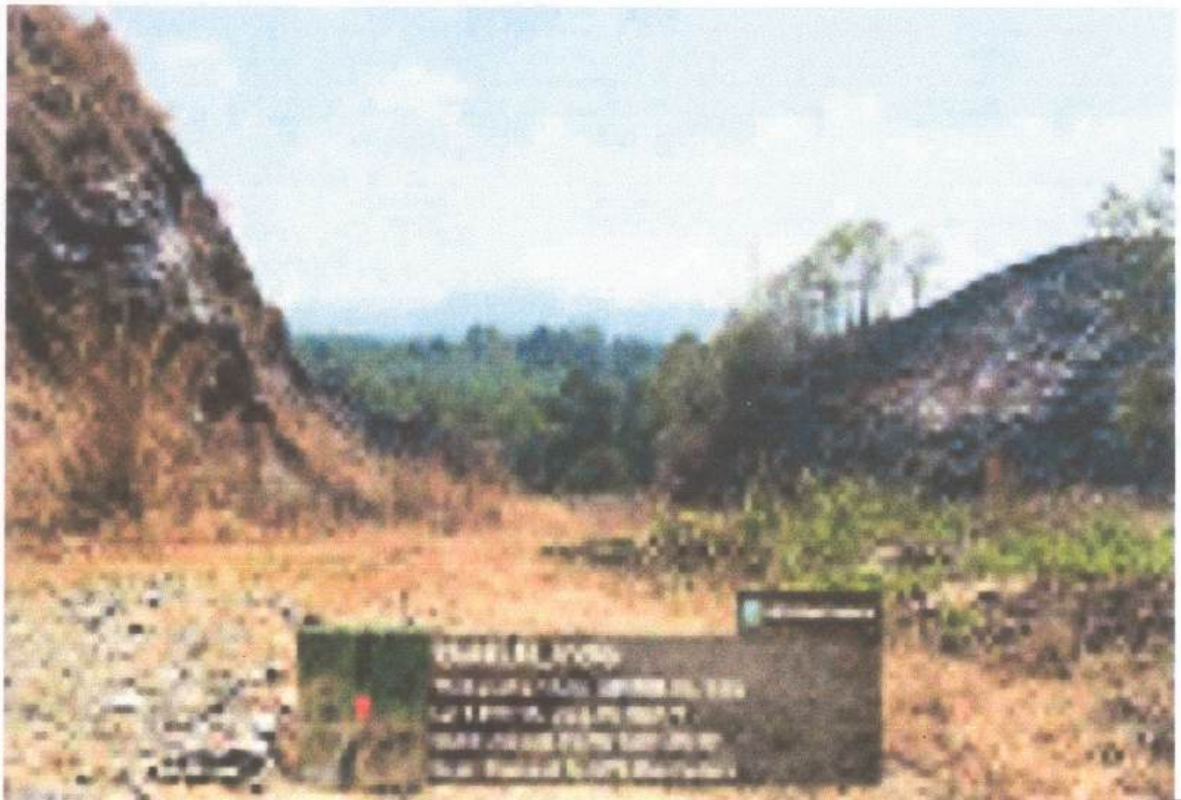


FIG. 2 (A)



FIG. 2 (B)
FIG. 2 A VIEW OF THE ABANDONED QUARRY

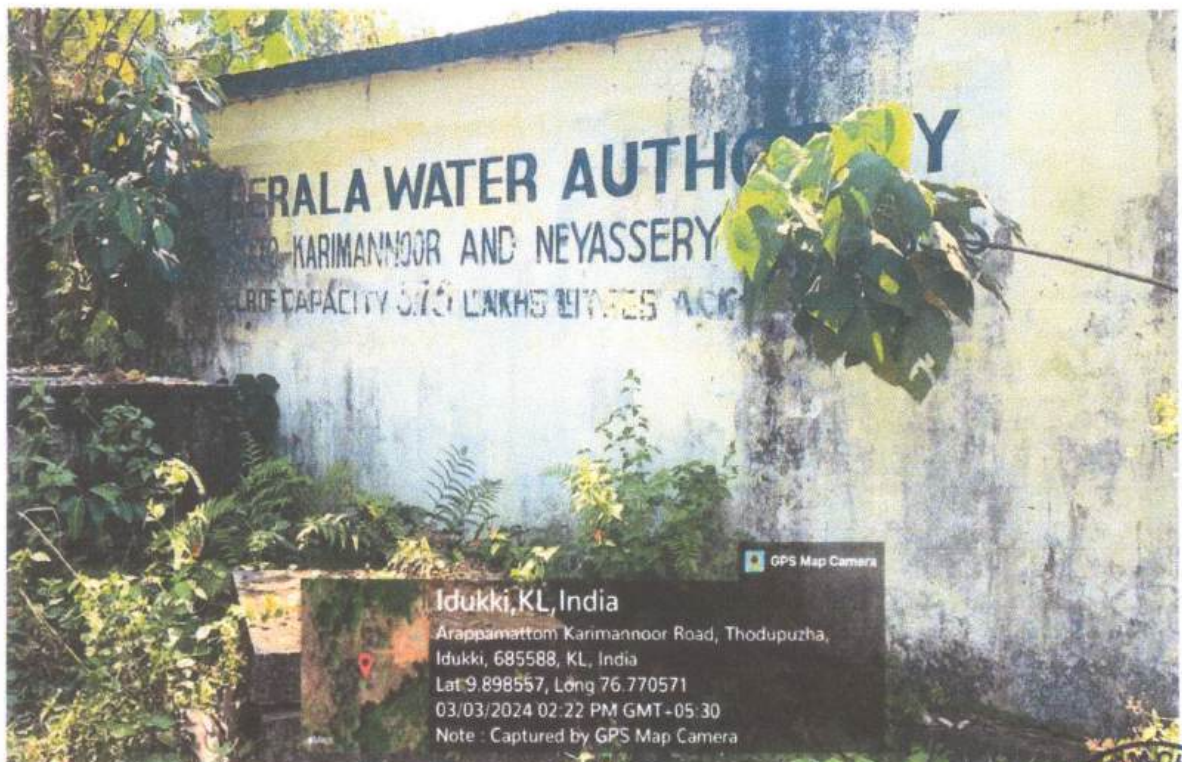


FIG. 3 (A)



FIG. 3 (B)

FIG. 3 A VIEW OF THE WATER TANK





FIG. 4 A VIEW OF PILLAR NO. 27



Suggested Blasting Methodology

As the quarry is not yet started, in order to obtain the required permissions, an exploratory study is carried out. Based on the field observations and keeping in water tank near the proposed quarry lease area, the following blasting methodology is suggested.

Blasthole diameter: 32 to 35mm

Burden: 0.9 to 1.2m (3 to 4 feet)

Spacing: 0.9 to 1.2m (3 to 4feet)

Depth of the hole: 1.5 to 1.8m (5 to 6 feet)

Drilling pattern: Staggered

Explosive Charge / Hole: 250 to 500gm (cartridged explosives of each 125gm)

Maximum Charge / Delay: 500gm

Number of holes / Blast: Maximum of 36

Total Charge/ Blast: 12kg

No. of rows: Maximum of 3

Type of Initiation: NONEL based shocktube initiation

Blast pattern: As shown in Fig. 5 (Layouts may be modified based on the number of holes)

Surface delay timing of 17/25, 25/42, 42/67 and in hole delay timing of 250ms may be used.

Delay time duration between any two holes/delays should be atleast 8ms.

The above blast design is expected to give less than 5mm/s Peak Particle Velocity (PPV) beyond 100m from blast location. So, it is expected that the intensity of ground vibrations generated due to blasting from quarrying cannot cause any damage to the water tank.



The following blasting layout (Fig. 5) is suggested to conduct the blasting operations safely and efficiently in the proposed quarry area, without causing any damage to the water tank. Blast layout may be modified based on the number of holes per blast.

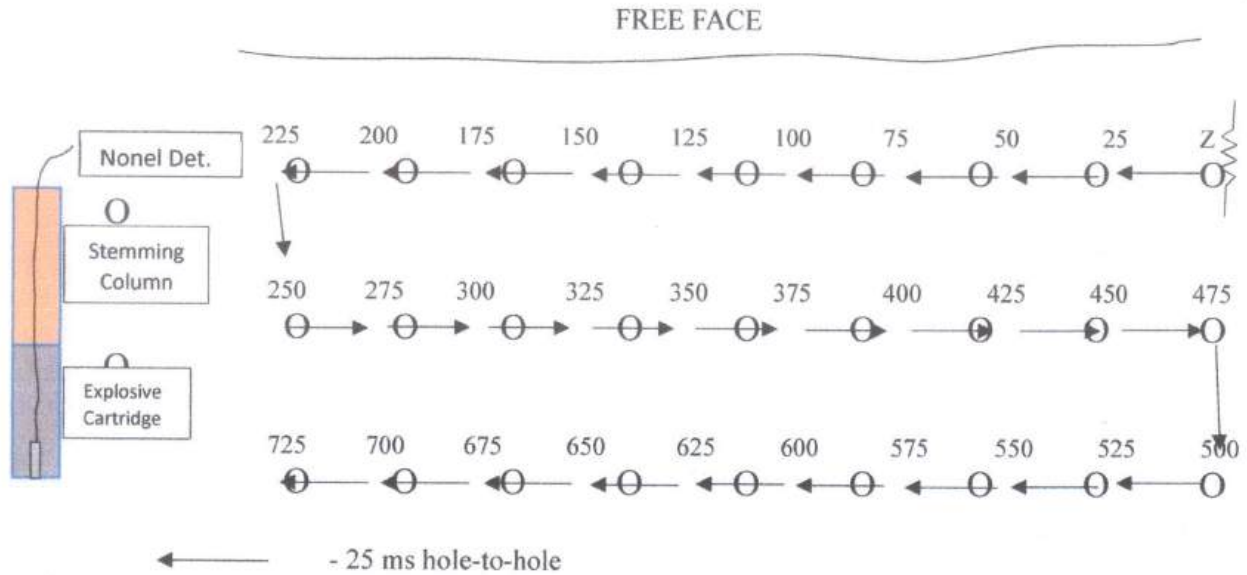


FIG. 5 (A)

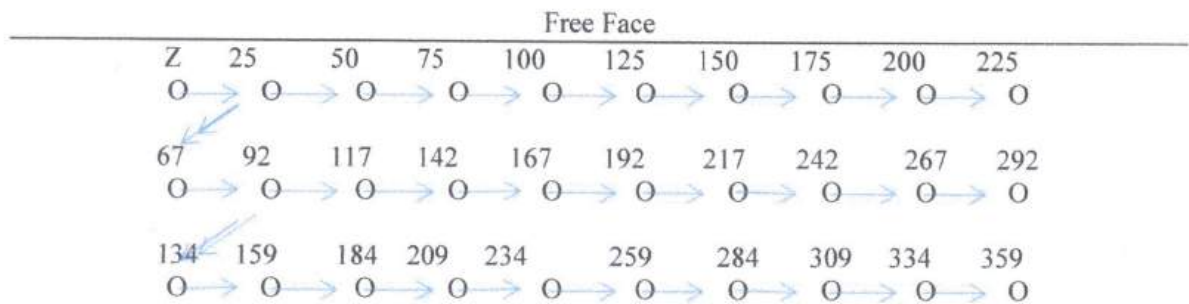


FIG. 5 (B)

FIG. 5 SUGGESTED PATTERN OF BLAST LAYOUTS

Handwritten signature and date:
06/03/2024

Dr. K. Ram Chandar

Principal Investigator

Dr. K. RAM CHANDAR

Professor

Dept. of Mining Engineering
National Institute of Technology Karnataka
Surathkal, P.O. Srinivasnagar
MANGALORE - 575 025, INDIA

ANNEXURE-20



SPEED LIMIT SIGN BOARD



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3rd Main Road, Basaveswara Badavane,

HOSPETE – 583201, Dist., Vijayanagara (Karnataka)

Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

GEMS-LD/TF/08/01

Report Issue Date: 17.03.2025

TEST REPORT OF AMBIENT NOISE LEVEL DATA

1	Name of the Industry	Granite Building Stone Quarry of M/s. Marthoma Granites Lease Area: 7.4590 Ha. Re-Sy. Block No. 32, Re-Sy No. 8/9, Alakode Village, Thodupuzha Taluk, Idukki 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 (Lutron SL-4023SD)
5	Month	: March
6	Duration of the Monitoring	: 24 Hours Sampling
7	Report No	: ULR-TC532325000003112F

Result

Date	11.03.2025	12.03.2025
Area	Industrial	Commercial
Name of the Location	Core zone	Asharikunnu
Sample code	347	348
Time (hrs)	N1	N2
6.00	39.2	39.8
7.00	40.5	40.4
8.00	40.2	40.5
9.00	40.9	41.2
10.00	46.4	43.2
11.00	44.4	42.5
12.00	48.9	46.4
13.00	48.5	45.1
14.00	48.9	47.4
15.00	52.4	50.1
16.00	53.5	51.3
17.00	51.4	49.5
18.00	51.5	50.4
19.00	50.2	50.5
20.00	47.2	48.1
21.00	43.9	45.9
22.00	42.9	43.8
23.00	41.5	42.4
00.00	40.2	40.8
01.00	39.1	40.5
02.00	38.1	39.1
03.00	37.2	38.2
04.00	36.8	37.5
05.00	36.9	37.1

Note:

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- Water Samples will be destroyed after 15Days, Minerals 3 Months, Filter papers & Thinbles after analysis Discard.
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Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

Name of the location	Core zone	Asharikunnu
L max	53.5	51.3
L min	36.8	37.1
L 10	37.47	50.31
L 50	43.4	42.85
L 90	51.47	50.31
Ld	48.99	47.56
Ln	39.59	40.44
Ldn	49.2	48.9
Leq	47.24	46.0

All Measured Values are in Db(A)

NOISE: (AMBIENT STANDARDS)

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 6:00 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.



Authorized Signatory
K. Ramakrishna Reddy
Technical Manager

Note:

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ANNEXURE-22



De-Silting



CATCH DRAINS

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HOSPETE – 583201, Dist., Vijayanagara (Karnataka)

Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

GEMS-LD/TF/23/01

Report Issue Date: 17.03.2025

Analysis Report of Water Quality Data

- 1 Name of the Industry : Granite Building Stone Quarry of
M/s. Marthoma Granites
Lease Area: 7.4590 Ha.
Re-Sy. Block No. 32, Re-Sy No. 8/9,
Alakode Village, Thodupuzha Taluk,
Idukki District, Kerala State
- 2 Customer Reference : -
- 3 Sample Collected by : GLOBAL Environment & Mining Services
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling procedure : GEMS-LD/SOP/32
- 6 Sample Type : **Water Samples (Ground Water)**
- 7 Date of sampling : 11.03.2025
- 8 Sample Received : 13.03.2025
- 9 Date of Analysis : 15.03.2025
- 10 Report Number : ULR-TC532325000003113F

Results

Sl. No.	Parameters	Protocol	Unit	Results	Standard as per IS : 10500 : 2012	
				Sample Code	Desirable limits	Permissible limits
				349 GW		
1.	Temperature	Thermometer	°C	25.8	-	-
2.	pH	APHA 23 rd Edition 2017 4500 H+ B (Pg No. 4-95 to 4-99)	-	6.95	6.5-8.5	NR
3.	Conductivity	APHA 23 rd Edition 2017 2510 A (Pg No. 2-56 to 2-58)	µS/cm	145	-	-
4.	Total Dissolved Solids	APHA 23 rd Edition 2017 2540 C (Pg No. 2-69 to 2-70)	mg/L	187	500	2000
5.	Turbidity (NTU)	APHA 23 rd Edition 2017 2130 B (Pg No. 2-13 to 2-15)	NTU	0.27	1	5
6.	Phosphorous P	APHA-23 rd Edition 2017 4500-D (Pg No. 4-163 to 4-164)	mg/L	<0.01	-	-
7.	Sodium as Na	APHA 23 rd Edition 2017 Na 3500 B (Pg No. 3-99 to 3-100)	mg/L	9.5	-	-
8.	Potassium as K	APHA 23 rd Edition 2017 K 3500 B (Pg No. 3-89 to 3-90)	mg/L	0.52	-	-
9.	Calcium as Ca	APHA 23 rd Edition 2017 3500 Ca B (Pg No. 3-69 to 3-70)	mg/L	24	75	200
10.	Magnesium as Mg	APHA 23 rd Edition 2017 3500 B Mg By calculation (Pg No. 3-86)	mg/L	6.8	30	100
11.	Total Hardness as CaCO ₃	APHA 23 rd Edition 2017 2340 C (Pg No. 2-48 to 2-50)	mg/L	175	200	600
12.	Chloride as Cl	APHA 23 rd Edition 2017 4500 Cl- (Pg No. 4-75 to 4-76)	mg/L	15.8	250	1000
13.	Sulphate as SO ₄	APHA 23 rd Edition 2017 4500 -SO ₄ ²⁻ B (Pg No. 4-199 to 4-200)	mg/L	45	200	400
14.	Fluoride as F	APHA 23 rd Edition 2017 4500 F-D (Pg No. 4-90 to 4-91)	mg/L	<0.1	1.0	1.5
15.	Nitrate Nitrogen as NO ₃	APHA 23 rd Edition - 4500 NO ₃ - B (Pg No. 4-131 to 4-132)	mg/L	18	45	NR
16.	Total Alkalinity as CaCO ₃	APHA 23 rd Edition 2017 2320 B (Pg No. 2-37 to 2-39)	mg/L	94	200	600

Note:

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Ph : +918394 355369

e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

ULR-TC532325000003113F

17.	Total Iron as Fe	APHA 23 rd Edition 2017 3500 B Fe B. (Pg No. 3-80 to 3-82)	mg/L	0.25	0.30	NR
18.	Nickel as Ni	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.01	0.02	NR
19.	Manganese as Mn	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.1	0.10	0.30
20.	Copper as Cu	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.05	0.05	1.50
21.	Zinc as Zn	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.1	5	15
22.	Lead as Pb	APHA 23 rd Edition 31.11 B. Direct Air Acetylene Flame method	mg/L	<0.01	0.01	NR
23.	Total Coliforms	IS 15185:2016	MPN/100ml	Ab	Shall not be detectable in any 100ml sample	-
24.	E- Coli	IS 15185:2016	MPN/100ml	Ab	Shall not be detectable in any 100ml sample	-

Note: GW: Asharikunnu

NR: No Relaxation, Ab: Absent

INFERENCE

As per Standards IS: 10500:2012

Report Status: - Measured Values for the above parameters are within the limit.

*Anusha*Analyzed By
Anusha M
ChemistAuthorized Signatory
K. Ramakrishna Reddy
Technical Manager**Note:**

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thinbles after analysis Discard.
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ANNEXURE-24



GARLAND DRAINS/SILT TRAPS



MONITORING REPORTS

 		GLOBAL ENVIRONMENT & MINING SERVICES (Consulting Engineers, Mine designers, Geologist & Surveyors) 3 rd Main Road, Basaveswara Badavane, HOSPETE – 583201 , Dist., Vijayanagara (Karnataka) Ph : +918394 355369 e-mail : gems_hpt@yahoo.com Website : www.globalmining.in										
GEMS-LD/TF/11/01 Report Issue Date: 17.03.2025												
ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA												
Name of the Industry		Granite Building Stone Quarry of M/s. Marthoma Granites Lease Area: 7,4590 Ha. Re-Sy. Block No. 32, Re-Sy No. 8/9, Alakode Village, Thodupuzha Taluk, Idukki District, Kerala State										
Sample Type		: Ambient Air Quality Monitoring										
Particulars of Sample Collected		: Respirable Dust Sampler, FPS Sampler & CO Analyzer										
Month		: March										
Location		: Core zone area										
Monitoring station code		: A1										
Duration of Monitoring		: 24 Hour										
Report Number		: ULR-TC532325000003110F										
RESULTS												
Parameters			PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	SO ₂ [µg/m ³]	NO ₂ [µg/m ³]	CO (1 Hour) (mg/m ³)					
Reference method			IS : 5182:2006 (Part 23) (RF- 2017)	IS : 5182(Part 24): 2019	IS : 5182: 2001 (Part 2) (RF 2017)	IS : 5182: (Part 6) 2006 (RF 2017)	IS : 5182: (Part 10) 1999 (RF 2006)					
Date of Sampling	Date of sample received	Sample code	Result	STD	Result	STD	Result	STD	Result	STD	Result	STD
11.03.2025	13.03.2025	345	53.4	100	21.2	60	11.9	80	14.9	80	ND	4.0
Note:			CO - GEMS/SOP/86/as per CO analyzer Manual (1 hour) ND - Not Detected (<0.001)									
INFERENCE			As per NAAQMS Standards 2009, Report Status: - Measured Values for the above parameters are within the limit.									
 Analyzed By Anusha M Chemist			 Authorized Signatory K. Ramakrishna Reddy Technical Manager									
Note: 1. The result listed refers only to the tested samples & applicable parameters. Indorsement of products is neither inferred nor implied. 2. Water Samples will be destroyed after 15Days, Minerals 3 Months, Filter papers & Thinblies after analysis Discard. 3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing. 4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Hospete jurisdiction only. 5. Recognized by Ministry of Environment, Forest and Climate Change for Laboratory. 6. Recognized by Government of Karnataka, Maharashtra, Goa for DLPS survey.												

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e-mail : gems_hpt@yahoo.com

Website : www.globalmining.in

GEMS-LD/TF/11/01

Report Issue Date: 17.03.2025

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : Granite Building Stone Quarry of
M/s. Marthoma Granites
 Lease Area: 7.4590 Ha.
 Re-Sy. Block No. 32, Re-Sy No. 8/9,
 Alakode Village, Thodupuzha Taluk,
 Idukki District, Kerala State

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler & CO Analyser

Month : March

Location : Asharikunnu

Monitoring station code : A2

Duration of Monitoring : 24 Hour

Report Number : ULR-TC532325000003111F

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [µg/m ³]		CO (1 Hour) (mg/ m ³)	
Reference method			IS : 5182:2006 (Part 23) (RF- 2017)		IS : 5182(Part 24): 2019		IS : 5182: 2001 (Part 2) (RF 2017)		IS : 5182: (Part 6) 2006 (RF 2017)		IS : 5182: (Part 10) 1999 (RF 2006)	
Date of Sampling	Date of sample received	Sample code	Result	STD	Result	STD	Result	STD	Result	STD	Result	STD
12.03.2025	13.03.2025	346	49.1	100	17.9	60	11.1	80	13.5	80	ND	4.0

Note:

CO - GEMS/SOP/86/as per CO analyzer Manual (1 hour)

ND - Not Detected (<0.001)

INFERENCE

As per NAAQMS Standards 2009.

Report Status: - Measured Values for the above parameters are within the limit.

*Anusha*Analyzed By
Anusha M
Chemist*TKR*Authorized Signatory
K. Ramakrishna Reddy
Technical Manager**Note:**

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ANNEXURE-25B



Water Sprinkling for dust suppression



Water spraying arrangement

ANNEXURE-26



ANNEXURE -27

CER Beneficiary Bills amount total Rs. 16690+5000+5000=26690

	
ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത്	QM 039 TQS / Q-1655 ISO 9001:2015
ഇടവെട്ടി പി.ഒ., പിൻ : 685 588	കാവാലത്ത് തെക്കുംമുക്ക് പി.ഒ. ഫോൺ : 9447918226 8606384082 ✓

സ്ഥലം : തടവേളി
തീയതി : 20.8.2025

ഇടവെട്ടി ഗ്രാമ പഞ്ചായത്തുടെ വിവിധ വീടുകളിൽ പ്രവർത്തിക്കുന്ന സെന്റ്. ജോർജ്ജ് ഹ.പ. സ്കൂളിൽ പങ്കിടുകയ്ക്കായി പണയപ്പെടുത്തിയ ഒരു സ്കൂൾ വിദ്യാർത്ഥിക്ക് പരിവർത്തനത്തിന്റെ വാദകന്റെ അനുമതിക്കായി 16690 രൂപയുടെ രെറ്റിരിയൻസ് വാർഡ് അക്കൗണ്ടിലേക്ക് അടയ്ക്കൽ. 20-8-2025-ന് വാർഡ് ഓഫീസർക്ക്. രെറ്റിരിയൻസ് പത്രികയ്ക്ക് വാർഡ് ഓഫീസർക്ക്. വി.പ.പ.ഒ. എന്ന നിലയിൽ അറിയിക്കുന്നു.

— രണ്ട്



ബേബി തോമസ്
മെമ്പർ, വാർഡ് 7, കല്ലാനിക്കൽ
ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത്



LIVER FOUNDATION OF KERALA

Charitable Trust Reg No.: 63/NV/2022

Lalitha Nivas, Nr. Chengampuzha Park, Opp Metro pillar # 458, Edappally, Ernakulam-682024
E-mail: lifokkerala@gmail.com Web: www.lifok.org

No.: 634

RECEIPT

Date: 13/6/25

Received with thanks from Marthoma Leavants

the sum of Rupees five thousand only

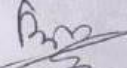
by Cheque ☒ Vide No: 0094 Bank: HDFC (12/6/25)

by UPI payment ☐

by Cash ☐

towards

₹ 5000/-


Authorised Signatory



ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത്

ഷീജ നൗഷാദ്

ഇടവെട്ടി പി.ഒ., പിൻ : 685 588

ചെയർപേഴ്സൺ

വികസനകാര്യ സ്റ്റാന്റിംഗ് കമ്മിറ്റി

ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത്

ഫോൺ : Office - 04862 223809



QM 039
TQS / Q-1655
ISO 9001:2015

വടക്കേൽ ഹൗസ്,

ഇടവെട്ടി പി. ഒ.,

ഫോൺ : 9746223038

സ്ഥലം : ഇടവെട്ടി

തീയതി: 29-09-2025

To,
Dilemji's Restaurant,
Pondicherry, Madurai.

Dear Sir,

ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത് പരിസ്ഥിതി വകുപ്പ്
വികസന സ്ഥിതിയുടെ ഭാഗമായി 2025
ഒക്ടോബർ മുതൽ വരെയുള്ള ദിനത്തിൽ സമുച്ചിതമായി
ഭരണപരിഷ്കരണം. ഈ പരിപാടിയിലേക്കുള്ള
താജിന്റെ സ്ഥാപനത്തിന്റെ സേവനങ്ങൾക്കായി
രൂപയായ 5000/- രൂപയുടെ നമ്പർ രജിസ്ട്രേഷൻ.

Sheeja Nounshad
Sheeja Nounshad

ഷീജ നൗഷാദ്
ചെയർപേഴ്സൺ
വികസനകാര്യ സ്റ്റാന്റിംഗ് കമ്മിറ്റി
ഇടവെട്ടി ഗ്രാമപഞ്ചായത്ത്
ഇടവെട്ടി പി.ഒ., പിൻ-685 588
ഫോൺ : 04862 223809



e-Stamp Serial Number : 202526000001550137

Verification Code : 165173070V

Govt. Reference No.(GRN)	: KL011661531202526E
Purpose	: Affidavit
Amount of Stamp Paper Purchased in Numeral	: ₹200
Amount of Stamp Paper Purchased in Words	: Rupees Two Hundred
Stamp Paper Purchased on	: 09/06/2025
First Party Name	: MANAGING PARTNER
First Party Address	: MARTHOMA GRANITES EDAVETTY
Second Party Name	: S E I A A
Second Party Address	: THIRUVANANTHAPURAM
Vendor Code & Name	: 10050355 - ARUN M
Treasury Code & Name	: 1005 - Sub Treasury, Thodupuzha

Please write or type below this line

AFFIDAVIT

I, SAJAN MANI Managing partner M/s. MARTHOMA GRANITES of Alakode Village, Thodupuzha Taluk, Idukki District, of Kerala, hereby state that the land Sy. No: 8/9 bearing the EC No: EC23B000KL128115 (E. C. File No: 1413(A)/EC1/2019/SEIAA, dated: 01.07.2023) that all the conditions stipulated in the Environmental clearance proceedings (ECP) shall be scrupulously following and do hereby solemnly affirm on oath as under that.

We will establish an environmental management cell to implement the environmental management strategy and meet the general and specific conditions stipulated in the EC conditions.


 Sajjan Mani
 Managing Partner
 Marthoma Granites
 Edavetty, Thodupuzha, Idukki
 Kerala

Solemnly affirmed and signed
 before me by the deponent
 known to me on this the 13th
 day of June 2025
 at my office at Thodupuzha



Adv. Jaeson J. Puthumanathotty



This can be verified by
https://www.astamp.treasury.kerala.gov.in/index.php?stamp_search using e-Stamp
 Serial Number and Verification Code.

In case of any discrepancy, please inform the concerned authority.

JAISON J. PUTHUMANATHOTTY
 ADVOCATE & NOTARY
 THODUPUZZHA, IDUKKI DIST.
 KERALA STATE, INDIA-685585
 PH : 9947854338



ARUN
 VENDOR, THODUPUZZHA