



Eldho Greego <eldhogreego2026@gmail.com>

HALF YEARLY COMPLIANCE REPORT OF GREEGO KURIAN FOR THE PERIOD OF OCTOBER 2025 - MARCH 2026

2 messages

Eldho Greego <eldhogreego2026@gmail.com>
To: rosz.bng-mefcc@gov.in

Thu, Jun 4, 2026 at 3:26 PM

I am herewith submitting the Half yearly Compliance Report for the period of October 2025 - March 2026 for your reference.

Name of Proponent: Sri. Greego Kurian


Location: Re Survey Nos. 149/8-2, 149/7-2, 149/6-2 & 149/5-2 in

Valakom Village, Kottarakkara Taluk, Kollam, District, Kerala, Environmental Clearance

No: 217/2024 dated 12.03.2025.

Yours faithfully


Greego Kurian

 **Greego Kurian Compliance Report - October 2025 to March 2026.pdf**
5356K

Eldho Greego <eldhogreego2026@gmail.com>
To: seacseiaakerala@gmail.com

Thu, Jun 4, 2026 at 3:26 PM

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 **Greego Kurian Compliance Report - October 2025 to March 2026.pdf**
5356K

Date: 03/06/2026

From,

Greego Kurian
Vadakkan House,
Kumarapuram post,
Ernakulam,
Kerala – 683565

To

MoEF Regional Office
Southern Zone, Kendriya Sadan,
4th Floor, E & F Wing, II Block,
Koramangala, Bangalore – 560 034

Respected Sir/Madam,

Sub: Submission of Half yearly compliance report in respect of Granite Quarry project of Sri. Greego Kurian in 149/8-2, 149/7-2, 149/6-2 & 149/5-2 of Valakom Village, Kottarakkara Taluk, Kollam District, Kerala State-regarding.

Ref: Environmental Clearance issued vide letter No. NO. 217/2024 dated 12.03.2025.

With respect to above subject, we are herewith submitting the detailed half yearly Compliance Report for the period from **October 2025 to March 2026** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours faithfully



GREGGO KURIAN

Copy to: The Member Secretary, State Level Environment Impact Assessment Authority, 4th floor, KSRTC terminal complex, Thiruvananthapuram – 695 014

COMPLIANCE REPORT FOR QUARRY PROJECT OF Sri. Greego Kurian

RE-SURVEY NOS : 149/8-2, 149/7-2, 149/6-2 & 149/5-2
EXTENT : 0.9270 HECTARES
VILLAGE : VALAKOM
TALUK : KOTTARAKKARA
DISTRICT : KOLLAM
STATE : KERALA

ENVIRONMENTAL CLEARANCE
NO. 217/2024 DATED 12.03.2025

HALF YEARLY COMPLIANCE REPORT

FOR THE PERIOD FROM OCTOBER 2025 TO MARCH 2026

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I

ABOUT THE PROPONENT

Sri. Greego Kurian, residing at Vadakkan House, Kumarapuram P.O., Ernakulam, Kerala – 683565, is operating a Granite Building Stone Quarry in Re-Survey Nos. 149/8-2, 149/7-2, 149/6-2, and 149/5-2 of Valakom Village, Kottarakkara Taluk, Kollam District. The State Environment Impact Assessment Authority (SEIAA), Kerala, has accorded Environmental Clearance vide No. 217/2024 dated 12.03.2025 for the said project.

ABOUT THE PROJECT

a. Project Category:

The project comes under the Category B, Activity 1(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.

b. Project Location:

Re-Survey Nos. 149/8-2, 149/7-2, 149/6-2, and 149/5-2 of Valakom Village, Kottarakkara Taluk, Kollam District. The proposed project site falls within latitude and longitude value:

Latitude (N)	8°55'31.61"N to 8°55'30.49"N
Longitude (E)	76°50'32.98"E to 76°50'32.59"E

c. Project Extent and Activity:

The project is for quarrying of 60,400 MT for first two years and 33,490 for third year of building stone from an area of 0.9270 hectares.

d. Project Description:

Omana P has obtained Environmental Clearance by SEIAA for three years and the validity expires on 11-03-2028. The proposed Granite (Building Stone) quarry over an area of 0.9270 hectares is located in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala. The proponent has obtained approval for mining plan to produce 60,400 MT for first two years and 33,490 MT for third year. And the total project cost for the project is 1crore 16lakhs.

II. REPORT OF COMPLIANCE

A. SPECIFIC CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
S-1	The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.	Quarrying operations are being carried out strictly in accordance with the approved Mining Plan and in compliance with the provisions of the Kerala Minor Mineral Concession Rules, 2015 and its amendments, and all specific conditions stipulated are being scrupulously adhered to.
S-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 permit / lease order should be provided to the SEIAA before commencing the mining activity.	Is aware of the directions issued and has submitted all necessary documents before the competent authority.
S-3	The Mining and Geology Department shall issue permit / lease only after (1) the production of an undertaking to the effect that the building located at a distance of 22m either shall be demolished or will be used only for office purpose and (2) NOC from the Irrigation Officer of Irrigation Department as clarified in the circular dated 19.11.2024 of the Chief Engineer, Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Ho.n'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04.2024. The project proponent shall scrupulously follow all the conditions in the NOC and the copy of the same shall be submitted to SEIAA along with the 1st HYCR.	The nearest built-up structure is own office building cum rest shelter and first Aid room with RCC roof.



Figure 1: office building at a distance of 22m

<p>S-4</p>	<p>The depth of mining should be limited to 115m AMSL to avoid the formation of pit and to avoid water stagnation on the slope and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.</p>	<p>A modified mining plan is prepared by limiting the depth of mining to 115 AMSL. The mineable resources have been reassessed by the Mining and Geology Department.</p>
<p>S-5</p>	<p>A buffer of 50m should be maintained from the project boundary to the nearest built structure.</p>	<p>A clarification was sought from SEIAA by the proponent in this regard and it was clarified that this clause does not pertain to the own building located at 22m.</p>
<p>S-6</p>	<p>Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Wriythia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.</p>	<p>The quarry is presently in the initial stage of operation, and a green belt will be developed within and along the periphery of the permit area. Suitable native species such as Phyllanthus emblica (Nelli), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), and Artocarpus hirsutus (Ayiniplavu) will be planted and maintained as part of the environmental management measures.</p>

S-7	Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees as proposed.	As the quarry commenced operations only a few months ago during the summer season, the Project Proponent was unable to undertake compensatory afforestation; however, necessary measures will be taken to carry out compensatory afforestation at the onset of the monsoon season. The proponent had already identified a place for compensatory afforestation.
S-8	Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.	The geo-tagged photograph of the site identified for compensatory afforestation is attached herewith, and the progress of plantation will be submitted in the subsequent compliance report.



Figure 2: Area identified for compensatory afforestation

S-9	Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.	The proponent will plant some number of avenue trees of indigenous species on both sides of the haulage road.
S-10	The haulage road should be provided with sprinkling facility to prevent dust pollution.	The quarry is presently at the initial stage of development, and the water sprinkling facility will be implemented during the subsequent development phase to control dust generation.
S-11	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.	Proper Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be constructed.
S-12	Garland drain, silt-traps, siltation ponds and outflow channels should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).	As the quarry is at the initial stage of development, garland drains, silt traps, siltation ponds, and outflow channels shall be constructed and desilted periodically during the forthcoming stages of mining operations to ensure proper drainage and sediment control.
S-13	Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.	Scrupulously follows the directions contained.
S-14	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.	Drainage water has been monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. The detailed lab report is attached as annexure -10
S-15	Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.	Overburden should be stored at the designed place and gabion wall will be provided on later stages.



Figure 3: Photograph showing OB dump

<p>S-16</p>	<p>The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.</p>	<p>Scrupulously follows the Directions contained.</p>
<p>S-17</p>	<p>Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.</p>	<p>The Project Proponent has already initiated the Corporate Environment Responsibility (CER) activities. As part of the CER commitments, an amount of ₹6,60,000/- has been provided to Ummannoor Grama Panchayat for the installation of mini mast/low mast lighting facilities for the benefit of the local community. The details regarding the implementation status and utilization of the funds shall be furnished in the subsequent Half-Yearly Compliance Report (HYCR) along with</p>

		supporting documents. (Beneficiary letter awarded by Ummannor Grama Panchayath is attached as annexure 4)
S-18	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 5.00 pm).	The Project Proponent is aware of the directions issued and is complying accordingly, with no violations reported, and all stipulated time limits are being strictly adhered to.
S-19	Adequate sanitation, waste management and restroom facilities should be provided to the workers.	The nearest built-up structure is the Project Proponent's own office, located at a distance of 22 m, which is being utilized as a building-cum-rest shelter and first aid room with an RCC roof; adequate sanitation and waste management facilities are being provided.
S-20	Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.	Solar power plants will be installed-
S-21	The 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.	A separate Environment Management Cell (EMC) with one subject expert in environment management is constituted. Meetings has been conducted periodically and details of Environment Management Cell (EMC) is attached as annexure 3.
S-22	Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.	Scrupulously follows the Directions contained.
S-23	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.	Blasting mats are used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
S-24	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	as per the directions of SEIAA Kerala based on inputs from the Department of Mining & Geology, only NONEL (Non-Electrical) blasting technology is being adopted to minimize ground vibrations and associated impacts.

	ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.	
S-25	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 indicated cost for implementation of CER activities shall be 2% of the project cost.	CER activities will be carried out, and detailed information regarding the same will be submitted along with the next compliance report.
S-26	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.	Re grassing of the mining area will be carried out as per approved progressive quarry closure plan.
S-27	The Project Proponent is directed to install a CCTV camera and take all other essential measures to ensure that mining site is not used by antisocial elements for	The Project Proponent will install CCTV cameras across the project area

	nefarious antisocial activities which are detrimental for peaceful coexistence in the project region. In case if such complaints are received, the EC given is likely to be cancelled after a police verification.	
S-28	Progressive closure of mined area shall be carried out as per the approved mining plan and closure activities carried out shall be mentioned in the HYCR for the relevant period.	Progressive closure of mined out area will be carried out as per the approved mining plan and closure activities will be discussed during the period of final quarry closure plan preparation
S-29	In the beginning of the last year of the EC period, the final closure plan has to be submitted and approved by the District Geologist within 6 months.	The Project Proponent shall submit the final Mine Closure Plan in the beginning of the last year of the EC period and obtain approval from the District Geologist within six months.
S-30	The final closure of the quarry shall be carried out during the last 6 months of mining period and a closure certificate shall be produced to the Authority. No ECs shall be given to Project Proponent for the subsequent mining projects unless the final mine closure certificate issued by the District Geologist is produced for the previous projects, if any.	The final closure of the quarry shall be carried out during the last six months of the mining period and the closure certificate from the District Geologist shall be submitted to the Authority.
S-31	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.	The Project Proponent is aware of the conditions stipulated and will closely monitor operations to prevent any violation of the Environmental Clearance.

STANDARD EC CONDITIONS FOR MINING OF MINERALS


ITEMNO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
1	Air Quality Monitoring And Preservation	
1.1	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Vehicular emissions are kept under control and regularly monitored, and only vehicles possessing valid PUC certificates from authorized pollution testing centres are permitted to operate.
1.2	Applicable labour laws for mining shall be followed. Proper masks and onsite facilities shall be provided to the workers. All safety measures shall be followed while cutting laterite using machines.	All applicable labour laws for mining are being followed, and workers are provided with proper masks, onsite facilities, and all necessary safety measures during laterite cutting operations.
1.3	The Project Proponent shall monitor the air quality during operation and submit ambient air quality monitoring details along with the HYCRs.	Ambient air quality monitoring details is attached as annexure 10
1.4	Major approach roads shall be black topped and properly maintained .The transportation of the material should be done in covered trucks to contain dust emissions.	Major approach roads are properly maintained .The transportation of the material are be done in covered trucks to contain dust emissions
		

Figure 4: Photograph of trucks

1.5	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 PM10 and PM2.5. 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 or State Pollution Control Board.	Regular water sprinkling shall be carrying out to prevent dust emission Ambient air quality report is attached as annexure. 10
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Figure 5: Water spraying on trucks to control dust emissions during transportation.

1.6	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 being controlled through regular water spraying at the project site, parking areas, haul roads, and at loading, unloading, and transport points, with proper maintenance of the arrangements.
1.7	Project Proponent should install wind breaker/shield arrangement	Scrupulously follows the directions contained.

	along the boundary where there are houses within 100m radius.	
1.8	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continues AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.	Scrupulously follows the directions contained.
2	WATER QUALITY MONITORING AND PRESERVATION	
2.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974, and other applicable standards as amended from time to time by the Central Pollution Control Board or State Pollution Control Board.	Scrupulously follows the directions contained.
2.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Scrupulously follows the directions contained.
2.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining	Scrupulously follows the directions contained. Ground water monitoring details are attached as annexure 10.

	operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/IRO.	
2.4	Water quality monitoring of upstream and downstream portion of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Water quality monitoring of upstream and downstream river including ponds, lakes, tanks shall be carried out and is attached as annexure. 10
2.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	An abandoned pit near the project site is being utilized as the source of water for dust suppression in quarrying activities, while groundwater is used only for drinking purposes and no groundwater is being wasted during operations.
2.6	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.	The quarrying operations shall not alter major water channels around the site. There is no river/nallah flowing near or adjacent to the mine.
2.7	Catch drains and siltation ponds of appropriate size shall be constructed	As the quarry is at the initial stage of development, Catch drains and

	<p>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.</p>	<p>siltation shall be constructed to prevent run off of water and flow of sediments. There is no river flowing adjacent to the project site.</p>
2.8	<p>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 or SPCB.</p>	<p>Scrupulously follows the directions contained.</p>
2.9	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>Scrupulously follows the directions Contained.</p>
2.10	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.</p>	<p>Scrupulously follows the directions contained</p>
2.11	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc.,</p>	<p>Scrupulously follows the directions contained</p>

	with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.	
2.12	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and taps, if there is any shortage of potable water due to the mining activity.	Scrupulously follows the directions Contained.
2.13	The project proponent shall take all precautionary measures to ensure the riverine/ riparian ecosystem in and around the mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation/water resource department in the state government.	Scrupulously follows the directions Contained.
3	Noise And Vibration Monitoring And Prevention	
3.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal	Adequate measures has taken for control of noise levels. Adequate awareness programme for users is conducting periodically. Progress in usage of such accessories is monitored.

	protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	
3.2	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 15 kmph to prevent undue noise from empty trucks.	The speed of trucks entering or leaving the mine site shall be restricted to a moderate limit of 15 kmph to minimize noise generated, particularly from empty trucks..
3.3	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.	Scrupulously follows the directions Contained.
3.4	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.	Scrupulously follows the directions Contained.
3.5	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	The noise level monitoring report is attached as annexure 10.
4	MINING PLAN	
4.1	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan), suggestions from SEAC, KMMC Rules 2015 and amendments thereby and all other statutory rules and orders.	Mining operations are carrying out strictly in accordance with the approved Mining Plan (including the Mine Closure Plan), the recommendations of SEAC, the Kerala Minor Mineral Concession Rules, 2015 and its amendments, and all other applicable statutory rules and orders.

4.2	The 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 mining activity should not involve blasting.	NONEL technique as used for blasting. Certificate of licensed person is attached as annexure 6.
4.3	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Scrupulously follows the directions Contained.
4.4	The quarrying operation shall be restricted between 7 AM and 5PM.	quarrying operation has been restricted between 7 AM and 5PM



Figure 6: Photograph showing time of blasting

4.5	Maximum depth of mining shall be as per the mining plan and / or as per specific direction of SEAC. The	The maximum depth of mining is as per the mining plan and is not deeper than the local ground water table.
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	maximum depth of mining should not be deeper than the local ground water table.	
4.6	No mining operations should be carried out at places having a slope greater than 45°.	Aware of the directions. No area is having a slope greater than 45°.
4.7	As per regulation no. 106(2) of Metalliferous Mines Regulation under Mine Act, the height of any bench shall not exceed five meters and breadth shall not be less than the height.	Bench height shall be maintained not exceeding five meters, and the width shall be kept not less than the height.
4.8	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 soil shall be used for backfilling as per mine closure plan.	The top soil and over burden generated during the mining operations is stacked at earmarked dump site only.



Figure 7: Photograph showing topsoil/OB dump

4.9	All the mining equipment 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.	equipment regularly & maintained for their efficient functioning and for reducing pollution.
4.10	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.	Scrupulously follows the directions Contained.
4.11	The lease area shall be fenced with barbed wire to a minimum height of	The lease area is fenced with barbed wires.

4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.



Figure 8: Photograph of the barbed wires

4.12

Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Blasting mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.

Explosives are stored in magazines in isolated Blasting mats are used to reduce fly rock .



Figure 9: Photograph of magazine stored

4.13	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 is done at specific timings
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Figure 10: Photograph showing blasting time along with the provision of warning alarms prior to blasting operations

4.14	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.	Scrupulously follows the directions Contained.
4.15	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.	This will be discussed during the preparation of the final quarry closure plan and will be implemented at the end of mining
4.16	Mine has to be closed as per progressive mine closure plan and final mine closure plan.	The final mine closure plan will be prepared and the site will be closed accordingly upon the expiry of the quarrying permit.

5	LAND RECLAMATION	
5.1	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material	Regular monitoring of subsidence is being carried out, and any excessive movement is mitigated promptly with appropriate measures, including plugging of cracks using suitable materials.
5.2	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO)	Scrupulously follows the directions Contained.
5.3	Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.	Scrupulously follows the directions Contained.
5.4	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	After mining, the land will be improved so it can be used for agriculture or forestry.

5.5	The project 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.	The proponent is willing to plant planting saplings around the project area. After mining closure, the site will be reclaimed and developed into a beautiful natural plantation area with a rainwater harvesting pit at the centre of the plot.
5.6	The project proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants	The project proponent will retain and maintain the existing vegetation in the buffer zone and will further strengthen it by planting additional native broad-leaved species.
5.7	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	Scrupulously follows the directions Contained.
5.8	Native tree species shall be selected and planted over areas of greenbelt and compensatory afforestation affected by subsidence.	The proponent has already established a green belt and carried out compensatory afforestation in the designated areas.
5.9	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	The project proponent will undertake eco-restoration after final mine closure at their own cost, with the specified cost already indicated in the approved mining plan. Overburden materials will be managed on-site and used to reclaim the mined pit in accordance with the mine closure plan and applicable conditions.

	managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.	
5.10	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.	After mining closure, the site will be reclaimed and developed into a beautiful natural plantation area with a rainwater harvesting pit at the centre of the plot.
6	PUBLIC HEARING AND HUMAN HEALTH ISSUES	
6.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Scrupulously follows the directions Contained.
6.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Scrupulously follows the directions Contained.
6.3	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.	Scrupulously follows the directions Contained.

6.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines	Scrupulously follows the directions Contained.
6.5	Safeguards shall be adopted against health risks on account of breeding of vectors in the waterbodies created due to burrowing/excavation of laterite building stone.	Scrupulously follows the directions Contained.
6.6	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	Arrangement had made to provide and maintain to the directions a sufficient supply of drinking water for all the persons employed.
6.7	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing.	There is no public hearing in this project.
6.8	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z 11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area', if applicable.	Scrupulously follows the directions Contained.
6.9	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to	The project proponent must ensure that night-time lights and noise do not disturb nearby villages, by directing floodlights away from homes and keeping noise within prescribed limits.

	<p>mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.</p>	
7	CORPORATE ENVIRONMENT RESPONSIBILITY	
7.1	<p>The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / Violation of the environmental /forest/wildlife norms / conditions. The company shall have defined system of reporting infringements /deviation/ violation of the environmental/forest/wildlife norms /conditions and /or shareholders / stake holders.</p>	<p>Scrupulously follows the directions Contained.</p>
7.2	<p>The Project Proponent shall implement the EMP and environmental conditions along with CER from the comments of activity. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office/SEIAA along with the Six Monthly Compliance Report.</p>	<p>Scrupulously follows the directions Contained.</p>

7.3	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to environmental stability of the project region. 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 have already commenced, and the beneficiary letter is attached here with. (Copy of CER is attached as annexure 4).
7.4	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Scrupulously follows the directions Contained.
7.5	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	Scrupulously follows the directions Contained.
8	Miscellaneous	
8.1	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.	Notarized affidavit is attached as annexure 2
8.2	The project authorities shall inform to the Regional Office of the MoEFCC/SEIAA regarding commencement of activity.	Scrupulously follows the directions Contained.
8.3	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC) or SEIAA, Kerala.	Scrupulously follows the directions Contained.
8.4	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	Scrupulously follows the directions Contained.

	<p>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.</p>	
8.5	<p>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.</p>	<p>All the statutory clearances is obtained and is attached with HYCR.</p>
8.6	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which, one shall be in the vernacular language within seven days, and in addition, the EC shall also be displayed on the project proponent's website permanently.</p>	<p>The project proponent advertising it at least in two local newspapers of the of which, one in malayalam and another one in english. The news paper advertisement is attached as annexure 9.</p>
8.7	<p>The project 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.</p>	<p>Scrupulously follows the directions Contained.</p>

8.8	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 details of Environmental Clearance is in a metallic board as directed.
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Figure 11 ;Photograph of details of EC displayed

8.9	The project proponent must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	The project proponent is obeying stipulations made by the State Pollution Control Board and the State Government.
8.10	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, if any, commitment made during Public Hearing, if any and also during their	Not applicable, as no public hearing was conducted in this case.

	presentation to the State Expert Appraisal Committee.	
8.11	The project proponent shall upload the status of compliance with the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis. The HYCRs shall be uploaded in the PARIVESH Portal to IRO MoEF&CC, Bangalore & SEIAA, Kerala.	Scrupulously follows the directions Contained.
8.12	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the PARIVESH portal.	Scrupulously follows the directions Contained.
8.13	The project proponent shall submit the environmental statement for each financial year in Form V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Scrupulously follows the directions Contained.
8.14	The Regional Office of the MoEFCC and the SPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office / SPCB or any other officers delegated by the SEIAA, by furnishing the requisite data / information/monitoring reports.	Scrupulously follows the directions Contained.
8.15	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.	No government land is included in this project.

8.16	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 project proponent.	Aware of the conditions mentioned
8.17	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.	Scrupulously follows the directions Contained.
8.18	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Scrupulously follows the directions Contained.
8.19	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Aware of the conditions mentioned
8.20	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.	Aware of the conditions mentioned
8.21	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.	Aware of the conditions mentioned

8.22	The SEIAA, Kerala reserves the right to stipulate additional conditions if found necessary. The Project Proponent in a time-bound manner shall implement these conditions.	Aware of the conditions mentioned
8.23	The SEIAA, Kerala reserves the right to revoke or suspend the Environmental Clearance, if implementation of any of the above conditions is not satisfactory.	Aware of the conditions mentioned
8.24	The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.	Aware of the conditions mentioned
8.25	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.	Aware of the conditions mentioned
9	STATUTORY COMPLIANCE	
9.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.	Scrupulously follows the directions contained.
9.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable in this case
9.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable in this case

9.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	Not applicable in this case
9.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee. A copy of the same shall be included with HYCRs.	The project proponent has obtained Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee. (Pollution Control Board is attached as Annexure 8)
9.6	The project proponent shall obtain the necessary permission from the Central / State Ground Water Authority, if the project intersects ground water table.	Not applicable in this case because the project is not intersecting with ground water table at any point
9.7	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	Scrupulously follows the directions contained. (Explosive license is attached as Annexure 5).
9.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.	Scrupulously follows the directions contained.

9.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the approved mining plan/scheme of mining.	Scrupulously follows the directions contained.
9.10	Project Proponent should obtain all necessary statutory clearances for mining.	All necessary statutory clearances for mining has been obtained.
9.11	If EC period is more than 6 months, Half Yearly Compliance Report (HYCR) shall be uploaded in the PARIVESH Portal and also submitted to SEIAA, Kerala via email.	Half Yearly Compliance Report (HYCR) will be prepared in every six months and will submit to SEIAA, Kerala via email and will be uploaded in the PARIVESH Portal also.
9.12	The minimum distance norm from the boundary/periphery of other properties buildings/civil structures as prescribed in KMMC Rules and other statutory rules and orders shall be followed.	The Conditions are followed.



File No: 217/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority (SEIAA),
KERALA)



Dated 12/03/2025



To,

Sri. Greego Kurian

--

Vadakkan House, Kumarapuram post, Ernakulam, Kerala - 683565

mailme.greegokurian@gmail.com

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006 regarding in respect of Granite Building Stone Quarry Project of Sri. Greego Kurian submitted to the SEIAA, Kerala vide proposal number SIA/KL/MIN/490152/2024 dated 02/09/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0108KL5819308N
(ii) File No.	217/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Granite Building Stone Quarry of Sri. Greego Kurian
(viii) Name of Company/Organization	--
(ix) Location of Project (District, State)	Kollam, Kerala
(x) Issuing Authority	SEIAA, Kerala
(xii) Applicability of General Conditions	yes
(xiii) Applicability of Specific Conditions	yes

3. In view of the particulars given in Para above, the project proposal interalia including Form-1 (Part A and B) submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority (SEIAA), Kerala under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by the State Expert Appraisal Committee (SEAC) in its 175th

meeting held on 9th, 10th & 11th December 2024 and the State Environment Impact Assessment Authority (SEIAA) in its 152nd meeting held on 30th - 31st January & 1st February, 2025. The minutes of the meeting and all the application and documents submitted [(viz. Form-1 Part A, Part B, Mining Plan, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.

5. The brief about project details, the Environmental Management Plan and Corporate Environment Responsibility (CER) to be implemented or followed are annexed to this EC.
6. The SEAC, in its 175th meeting, based on information & clarifications provided by the project proponent deliberated the proposal in detail, and recommended for grant of EC for the project life of 3 (Three) Years, subject to stipulation of specific and general conditions as detailed in Annexure (1).
7. The SEIAA examined the proposal in its 152nd meeting in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Expert Appraisal Committee decided to grant EC for instant proposal of Sri. Greego Kurian under the provisions of EIA Notification, 2006 and as amended thereof.
8. **Environmental Clearance is hereby accorded to Sri. Greego Kurian, Vadakkan House, Kumarapuram post, Ernakulam, for the Granite Building Stone Quarry project for an area of 0.9270 Ha at R-Block No. 26, Re-survey nos. 149/8-2, 149/7-2, 149/6-2 & 149/5-2 of Valakom Village, Kottarakkara Taluk, Kollam District for the project life of 3 (Three) years from the date of issuance of mine permit, for the quantity reassessed by the mining and Geology Department by restricting the depth to 115m AMSL to avoid the formation of pit and to avoid water stagnation on the slope.**
9. The Mining and Geology Department shall issue permit / lease only after (1) the production of an undertaking to the effect that the building located at a distance of 22m either shall be demolished or will be used only for office purpose and (2) NOC from the Irrigation Officer of Irrigation Department as clarified in the circular dated 19.11.2024 of the Chief Engineer, Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04.2024.
10. The Environmental Clearance issued will also be subject to full and effective implementation of all the undertakings given in the Application Form, mitigation measures as assured in the Environment Management Plan, and mining features including the Progressive Mine Closure Plan as submitted with the application. The above undertakings and the conditions and the undertakings of the Mining Plan in (Mining), (Blasting), (Mines Drainage), (Stacking of mineral rejects and disposal of waste), (Environment Management Plan) & (Progressive Mine Closure Plan) as submitted will be deemed to be part of this Proceedings as conditions, as if incorporated herein. Also the General Conditions for projects stipulated for mining, mentioned below will be applicable and have to be strictly adhered to.
11. Validity of the Environmental Clearance will be for **3 (Three) Years**, subject to the earlier review by SEAC in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry.
12. Violation of any of the Specific & General Conditions, as applicable to the particular case will entail cancellation of the Environmental Clearance, in addition to legal action under the provisions of the Environment (Protection) Act, 1986. Non-compliance, if any shall be reported to the District Collector, Kollam or SEIAA, Kerala.
13. The Ministry / SEIAA reserves the right to modify and/or stipulate additional conditions, if found necessary.
14. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
15. This issues with the approval of the Competent Authority.

Copy To

MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: ros.z.bng-moefcc@gov.in)

The Secretary, Environment Department, Government of Kerala
The Member Secretary, Kerala State Pollution Control Board, Thiruvananthapuram
The District Collector, Kollam
The Director, Mining & Geology, Thiruvananthapuram
The District Geologist, Kollam
The Environmental Engineer, KSPCB, Kollam
The Tahsildhar, Kottarakkara Taluk, Kollam
The Secretary, Ummanoor Grama Panchayath, Kollam
Website

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Site Specific Conditions

S. No	EC Conditions
1.1	The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.
1.2	The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit / lease order should be provided to the SEIAA before commencing the mining activity.
1.3	The Mining and Geology Department shall issue permit / lease only after (1) the production of an undertaking to the effect that the building located at a distance of 22m either shall be demolished or will be used only for office purpose and (2) NOC from the Irrigation Officer of Irrigation Department as clarified in the circular dated 19.11.2024 of the Chief Engineer, Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04.2024. The project proponent shall scrupulously follow all the conditions in the NOC and the copy of the same shall be submitted to SEIAA along with the 1st HYCR.
1.4	The depth of mining should be limited to 115m AMSL to avoid the formation of pit and to avoid water stagnation on the slope and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.
1.5	A buffer of 50m should be maintained from the project boundary to the nearest built structure.
1.6	Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Wrigthia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.
1.7	Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees as proposed.

S. No	EC Conditions
1.8	Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
1.9	Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
1.10	The haulage road should be provided with sprinkling facility to prevent dust pollution.
1.11	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.
1.12	Garland drain, silt-traps, siltation ponds and outflow channels should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
1.13	Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.
1.14	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.
1.15	Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.
1.16	The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
1.17	Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
1.18	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 5.00 pm).
1.19	Adequate sanitation, waste management and restroom facilities should be provided to the workers.
1.20	Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.
1.21	The 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.
1.22	Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
1.23	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.

S. No	EC Conditions
1.24	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 the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
1.25	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 indicated cost for implementation of CER activities shall be 2% of the project cost.
1.26	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.
1.27	The Project Proponent is directed to install a CCTV camera and take all other essential measures to ensure that mining site is not used by antisocial elements for nefarious antisocial activities which are detrimental for peaceful coexistence in the project region. In case if such complaints are received, the EC given is likely to be cancelled after a police verification.
1.28	Progressive closure of mined area shall be carried out as per the approved mining plan and closure activities carried out shall be mentioned in the HYCR for the relevant period.
1.29	In the beginning of the last year of the EC period, the final closure plan has to be submitted and approved by the District Geologist within 6 months.
1.30	The final closure of the quarry shall be carried out during the last 6 months of mining period and a closure certificate shall be produced to the Authority. No ECs shall be given to Project Proponent for the subsequent mining projects unless the final mine closure certificate issued by the District Geologist is produced for the previous projects, if any.
1.31	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986

Standard EC Conditions for (Mining of minerals)

1. Air Quality Monitoring And Preservation

S. No	EC Conditions
1.1	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the

S. No	EC Conditions
	authorized pollution testing centres.
1.2	Applicable labour laws for mining shall be followed. Proper masks and onsite facilities shall be provided to the workers. All safety measures shall be followed while cutting laterite using machines.
1.3	The Project Proponent shall monitor the air quality during operation and submit ambient air quality monitoring details along with the HYCRs.
1.4	Major approach roads shall be black topped and properly maintained .The transportation of the material should be done in covered trucks to contain dust emissions.
1.5	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 PM10 and PM2.5. 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 or State Pollution Control Board
1.6	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.
1.7	Project Proponent should Install Wind breaker/shield arrangement along the boundary where there are houses within 100m radius.
1.8	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continues AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

2. Water Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974, and other applicable standards as amended from time to time by the Central Pollution Control Board or State Pollution Control Board.
2.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
2.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored

S. No	EC Conditions
	once a year, and the data thus collected shall be sent regularly to MOEFCC/IRO.
2.4	Water quality monitoring of upstream and downstream portion of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
2.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
2.6	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
2.7	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.
2.8	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 or SPCB.
2.9	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
2.10	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
2.11	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
2.12	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and taps, if there is any shortage of potable water due to the mining activity.
2.13	The project proponent shall take all precautionary measures to ensure the riverine/ riparian ecosystem in and around the mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the

S. No	EC Conditions
	irrigation/water resource department in the state government.

3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
3.2	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 15 kmph to prevent undue noise from empty trucks.
3.3	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.
3.4	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.
3.5	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

4. Mining Plan

S. No	EC Conditions
4.1	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan), suggestions from SEAC, KMMC Rules 2015 and amendments thereby and all other statutory rules and orders.
4.2	The 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 mining activity should not involve blasting.
4.3	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
4.4	The quarrying operation shall be restricted between 7 AM and 5PM.
4.5	Maximum depth of mining shall be as per the mining plan and / or as per specific direction of SEAC. The maximum depth of mining should not be deeper than the local ground water table.
4.6	No mining operations should be carried out at places having a slope greater than 45°.

S. No	EC Conditions
4.7	As per regulation no. 106(2) of Metalliferous Mines Regulation under Mine Act, the height of any bench shall not exceed five meters and breadth shall not be less than the height.
4.8	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 soil shall be used for backfilling as per mine closure plan.
4.9	All the mining equipment 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.
4.10	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.
4.11	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.
4.12	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Blasting mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.
4.13	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.
4.14	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.
4.15	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.
4.16	Mine has to be closed as per progressive mine closure plan and final mine closure plan.

5. Land Reclamation

S. No	EC Conditions
5.1	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of

S. No	EC Conditions
	subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
5.2	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
5.3	Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.
5.4	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
5.5	The project 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.
5.6	The project proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants.
5.7	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
5.8	Native tree species shall be selected and planted over areas of greenbelt and compensatory afforestation affected by subsidence.
5.9	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.
5.10	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.

6. Public Hearing And Human Health Issues

S. No	EC Conditions
6.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.

S. No	EC Conditions
6.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
6.3	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.
6.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
6.5	Safeguards shall be adopted against health risks on account of breeding of vectors in the waterbodies created due to burrowing/excavation of laterite building stone.
6.6	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
6.7	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing.
6.8	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'., if applicable
6.9	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.

7. Corporate Environment Responsibility

S. No	EC Conditions
7.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/ stake holders.
7.2	The Project Proponent shall implement the EMP and environmental conditions along with CER from the comments of activity. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise

S. No	EC Conditions
	progress of implementation of action plan shall be reported to the Ministry/Regional Office/SEIAA along with the Six Monthly Compliance Report
7.3	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to environmental stability of the project region. 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.
7.4	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
7.5	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.

8. Miscellaneous

S. No	EC Conditions
8.1	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.
8.2	The project authorities shall inform to the Regional Office of the MoEFCC/SEIAA regarding commencement of activity.
8.3	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC) or SEIAA, Kerala.
8.4	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.
8.5	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.
8.6	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which, one shall be in the vernacular language within seven days, and in addition, the EC shall also be displayed on the project proponent's website permanently.
8.7	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.
8.8	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft

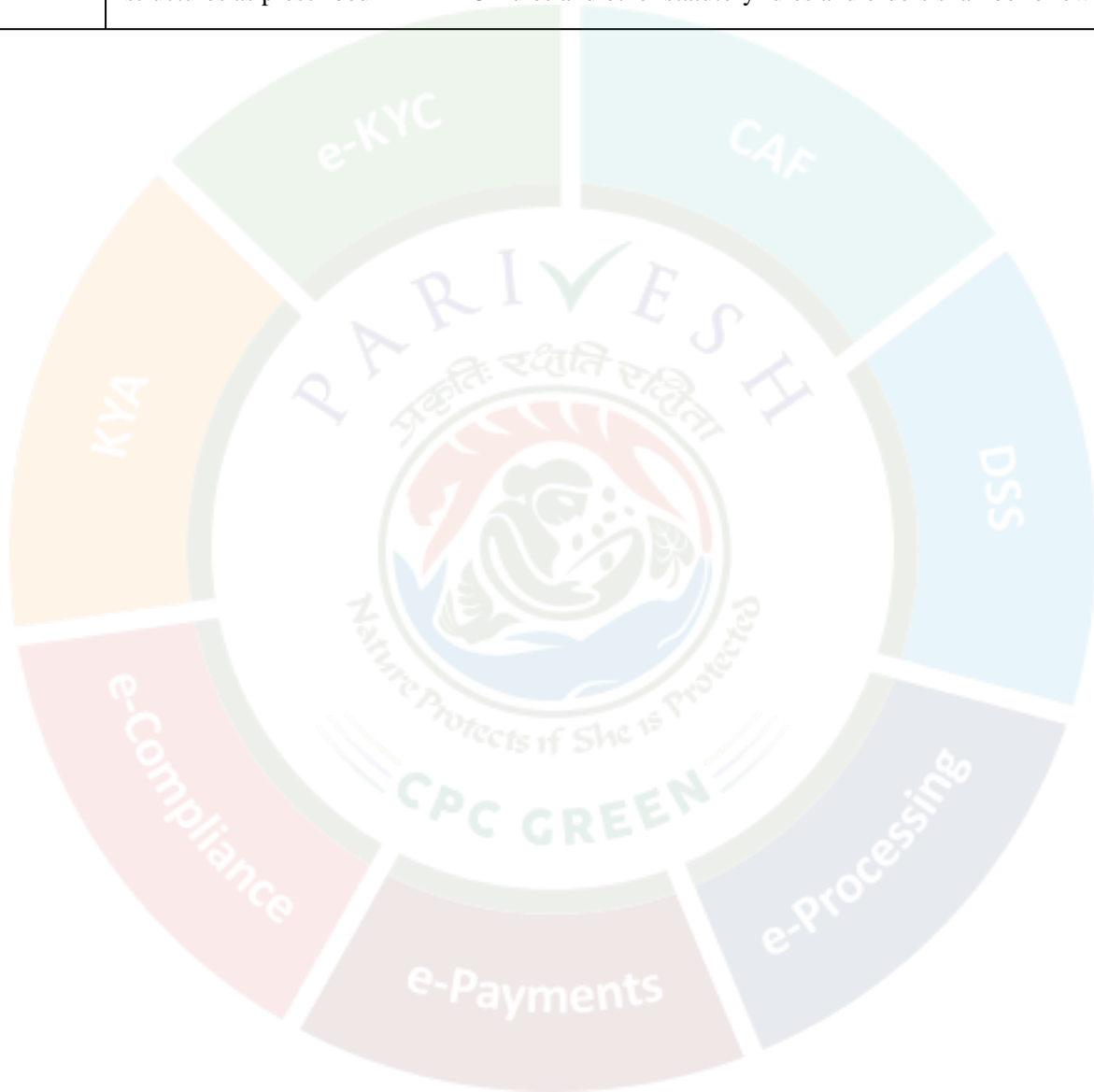
S. No	EC Conditions
	x 3 ft with green background and yellow letters of Times New Roman font size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.
8.9	The project proponent must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8.10	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, if any, commitment made during Public Hearing, if any and also during their presentation to the State Expert Appraisal Committee.
8.11	The project proponent shall upload the status of compliance with the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis. The HYCRs shall be uploaded in the PARIVESH Portal to IRO MoEF&CC, Bangalore & SEIAA, Kerala.
8.12	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the PARIVESH portal.
8.13	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.14	The Regional Office of the MoEFCC and the SPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office / SPCB or any other officers delegated by the SEIAA, by furnishing the requisite data / information/monitoring reports.
8.15	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.
8.16	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 project proponent.
8.17	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.
8.18	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
8.19	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
8.20	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.

S. No	EC Conditions
8.21	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.
8.22	The SEIAA, Kerala reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
8.23	The SEIAA, Kerala may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
8.24	The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.
8.25	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.

9. Statutory Compliance

S. No	EC Conditions
9.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.
9.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
9.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
9.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
9.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee. A copy of the same shall be included with HYCRs.
9.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, if the project intersects ground water table.
9.7	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
9.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
9.9	The maximum production or peak production at any given time shall not exceed the limit as

S. No	EC Conditions
	prescribed in the approved mining plan/scheme of mining.
9.10	Project Proponent should obtain all necessary statutory clearances for mining.
9.11	If EC period is more than 6 months, Half Yearly Compliance Report (HYCR) shall be uploaded in the PARIVESH Portal and also submitted to SEIAA via email.
9.12	The minimum distance norm from the boundary/periphery of other properties buildings/civil structures as prescribed in KMMC Rules and other statutory rules and orders shall be followed.



I. Project Details

Sl. No.	Particulars	Details
1	Name & Address of the Project Proponent	Sri. Greego Kurian Vadakkan House Kumarapuram Post, Ernakulam- 683565
2	Block No.	26
3	Re- Sy. Nos.	149/8-2, 149/7-2, 149/6-2 & 149/5-2
4	Village	Valakom
5	Taluk	Kottarakkara
6	District	Kollam
7	Extent (in Hectare)	0.9270
8	Project Cost	Rs. 1,17,00,000
9	Mineable Reserve	The Mining and Geology Department should reassess the mineable quantity by restricting the mine depth to 115m AMSL to avoid the formation of pit and to avoid water stagnation on the slope.
10	Validity of EC	For 3 (Three) years

II. EMP Details

Details	Capital Cost (Rs)	Recurring Cost (Rs)
Air pollution Control: Water Sprinkler	3,00,000	30,000
Water Pollution Control : Garland drains, Silt traps	5,00,000	50,000
Greenbelt development including cost of afforestation : Saplings, Plant Guard including cost of landscaping)	3,00,000	50,000
Domestic effluent management : Dumping yard retaining wall	4,00,000	50,000
Occupational Health and Safety : Helmet, Mask, Hand Gloves, Mining Safety Shoe	1,00,000	-
Reclamation/Rehabilitation of Mined out area	3,00,000	50,000
Total	19,00,000	2,30,000*2= 4,60,000
Grand Total	23,60,000	

III. CER Details

Activity	Capital Amount (Rs)
Installation of Mini/Low Mast Light Ummannoor Grama Panchayath	7,00,000

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NON JUDICIAL

₹ 100

₹ 100

കേരള സർക്കാർ
GOVERNMENT OF KERALA
e-Stamp

e-Stamp Serial Number : 202627000000452882

Verification Code : 116641645V

Govt. Reference No.(GRN)	: KL003567085202627E
Purpose	: Affidavit
Amount of Stamp Paper Purchased in Numeral	: ₹ 100
Amount of Stamp Paper Purchased in Words	: Rupees One Hundred
Stamp Paper Purchased on	: 23/04/2026 16:46:24
First Party Name	: Greego kuryan
First Party Address	: Vadakkan House Kumarapuram P O
Second Party Name	: Chairman
Second Party Address	: SEIAA Kerala
Vendor Code & Name	: 04072329 - K Govindapillai
Treasury Code & Name	: 0407 - Sub TreasuryAnchal

[Signature]
ANCHAL VENDOR
K. GOVINDA PILLAI

Please write or type below this line

I Greego Kurian, Vadakkan House, Kumarapuram PO, Pallikkara Pin-683565, Kunnathunadu village, Kunnathunadu Taluk, Eranakulam District do hereby solemnly affirm & confirm as follows:-

1. That I have Proposed a Granite Buiding stone quarry which in situated at Block No.26, Sy No.149/5-2, 149/6-2, 149/7-2, 149/8-2, 0.9270 hecter in Kollam district Kottarakkara Taluk valakom Village, Kerala state,



[Signature]
SOMAN PILLAI K. BALLB
Advocate & Notary
Roll No. K/561/2000
Kottarakkara, Kollam Dist.
Kerala State, India-691 506
E-mail: vayakkalsomanbjp@gmail.com
Mob: +91- 9847102212

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

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

2. That I will Constitute an Environmental Monitoring cell for our project.
3. That I will provide the systems to minimize dust enissions.
4. That I will provide adequate safety measures for the Construction workers during the Construction phase.
5. That I will Provide green belt species shall be Planted in the Execavated pit for eco restoration

Greego Kurian
Greego Kurian



Solemnly affirmed and signed before me
by the deponent on this the 25th
day of April 2026
at my office at Kottarakkara.

Soman Pillai
SOMAN PILLAI K. B.A.L.L.B
Advocate & Notary
Roll No. K/561/2000
Kottarakkara, Kollam Dist.
Kerala State, India-691 506
E-mail: vayakkalsomanbjp@gmail.com
Mob: +91- 9847102212

NOTARIAL REGISTER PARTICULARS
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Sl. No. 78 Date 25/04/2026

ENVIRONMENT MONITORING CELL

An environmental monitoring cell was formed with Mr. Greego Kurian head of the monitoring cell and made functional. Meeting of monitoring cell is arranged monthly and discuss the status of the compliance of the specific and general conditions contained in the Environmental clearance order. The details of the monitoring cell members are given below:

Sl. No.	Post	Name
1	Head of the monitoring cell	Mr. Greego Kurian
2	Head in charge (Environment)	Mr. Eldo Kurian.
3	Senior Environmental Officer	Mr. Vinayan P
4	Environmental Officer	Mr. Mahesh s
5	Name of the environmental officer in charge	Mr. Mahesh s
6	Name of the officer Environment, Health and safety	Mr. Rajeev. T
8	Name of the environment laboratory	ENVIRO DESIGNS ECO LABS PVT Ltd.
9	Address of Environmental laboratory	Janatha Junction, Palarivattom, Kochi- 682 025

ഭരണഭാഷ - മാതൃഭാഷ



നമ്പർ.400284/DGPM06/GPO/2024/303/(1)

ഉമ്മന്നൂർ ഗ്രാമ പഞ്ചായത്ത്
ആഫീസ്
ഉമ്മന്നൂർ
ഉമ്മന്നൂർ.പി.കാ
കൊല്ലം

Phone No:04742492026

E-mai:ummannoorgp@gmail.com

തീയതി : 12/07/2024

പ്രേഷകൻ
സെക്രട്ടറി

സ്വീകർത്താവ്

ശ്രീഗോ കൂര്യൻ
വടക്കൻ ഹൗസ്, പള്ളിക്കര, എറണാകുളം

സർ,

വിഷയം:- സി.ഇ.ആർ ഫണ്ട് ഉപയോഗിക്കുന്നത് - സംബന്ധിച്ച്

സൂചന:- താങ്കളുടെ 17/01/2024 തീയതിയിലെ കത്ത്.

ഉമ്മന്നൂർ ഗ്രാമപഞ്ചായത്തിൽ വാളകം വില്ലേജിലെ ബ്ലോക്ക് നമ്പർ 26 റീസർവ്വേ നമ്പർ 149/8-2, 14977-2, 149/6-2, 149/5-2 പ്രകാരമുള്ള പുരയിടത്തിൽ നിന്നും നിയമാനുസൃത അനുമതികളോട് കൂടി പാറ ഖനനം നടത്തുന്നതിനായുള്ള താങ്കളുടെ പ്രോജക്ടിന്റെ സി.ഇ.ആർ ഫണ്ടായ 6,60,000 രൂപ പഞ്ചായത്ത് കമ്മിറ്റി തീരുമാനത്തിന് വിധേയമായി ഉപയോഗിക്കുന്നതിന് പഞ്ചായത്തിന് എതിർപ്പില്ലായെന്ന് അറിയിക്കുന്നു. സി ഇ ആർ ഫണ്ട് ആയ തുക 6,60,000 ചുവടെ ചേർക്കുന്നു

2.001	Provision for GST		
	5247493.33	18.00%	94948.80
	Grand Total		659942.13
	Round off		57.87
	Rounded Total (Rs)		660000.00
Rupees Six Lakh Sixty Thousand			



നമ്പർ.400284/DGPM06/GPO/2024/303/11

ഉമ്മന്നൂർ ഗ്രാമ പഞ്ചായത്ത്
ആഫീസ്
ഉമ്മന്നൂർ
ഉമ്മന്നൂർ.പി.ഒ
കൊല്ലം

Phone No:04742492026

E-mail:ummannoorgp@gmail.com

തീയതി : 20/07/2024

പ്രേഷകൻ
സെക്രട്ടറി

സ്വീകർത്താവ്

ശ്രീശോ കുര്യൻ
വടക്കൻ ഹൗസ്, പള്ളിക്കര, എറണാകുളം

സർ,

വിഷയം:- സി.ഇ.ആർ ഫണ്ട് ഉപയോഗിക്കുന്നത് - സംബന്ധിച്ച്

സൂചന :-1 താങ്കളുടെ 17/01/2024 തീയതിയിലെ കത്ത്.

2 ഉമ്മന്നൂർ ഗ്രാമപഞ്ചായത്ത് ഭരണ സമിതിയുടെ 12 07 2024 തീയതിയിലെ
17(1),17(2) നമ്പർ തീരുമാനങ്ങൾ

ഉമ്മന്നൂർ ഗ്രാമപഞ്ചായത്തിൽ വാളകം വില്ലേജിലെ ബ്ലോക്ക് നമ്പർ 26 റീസർവ്വേ നമ്പർ 149/8-2, 149/7-2, 149/6-2, 149/5-2 പ്രകാരമുള്ള പുരയിടത്തിൽ നിന്നും നിയമാനുസൃത അനുമതികളോട് കൂടി പാറ ചെനനം നടത്തുന്നതിനായുള്ള താങ്കളുടെ പ്രോജക്ടിന്റെ സി.ഇ.ആർ ഫണ്ടായ 6,60,000 രൂപ വാങ്ങുന്നതിനും ആയത് ഉപയോഗിച്ച് പഞ്ചായത്തിലെ തേവന്നൂർ പ്രദേശത്ത് മിനി/ലോ മാസ്റ്റ് ലൈറ്റുകൾ സ്ഥാപിക്കുന്നതിന് മേൽ സൂചന രണ്ട് കമ്മിറ്റി തീരുമാന പ്രകാരം അംഗീകരിച്ചിട്ടുള്ളതായി അറിയുന്നു.

സി ഇ ആർ ഫണ്ട് തുകയായ 6,60,000 രൂപയുടെ വിനിയോഗ വിവരം ചുവടെ ചേർക്കുന്നു.

1. Installation of Mini/Low Mast Light at Ummanoor GP under CER Fund		
	Five Mini/Low Mast Light	660000.00
	Total (Rs)	660000.00
	Rupees Six Lakh Sixty Thousand	



[Signature]
SECRETARY

Ummanoor Grama Panchayat
Kollam (Dist) - 691520, Kerala
Ph. 0474 2492026.



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
केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ पी.ओ.कक्कनाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SE/KL/22/135(E102635)

दिनांक (Date): 29/09/2025

सेवा में | To,

Greego Kurian,
Vadakkan House, Kumarapuram P.O., Town/Village - Kunnathunad
District-ERNAKULAM, State-Kerala, Pincode - 683565

विषय: Survey No.RSy.No.151/2-2, 151/2-3, 151/3, Block No.26, ग्राम Valakam Village, Kottarakkara Taluk, जिला KOLLAM, राज्य Kerala में मेसर्स Greego Kurian द्वारा विस्फोटक के भेगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SE/KL/22/135(E102635) के संशोधन संदर्भ में।
(अनुज्ञप्तिधारी के नाम / पता / स्थिति में परिवर्तन)
Subject: Possession for Use of Explosives from magazine situated at Survey No.:RSy.No.151/2-2, 151/2-3, 151/3, Block No.26, Valakam Village, Kottarakkara Taluk, Dist. KOLLAM, Kerala -Licence No.: E/SE/KL/22/135(E102635) granted in Form LE-3 of Explosives Rules, 2008 -
(Change in Licensee Name/Address/Status).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 25/09/2025 का संदर्भ ग्रहण करें।
Please refer to your letter no: Nil dated 25/09/2025.

अनुज्ञप्ति संख्या E/SE/KL/22/135(E102635) में अनुज्ञप्तिधारी के नाम / पता / स्थिति में परिवर्तन के संदर्भ में निम्नलिखित परिवर्तन प्रभावित किए गए हैं।
The following changes are effected in licence No.: E/SE/KL/22/135(E102635) with respect to the subject below. Change in Licensee Name/Address/Status.

विषयक अनुज्ञप्ति Greego Kurian से Greego Kurian के नाम स्थानांतरित की जा रही है।
The subject license is transferred from Greego Kurian to Greego Kurian.

लाइसेंस रिकार्ड के अनुसार प्राधिकृत अभिकर्ता / अटिषता के नाम निम्नानुसार है।
The names of the Authorized Signatory/Occupier in Licence records are noted below.

क्र. No	नाम Name
1)	Greego Kurian (Authorized Signatory)
2)	Greego Kurian (Occupier)

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	100	Kg.
2	Electric and/or Ordinary Detonators	6	3	0	1000	Nos.
3	Safety Fuse	6	1	0	1650	Mtrs

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

यह अनुज्ञप्ति दिनांक 31 मार्च 2030 तक प्रवृत्त रहेगी।
This Licence shall remain valid till 31st day of March 2030.

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 | Yours faithfully

(दीपक कुमार | Deepak Kumar)

विस्फोटक नियंत्रक | Controller of Explosives

कृते उप मुख्य विस्फोटक नियंत्रक | For Dy. Chief Controller of Explosives
कोच्ची | Ernakulam
कृते उप मुख्य विस्फोटक नियंत्रक
For Deputy Chief Controller of Explosives
एरणाकुलम/Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

- District Magistrate, KOLLAM, Kerala with reference to his Noe No: DCKLM/6554/2025-M7 Dated: 25/09/2025
- Superintendent of Police, KOLLAM, Kerala.

कृते उप मुख्य विस्फोटक नियंत्रक | For The Dy. Chief Controller of Explosives,
कोच्ची | Ernakulam

(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>)

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

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

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

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए
Licence to possess : (c) for use,explosives of class 1, 2,3,4,5,6 or 7 in a magazine



अनुज्ञप्ति सं. (Licence No.): E/SE/KL/22/135(E102635)

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

1. Licence is hereby granted to

Greego Kurian (अधिभोगी / Occupier : Greego Kurian), Vadakkan House, Kumarapuram P.O., Town/Village - Kunnathunad, District-ERNAKULAM, State-Kerala, Pincode - 683565

को अनुज्ञप्ति अनुदत्त की जाती है।

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

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमाम्य है।
Licence is valid only for the following purpose.

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

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

क्र. सं. (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	100 Kg.
2.	Electric and/or Ordinary Detonators	6, 3	0	1000 Nos.
3.	Safety Fuse	6, 1	0	1650 Mtrs

(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)] :

3 times
as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है।
The licensed premises shall conform to the following drawing(s) :

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/135(E102635)
दिनांक (Dated) 29/09/2025

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

Survey No. **RSy.No.151/2-2, 151/2-3, 151/3, Block No.26** ग्राम (Town/Village) : **Vajakam Village, Kottarakkara Taluk**
पुलिस थाना (Police Station) : **Kottarakkara**

जिला (District) **KOLLAM** राज्य (State) **Kerala** पिनकोड (Pincode) **691545**
दूरभाष (Phone) **9447374587** ई. मेल (E-Mail) **फैक्स (Fax)**

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities.

Two Portable magazines of B type and D type Fabricated by Everest Granites, 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

- उपपुस्तक 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
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

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

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिकमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंशुद्ध 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 - 14/06/2017

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

Transfers :

- Change in Licensee Name/Address/Status dated : 29/09/2025

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

**कृते उप मुख्य विस्फोटक नियंत्रक
For Deputy Chief Controller of Explosives
एरणाकुलम/Ernakulam**

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry

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

09/04/2025

31/03/2030

Sd/-
Dy. Chief Controller of Explosives, Ernakulam

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

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

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

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

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञप्ति
Licence to possess : (c) for use, explosives of class 1, 2,3,4,5,6 or 7 in a magazine

अनुज्ञप्ति सं. (Licence No.) : E/SE/KL/22/135(E102635)

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

1. Licence is hereby granted to

Greego Kurian (अधिभोगी / Occupier : Greego Kurian), Vadakkan House, Kumarapuram P.O., Town/Village - Kunnathunad, District-ERNAKULAM, State-Kerala, Pincode - 683565



को अनुज्ञप्ति अनुदत्त की जाती है।

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

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमानी है।

Licence is valid only for the following purpose.

possess for use of **Nitrate Mixture, Detonators, Safety Fuse**, - के उपयोग के लिए

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

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

क्र. 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	100 Kg.
2.	Detonators	6,3	0	1000 Nos.
3.	Safety Fuse	6,1	0	1650 Mtrs

(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)] :

5 times as above.

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

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

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/135(E102635)

दिनांक (Dated) 16/04/2026

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

Survey No. RSY.No.151/2-2, 151/2-3, 151/3, Block No.26, ग्राम (Town/Village) : **Valakam Village, Kottarakkara Taluk**

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

जिला (District) **KOLLAM** राज्य (State) **Kerala** पिनकोड (Pincode) **691545**
दूरभाष (Phone) **9447374587** ई. मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

Two Portable magazines of B type and D type Fabricated by Everest Granites, 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 उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2004 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 2019** तक विधिमानी रहेगी। This licence shall remain valid till **31st day of March 2019**.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्ति 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 - 14/06/2017

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 16/04/2026

Transfers :

- Change in Licensee Name/Address/Status dated : 29/09/2025

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
09/04/2025	31/03/2030	Sd/- Dy. Chief Controller of Explosives, Ernakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।
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Cert. No. FR/251114123700880

भारत सरकार/Government of India

खान अधिनियम, 1952/Mines Act, 1952

खनन परीक्षा बोर्ड/ Board of Mining Examinations

खान फोरमैन सक्षमता प्रमाण- पत्र

(केवल ओपनकास्ट खानों तक सीमित)

(Restricted to mines having opencast working only)

MINE FOREMAN'S CERTIFICATE OF COMPETENCY

(धात्विकीय खान विनियम, 1961 के अन्तर्गत)

(Under the Metalliferous Mines Regulations, 1961)

श्री **रॉबी थॉमस** पिता श्री **थोमस** जिनकी जन्म तिथि **10-03-1985** है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने एवं **जून - 2025** में आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्द्वारा केवल ओपनकास्ट धात्विकीय खानों के लिए **फोरमैन प्रमाण-पत्र** प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक **11-07-2025** से प्रभावी है।

Shri **ROBY THOMAS** Son of Shri **THOMAS** born on **10-03-1985** having given satisfactory evidence of possessing the prescribed qualifications and experience and having passed the examination held in **June - 2025** is hereby granted **MINE FOREMAN'S CERTIFICATE OF COMPETENCY** for metalliferous mine having opencast workings only. This certificate is effective from **11-07-2025**

सचिव
खनन परीक्षा बोर्ड
Secretary

Board of Mining Examination

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman

Board of Mining Examination

Note :- This is a digitally signed certificate and does not require any physical signature.

Signed and Sealed

Date : 03-03-2026

FR

To
ROBY THOMAS

Home Address

Village : PERUMANOOR HOUSE

PO : PALARIVATTOM

Police Station : PALARIVATTOM

District : ERNAKULAM

State : KERALA

प्रमाणित किया जाता है कि उनकी सक्षम चिकित्सा अधिकारी द्वारा स्वास्थ्य परीक्षा कर
खान में कार्य करने के लिए स्वस्थ घोषित किया जाता है।

**Certified that he has been examined by qualified medical
officer and declared fit for employment in mines.**

1 _____ को On	2 _____ को On
3 _____ को On	4 _____ को On
5 _____ को On	6 _____ को On
7 _____ को On	8 _____ को On
9 _____ को On	10 _____ को On

If found lost, please return to the following address:

Secretary (Board of Mining Examinations), Directorate General of Mines Safety,
Hirapur, Dhanbad, Jharkhand - 826001.

Checked By : Shri Ch venkatesh

**Form - 2**

(See rule 05, 12, 16, 23)

Ummannoor Grama Panchayat
CERTIFICATE OF ENTERPRISES LICENSE

License No : BFIF02-G020301-00065-2026

1. Licensee Details

[ലൈസൻസിന് എടുക്കുന്ന വ്യക്തിയുടെ പേരും വിലാസവും]

Licensee/Organization Name GREGGO KURIAN
Name in Local Language ഗ്രിഗോ കര്യൻ
Licensee Address VADAKKAN HOUSE, PALLIKKARA, 683565
Licensee Contact Details **Phone :** 9447374857
Email : eldhosemkunju@gmail.com

**2. Licensing Place Details**

[ലൈസൻസിന്റെ യൂണിറ്റ് സ്ഥലവും]

Licensing Unit ID/Type Individual
Details of Licensing Place/Structure Type Survey No-12 - 26/149/5-2,12 - 149/6-2,12 - 149/7-2,12 - 149/8-2
Licensing Unit Name GRANITE BUILDING QUARRY PROJECT OF SRI GREGGO KURIAN
Licensing Unit Name in Local Language ഗ്രാനൈറ്റ് ബിൽഡിംഗ് ക്വാറി പ്രൊജക്ട് ഓഫ് ശ്രീ ഗ്രിഗോ കര്യൻ
Licensing Unit Address THEVANNOOR, THEVANNOOR KOTTARAKKARA TALUK VALAKOM VILLAGE, 691533
Contact Information **Phone :** 9446086336
Email :

3. Licensing Business Activity Details

Sl No	Business Category	Type	Sub Type
1	Quarrying, Mining & Extraction	Construction Materials	Granite Quarrying

4. License Validity & Renewal Period

License valid From	License valid to	Renewal time of License	License Fee
01-04-2026	31-03-2027	Before 02-03-2027	5000.00



Document certified by Saji B S -sajidwaraka@gmail.com-

Digitally signed by Saji B S
 Date: 2026.04.08 17:38:23 IST
 Reason: KSMART MFTE & OS License

ലൈസൻസ് നിബന്ധനകൾ

1. കേരളാ പഞ്ചായത്ത് രാജ് ആക്റ്റിലെ ലൈസൻസ് സംബന്ധിച്ചുള്ള വ്യവസ്ഥകളും മറ്റു പൊതു വ്യവസ്ഥകളും അതത് സമയങ്ങളിലെ ചട്ടങ്ങളും, പഞ്ചായത്തിന്റെ ബേബലോയിലെ നിബന്ധനകളും ഉത്തരവുകളും ലൈസൻസി പാലിക്കേണ്ടതാണ്.
2. ലൈസൻസ് സർട്ടിഫിക്കറ്റ് സ്ഥാപനത്തിൽ പ്രദേശിപ്പിച്ചിരിക്കേണ്ടതാണ്.
3. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം ഇംഗ്ലീഷിലും മലയാളത്തിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
4. സ്ഥാപനവും പരിസരവും ശുചിയായി സൂക്ഷിക്കേണ്ടതാണ്.
5. സ്ഥാപനത്തിൽ ഉണ്ടാകുന്ന മാലിന്യങ്ങൾ തരം തിരിച്ചു സൂക്ഷിക്കേണ്ടതും ജൈവ മാലിന്യങ്ങൾ സംസ്കരിക്കുന്നതിന് സ്വന്തമായി സംവിധാനങ്ങൾ ഒരുക്കുകയോ പഞ്ചായത്ത് ഏർപ്പെടുത്തുന്ന ഏജൻസിക്ക് കൈമാറുകയോ ചെയ്യേണ്ടതും, അജൈവ മാലിന്യങ്ങൾ ഹരിത കർമ്മ സേനയ്ക്കോ, പഞ്ചായത്ത് ഏർപ്പെടുത്തുന്ന മറ്റു ഏജൻസിക്ക് കൈമാറേണ്ടതുമാണ്.
6. മനുഷ്യാപയോഗത്തിനുള്ള ഭക്ഷണ പദാർത്ഥങ്ങളിൽ മായം ചേർക്കുകയോ, മനുഷ്യാരോഗ്യത്തിനു ഹാനികരമായതും പഴകിയതും മനുഷ്യാപയോഗ യോഗ്യമല്ലാത്തതുമായ ഭക്ഷണ പദാർത്ഥങ്ങൾ വില്പനയ്ക്കായി സൂക്ഷിക്കുകയോ, മാലിന്യങ്ങൾ കലരുന്ന വിധത്തിൽ അനാരോഗ്യകരമായ സാഹചര്യത്തിൽ ഭക്ഷണ പദാർത്ഥങ്ങൾ സൂക്ഷിക്കുകയോ ചെയ്യാൻ പാടില്ലാത്തതാണ്.
7. ഭക്ഷണ പദാർത്ഥങ്ങൾ കൈകാര്യം ചെയ്യുന്നവർക്ക് നിർബന്ധമായും ഹെൽത്ത് കാർഡ് ഉണ്ടായിരിക്കേണ്ടതാണ്.
8. പകർച്ചവ്യാധികൾ പിടിപെട്ടവരെ സ്ഥാപനത്തിൽ ജോലിക്കായി നിയോഗിക്കാൻ പാടില്ലാത്തതാണ്.
9. നിരോധിത പ്ലാസ്റ്റിക് ഉത്പന്നങ്ങൾ സ്ഥാപനത്തിൽ സൂക്ഷിക്കുകയോ വിൽക്കുകയോ ചെയ്യാൻ പാടില്ലാത്തതാണ്.
10. ജീവനക്കാർക്കും പൊതുജനങ്ങൾക്കും പ്രാഥമിക ആവശ്യങ്ങൾക്കുള്ള നിയമപരമായ സൗകര്യങ്ങൾ സ്ഥാപനത്തിൽ ഏർപ്പെടുത്തേണ്ടതാണ്.
11. സെക്രട്ടറിയോ സെക്രട്ടറി ചുമതലപ്പെടുത്തുന്ന ഉദ്യോഗസ്ഥനോ ഏതു സമയത്തും സ്ഥാപനം പരിശോധിക്കുന്നതിനു സൗകര്യം ഒരുക്കേണ്ടതാണ്.
12. വിദ്യാഭ്യാസ സ്ഥാപനങ്ങൾക്ക് നൂറു വാർ ചുറ്റളവിൽ പുകയില ഉത്പന്നങ്ങൾ വിൽക്കാൻ പാടില്ലാത്തതാണ്. പുകയില നിരോധന നിയമ (COTPA 2003) പ്രകാരമുള്ള എല്ലാ നിബന്ധനകളും ലൈസൻസി പാലിക്കേണ്ടതാണ്.
13. മലിനീകരണ നിയന്ത്രണ ബോർഡിന്റെയും മറ്റു ഏജൻസികളുടെയും ഡിപ്പാർട്ട് മെന്റുകളുടെയും അനുമതികളിൽ നിർദ്ദേശിച്ചിട്ടുള്ള വ്യവസ്ഥകൾ പാലിച്ചു മാത്രമേ സ്ഥാപനം പ്രവർത്തിപ്പിക്കുവാൻ പാടുള്ളൂ.
14. ലൈസൻസ് അനുവദിക്കുന്നതിനായി സമർപ്പിച്ചിട്ടുള്ള വിവിധ ഡിപ്പാർട്ട്മെന്റുകളുടെ നിരാക്ഷേപ പത്രങ്ങൾ, അനുമതികൾ എന്നിവ യഥാസമയം പുതുക്കേണ്ടത് ലൈസൻസിലൂടെ ഉത്തരവാദിത്വം ആയിരിക്കുന്നതും അപ്രകാരം പ്രവർത്തിക്കാത്ത പക്ഷം ലൈസൻസിനു നിയമ സാധുത ഉണ്ടായിരിക്കുന്നതുമല്ല.
15. ലൈസൻസ് അവസാനിക്കുന്ന തീയതിക്ക് മുമ്പായി ലൈസൻസ് പുതുക്കുന്നതിനുള്ള അപേക്ഷ ഓൺലൈൻ ആയി സമർപ്പിക്കേണ്ടതാണ്.
16. കാലാകാലങ്ങളിൽ കേന്ദ്ര-സംസ്ഥാന പ്രാദേശിക ഗവൺമെന്റ് ഏർപ്പെടുത്തുന്ന നിരോധനങ്ങളും നിയമങ്ങളും നിർദ്ദേശങ്ങളും ലൈസൻസി അനുസരിക്കേണ്ടതാണ്.
17. ലൈസൻസ് വ്യവസ്ഥകൾ ലംഘിക്കുന്ന പക്ഷം കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് സെക്ഷൻ 232, 233 പ്രകാരവും, മറ്റു ബന്ധപ്പെട്ട വകുപ്പുകൾ പ്രകാരവും, 1996- ലെ കേരള പഞ്ചായത്ത് രാജ് (വ്യവസായങ്ങൾക്കും ഫാക്ടറികൾക്കും വ്യാപാരങ്ങൾക്കും സംരംഭക പ്രവർത്തനങ്ങൾക്കും മറ്റു സേവനങ്ങൾക്കും ലൈസൻസ് നൽകൽ) ചട്ടങ്ങൾ പ്രകാരവും സ്ഥാപനത്തിന്റെ പ്രവർത്തനം നിർത്തി വയ്ക്കുന്നതിനോ ആയതു പരിഹരിക്കുന്നതിന് ആവശ്യമായ നടപടികൾ സ്വീകരിക്കുന്നതിനോ സെക്രട്ടറി ആവശ്യപ്പെടുന്ന പക്ഷം ആയതു ലൈസൻസി അനുസരിക്കേണ്ടതാണ്. അല്ലാത്തപക്ഷം സ്ഥാപനം ഡിപ്പാർട്ട്മെന്റൽ ആയി അടച്ചു പൂട്ടുന്നതാണ്. കൂടാതെ പ്രോസിക്യൂഷൻ നടപടിക്ക് വിധേയൻ ആകുന്നതിനോ സെക്രട്ടറി ചുമത്തുന്ന പിഴ ഒടുക്കുന്നതിനോ ലൈസൻസി ബാധ്യസ്ഥൻ ആയിരിക്കുന്നതാണ്.

FILE NO : KSPCB/KL/ICO/10101188/2025

Date of issue : 02-05-2025



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

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

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

and

The Environment (Protection) Act, 1986

As per Application No. : 10101188

Dated : 23-04-2025

To

**GRANITE BUILDING STONE QUARRY PROJECT OF SRI. GREGO KURIAN
SITE AT: KOTTARAKKARA TALUK, VALAKOM VILLAGE, UMMANNOOR
PANCHAYATH THEVANNOOR P.O 691533**

Consent No. : KSPCB/KL/ICO/10101188/2025

Valid Upto : 29-02-2028

I. GENERAL.

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

1	VALIDITY	29-02-2028
2	Name and Address of the establishment	GRANITE BUILDING STONE QUARRY PROJECT OF SRI. GREEGO KURIAN SITE AT: KOTTARAKKARA TALUK, VALAKOM VILLAGE, UMMANNOOR PANCHAYATH THEVANNOOR P.O 691533 E-Mail : rejikuriakosc2013@gmail.com Contact Number : 9446086336
3	Occupier Details	GREEGO KURIAN VADAKKAN, ERUMELI PALLIKKARA KUMARAPURAM P.O 683565 E-Mail : rejikuriakosc2013@gmail.com Contact Number :
4	Local Body	UMMANNOOR PANCHAYATH
5	Survey Number	149/8-2, 149/7-2, 149/6-2, 149/5-2
6	Village	Valakam
7	Taluk	Kottarakkara
8	District	KOLLAM
9	Capital Investment(Rs in Lakhs)	117.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	25000.0
	Total Fee remitted(Rs)	112500.0
13	Activity	Quarry Project for an area 0.927 Hectare
14	Machinery details	-

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 proposal submitted along with the application shall be made functional before commissioning. 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 : 8000 Lit/day

2.3 Effluent Generation : NA

3. CONDITIONS AS PER

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

3.1 Adequate air pollution control measures shall be provided before commissioning 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 construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

4.2 Used batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2002.

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. The consent is issued only with respect to the powers vested under the Water Act 1974, Air Act 1981 and Rules there under.

5.2. Application for renewal for this consent, unless withdrawn earlier and subject to condition no. 5.1, shall be submitted two months before the expiry of validity. Late application will be accepted only with fine as applicable.

5.3 Any change in the particulars furnished in the application and/or in the identity of the occupier/authorized agent shall be intimated to the Board forthwith.

5.4 Boundary of the quarry shall be marked and fenced before the starting of quarrying operations.

5.5 The quarrying operation shall be limited to the area as per the approved mining plan. Quarrying shall be carry out as per the approved Mining Plan, failing which this consent stands invalid.

5.6 Quarrying operation shall be carried out only during day time.

5.7 The suspended particulate matter at the boundary of the premises shall not exceed the limits specified as per the National Ambient Air quality standards applicable to the adjoining area.

5.8 The sound level measured at 1 m outside the boundary of the premises shall not exceed limits prescribed as per the National Ambient Air quality standards applicable to the adjoining area, with respect to noise.

5.9 Dust suppression system such as water atomisers shall be installed around the quarrying area before commencing the project.

5.10 Necessary buffer layer shall be maintained inside the boundary and no quarrying activity shall be carried out in that area.

5.11 Blasting with NONEL (Non Electrical) technology shall be practised to reduce the vibration of the ground.

5.12 Blasting shall be done only at specified times and this blasting schedule shall be displayed to public to avoid accidents.

5.13 The excavated area, if any, may be used for aquaculture and rainwater harvesting with protective barriers or for any other suitable purpose or may be reclaimed.

5.14 Efforts shall be made to avoid any sort of environmental problems due to the working of the quarry.

5.15 A distance of 50m shall be maintained from the quarrying area to nearby residences/other

Buildings roads with public transport system/ river/ lake/ bridge.

5.16 Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.

5.17 This consent is issued based on the Letter of Intent no.777/DOO/S2/2022 dated 27.11.2023 of Mining & Geology Department and Environment clearance certificate identification No:EC24C0108KL5819308N dated 12.03.2025 and is valid only when all other statutory/ necessary clearances from the concerned Authorities are valid. The Quarrying shall be done only after obtaining clearances from all concerned Authorities.

Signature valid

Digitally signed by FACHEL THOMAS
Date: 2025.05.02 15:05 IST

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER



To

M/s GRANITE BUILDING STONE QUARRY PROJECT OF SRI. GREGO KURIAN
SITE AT: KOTTARAKKARA TALUK, VALAKOM VILLAGE, UMMANNOOR PANCHAYATH
THEVANNOOR P.O 691533
E-Mail : rejikuriakose2013@gmail.com
Contact Number : 9446086336

1. This digitally signed document is legally valid as per the Information Technology Act 2000

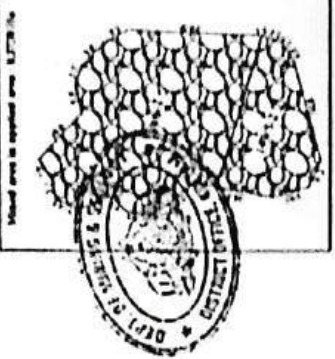
2. For verifying this document please go to www.keralapcbonline.com and search using Certificate Number/name of the unit/Application Number in "Certificate Verification" link in the home page of the Board's Phoenix website.

PLATE NO 723

DISTRICT : KOLLAM
 TALK : KOTTARAKKARA
 VILLAGE : VALAKOM
 BLOCK NO : 36
 PANCHAYATH : UMMAANGOR
 RE-SY NO : 149 & 2, 149C & 2, 149-6 & 2
 : 149-5 & 2
 Applied permit area : 0.9270 Ha
 Mined area in app'd area : 0.3750 Ha

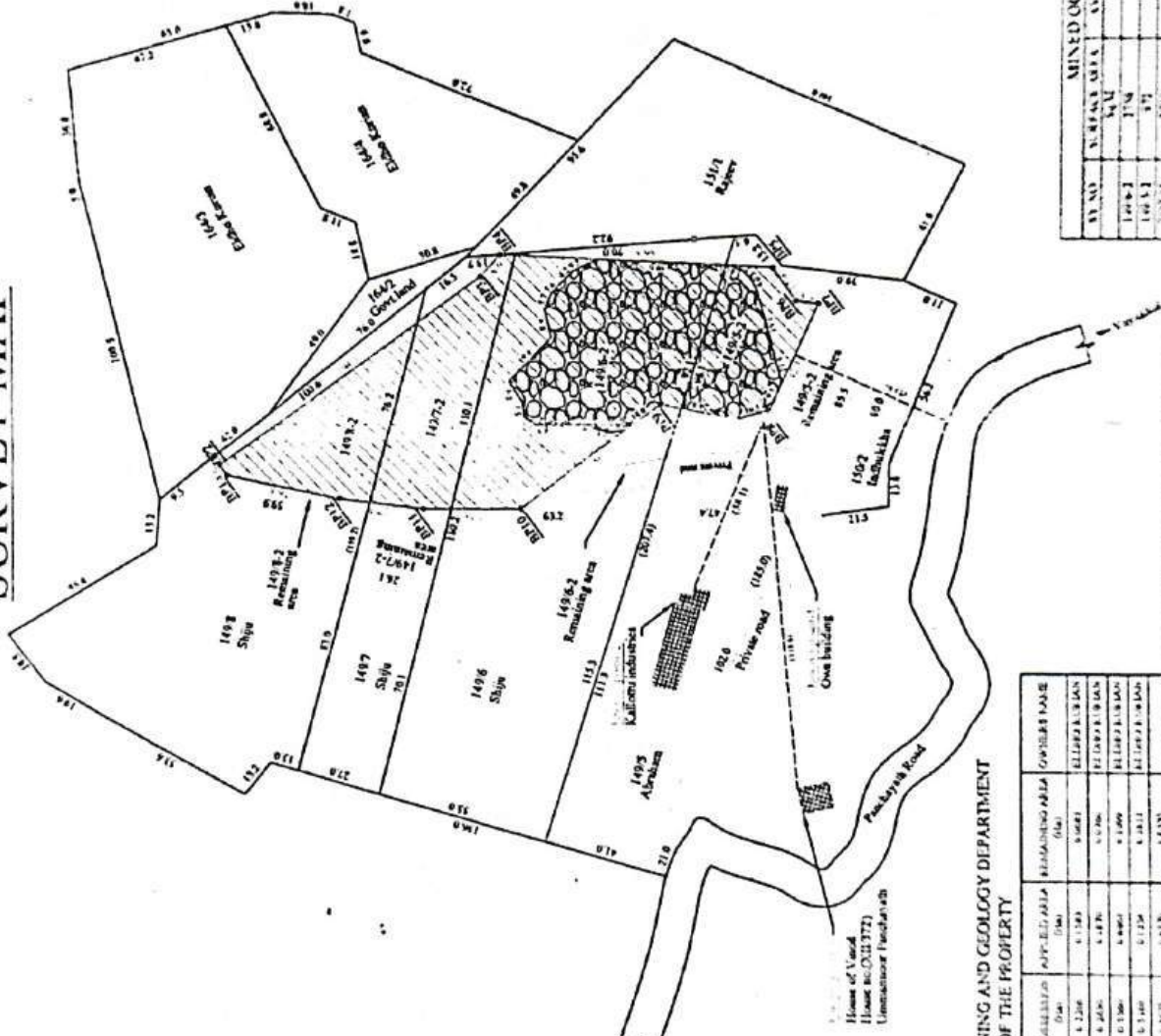
APPLICANT

Grego Kurian
 Vadakkas House
 Kumarasapuram P.O
 Palakkara, Ernakulam
 Kerala



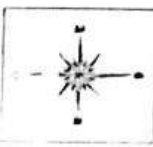
[Handwritten signature]
 DISTRICT OFFICE
 VALAKOM

SURVEY MAP



No. 179 / 22 (1)

FILE NO :



AREA QUANTITIES

S. NO.	DESCRIPTION	AMOUNT
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SHEET : AJ
 SCALE : 1:1000
 ALL DIMENSIONS ARE IN METRE

1.	Area	
2.	Perimeter	
3.	Volume	
4.	Weight	
5.	Value	
6.	Remarks	
7.	Signature	
8.	Date	
9.	Place	
10.	Authority	

**SUBMIT BEFORE THE MINING AND GEOLOGY DEPARTMENT
 DETAILS OF THE PROPERTY**

S. NO.	NO. OF SHEETS	TH. NO.	AREA	REMARKS	APPLICANT'S NAME	REGISTRATION NO.	DATE	COPIES	TABLE
1.	1	1	1000	1000	1000	1000	1000	1000	1000
2.	2	2	2000	2000	2000	2000	2000	2000	2000
3.	3	3	3000	3000	3000	3000	3000	3000	3000
4.	4	4	4000	4000	4000	4000	4000	4000	4000
5.	5	5	5000	5000	5000	5000	5000	5000	5000
6.	6	6	6000	6000	6000	6000	6000	6000	6000
7.	7	7	7000	7000	7000	7000	7000	7000	7000
8.	8	8	8000	8000	8000	8000	8000	8000	8000
9.	9	9	9000	9000	9000	9000	9000	9000	9000
10.	10	10	10000	10000	10000	10000	10000	10000	10000

MINED OUT QUANTITY IN MINING AREA

NO.	SURFACE AREA	CALCULATED	REMARKS	UNIT
1498-2	1000	1000	1000	sq.m
1497-2	1000	1000	1000	sq.m
1498-2	1000	1000	1000	sq.m
1497-2	1000	1000	1000	sq.m
TOTAL	4000	4000	4000	sq.m

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കേസിൽ
അഡ്വക്കേറ്റ്
വിൽസൺ
പത്രപരസ്യ
ർട്ട്.
പട്ട പരവൂർ
തി മുന്മാകെ
979/2023
ബജു ഗോപാൽ,
പ്പൻ, Tc 27/1987,
റകുളം റോഡ്,
രിരുവനന്തപുരം.
ന, D/o കെ. വിക്ര
മാമ്പള്ളികുന്ന്,
തന്നൂർ.
പേരെയും
ത്തുന്നത്
തിനായി ഹർജി
യ്ക്കു ടി നമ്പർ ഹർ
ജ് അവധി വെച്ചി
ദിവസം പകൽ 11
നപ്പെട്ട കോടതി
ായി ആർക്കെങ്കി
ം തർക്കങ്ങളോ,
ള പക്ഷം ആയതു
ള്ളേണ്ടതും അല്ലാ
യും തന്നെ യാതൊ
എന്ന് കണ്ട് ഹർ
ചെയ്യുന്നതാണെ
തിനാൽ തൈര്യപ്പെ
നു.
തരവിൻ പ്രകാരം,
(ഒപ്പ്)
ാർ മാത്യു വിൽസൺ

അറിയിപ്പ്

പൊതുജനശ്രദ്ധക്കായി, കേരള സംസ്ഥാന കൊല്ലം ജില്ല, കൊട്ടാരം താലൂക്ക്, വാളകം വില്ലേജിൽ പ്പെട്ട സർവ്വേ നമ്പർ 149/5-2, 149/6-2, 149/7-2, 149/8-2ൽ പാഠവനനം ചെയ്യുന്നതിനുവേണ്ടി പരിസ്ഥിതി അനുമതി ഗ്രിഗോ കൂര്യൻ, വടക്കൻ ഹൗസ്, കുമാരപുരം പി.ഒ, എറണാകുളം, സംസ്ഥാന പരിസ്ഥിതി ഇന്റാക്ട് അസ്സെസ്മെന്റ് അതോറിറ്റിയിൽ നിന്നും ഓർഡർ പ്രകാരം നമ്പർ: EC24CO108KL5819308 N, 12/03/2025 ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് സംസ്ഥാന പരിസ്ഥിതി ഇന്റാക്ട് അസ്സെസ്മെന്റ് അതോറിറ്റി ഓഫീസിൽ ലഭ്യമാണ്. കൂടുതൽ തെ [http:// environmentalclearance.nic.in](http://environmentalclearance.nic.in) എന്ന വെബ്സൈറ്റിൽ കൂടിയും പകർപ്പ് ലഭ്യമാണ്.

NOTICE

For the attention of the public environmental clearance for granite building stone quarrying in Survey Nos: 149/5-2, 149/6-2, 149/7-2, 149/8-2 in Kollam district, Kottarakkara Taluk, Valakom Village Kerala State has been obtained to Mr. Greego Kurian, Vadakkan House, Kumarapuram P.O, Ernakulam from the State Environmental impact Assessment Authority, vide order No: E C24CO108KL5819308 N, dated 12/03/2025 copy of this order in available at the State Environment impact Assessment Authority Office. Copy of the order is available in the Website: [http:// environmentalclearance.nic.in](http://environmentalclearance.nic.in) also.

നഷ്ടപ്പെട്ടു

എന്റെ KL 22 N92
ഹനത്തിന്റെ ആ
ക്കൂട്ടത്ത് വച്ച് നഷ്ട
റ്റ് എടുക്കുന്നതിന്
കഴക്കൂട്ടം JRTO 6
K K BHASKARAN
KALEEKAL, TC 1
NALANCHIRA

നഷ്ടപ്പെട്ടു

എന്റെ പേരിലുള്ള
Bajaj Auto യുടെ
മധ്യേ ആറ്റിങ്ങൽ
ഡ്യൂപ്ലിക്കേറ്റ് എടു
തിയുള്ളവർ ആറ്റ
യി ബന്ധപ്പെടുക
Ajitha.K
Kattil puthen veer
Market Road, Atti

നോട്ടീസ്

2022 മാർച്ച് വർഷ
റ്റർ നമ്പരിലുള്ള
ക്ക്/കാർഡ് തിരി
നഷ്ടപ്പെട്ടതിനാ
ഡ്യൂപ്ലിക്കേറ്റ് ലഭ
പരീക്ഷാ സെക്ര
നൽകുവാൻ ഞ
രിക്കുന്നു. ഇതിനേ
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സത്തിനകം സെ
ഓഫ് പബ്ലിക് ഹ
സ്, പരീക്ഷാഭവ
രുവനന്തപുരം-1
ത്തിൽ രേഖാമൂല
ണ്ടതാണ്.
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H.No: 517, 5th la
Kudapannakunnu
Peroorkada P O-





ENVIRODESIGNS ECO LABS PVT. LTD

(Food Quality / Water / Environmental Testing Lab)



ISO 9001:2015, ISO 45001:2018 Certified Organization
 Approved 'A' grade Lab by Kerala State Pollution Control Board
 Accredited Lab by NABL as per ISO 17025:2017 (Cert No : TC:17077)
 Recognised Lab by Ministry of Environment, Forests & Climate Change (Govt. of India) as per E (P) Act 1986

TEST REPORT

Page 1 of 2

Report No. : EEL/LR/26/0018648/903

Issued To:

Issue Date : April 28, 2026

Mr. Greego Kurian
 Vadakkan House
 Kumarapuram Post
 Ernakulam.

Customer ref: - Verbal

Project: - Environmental Monitoring at the quarry site in Block No. 26, Resurvey No.149/8-2, 149/7-2, 149/6-2, 149/5-2, for an area of 0.9270 hectares in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

Sample receipt form Ref. No. : SRF/W/04/903 dt. 22.04.2026

Sampling done by: Customer

Sample Particulars: Water sample

Sample receiving date: April 22, 2026	Lab identification code: W/04/903
Analysis starting date: April 22, 2026	Analysis completion date: April 27, 2026
Quantity of sample received: 1L x 1	Description of sample by the customer: Surface water (Quarry pit)
Packaging details : Pet bottle	
GPS coordinates: 8°55'26.80" N 76°50 '33.89" E.	
Physical appearance of the sample: Clear liquid	
Tests required: For the parameters listed below, as per Drinking water specification IS 10500:2012	

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 25°C	---	IS 3025 (Pt 11):2022	6.9	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5): 2018	Agreeable	Agreeable
3.	Colour	Hazen Units,max	IS 3025 (Pt 4):2021	3.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):2023	0.60	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):2023	67	500
6.	Total Hardness as CaCO ₃	mg/l,max	IS 3025 (Pt 21):2009	36.86	200
7.	Chloride as Cl	mg/l,max	IS 3025 (Pt 32):1988	17.36	250
8.	Sulphate as SO ₄	mg/l,max	IS 3025 (Pt 24*Sec-1):2022	5.20	200
9.	Alkalinity as CaCO ₃	mg/l,max	IS 3025(Pt 23):2023	20.80	200
10.	Iron as Fe	mg/l,max	IS 3025 (Pt 53):2003	0.09	1.0
11.	Calcium as Ca	mg/l,max	IS 3025 (Pt 40):2024	12.44	75
12.	Magnesium as Mg	mg/l,max	IS 3025 (Pt 46):2023	1.41	30
13.	Free Residual Chlorine	mg/l,min	IS 3025 (Pt 26):2021	BDL(MDL-0.01)	0.2
14.	Fluoride as F	mg/l,max	IS 3025(Pt 60):2008	BDL(MDL-0.2)	1.0
15.	Manganese as Mn	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.01)	0.1
16.	Zinc as Zn	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.001)	5.0
17.	Cadmium as Cd	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.0001)	0.003
18.	Lead as Pb	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.0001)	0.01

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit



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Page 2 of 2

Report No. : EEL/LR/26/0018648/903

Sl. No.	Parameters	Method	Result	Requirement
1.	Total coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample
2.	E.coli or thermotolerant coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample

....End of Report.....

Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.

Jesty M.T
Dy.Tech. Manager-Microbiology
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.



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TEST REPORT

Page 1 of 2

Report No. : EEL/LR/26/0018649/904
Issue Date : April 28, 2026

Issued To:
Mr. Greego Kurian
Vadakkan House
Kumarapuram Post
Ernakulam.

Customer ref: - Verbal

Project: - Environmental Monitoring at the quarry site in Block No. 26, Resurvey No.149/8-2, 149/7-2, 149/6-2, 149/5-2, for an area of 0.9270 hectares in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

Sample receipt form Ref. No. : SRF/W/04/904 dt. 22.04.2026

Sampling done by: Customer

Sample Particulars: Water sample

Sample receiving date: April 22, 2026	Lab identification code: W/04/904
Analysis starting date: April 22, 2026	Analysis completion date: April 27, 2026
Quantity of sample received: 1L x 1	Description of sample by the customer: Ground water (Open well)
Packaging details : Pet bottle	
GPS coordinates: 8°55'26.80" N 76°50 '33.89" E.	
Physical appearance of the sample: Clear liquid	
Tests required: For the parameters listed below, as per Drinking water specification IS 10500:2012	

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 25°C	---	IS 3025 (Pt 11):2022	7.3	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5): 2018	Agreeable	Agreeable
3.	Colour	Hazen Units,max	IS 3025 (Pt 4):2021	3.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):2023	0.50	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):2023	120	500
6.	Total Hardness as CaCO ₃	mg/l,max	IS 3025 (Pt 21):2009	58.20	200
7.	Chloride as Cl	mg/l,max	IS 3025 (Pt 32):1988	29.89	250
8.	Sulphate as SO ₄	mg/l,max	IS 3025 (Pt 24-Sec-1):2022	8.67	200
9.	Alkalinity as CaCO ₃	mg/l,max	IS 3025(Pt 23):2023	49.92	200
10.	Iron as Fe	mg/l,max	IS 3025 (Pt 53):2003	0.11	1.0
11.	Calcium as Ca	mg/l,max	IS 3025 (Pt 40):2024	20.22	75
12.	Magnesium as Mg	mg/l,max	IS 3025 (Pt 46):2023	1.89	30
13.	Free Residual Chlorine	mg/l,min	IS 3025 (Pt 26):2021	BDL(MDL-0.01)	0.2
14.	Fluoride as F	mg/l,max	IS 3025(Pt 60):2008	BDL(MDL-0.2)	1.0
15.	Manganese as Mn	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.01)	0.1
16.	Zinc as Zn	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.001)	5.0
17.	Cadmium as Cd	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.0001)	0.003
18.	Lead as Pb	mg/l,max	IS 3025 (Pt 65) : 2025	BDL(MDL-0.0001)	0.01

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit



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Page 2 of 2

Report No. : EEL/LR/26/0018649/904

Sl. No.	Parameters	Method	Result	Requirement
1.	Total coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample
2.	E.coli or thermotolerant coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample

....End of Report.....

Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.

Jesty M.T
Dy.Tech. Manager-Microbiology
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.



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TEST REPORT

Page 1 of 1

Report No. : EEL/LR/26/0018650/905
Issue Date : April 28, 2026

Issued To:
Mr. Greego Kurian
Vadakkan House
Kumarapuram Post
Ernakulam.

Customer ref: - Verbal

Project: - Environmental Monitoring at the quarry site in Block No. 26, Resurvey No. 149/8-2, 149/7-2, 149/6-2, 149/5-2, for an area of 0.9270 hectares in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.
Sample receipt form Ref. No. : SRF/SO/04/905 dt.22.04.2026
Sampling done by: Customer

Sample Particulars: Soil sample

Sample receiving date : April 22, 2026
Analysis starting date : April 22, 2026
Quantity of sample received: 2kg
Packaging details: Plastic cover
GPS coordinates: 8°55' 26.71" N 76°50 '33.55" E.
Tests required: For the parameters listed below;

Lab identification code : SO/04/905
Analysis completion date : April 27, 2026
Description of sample by the customer: Soil sample
(Location: South-East Direction)

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result
1.	Soil Type	--	Indian Bureau of Mines Analysis of Soil: 2012	Sandy clay loam
2.	Colour	--	FAO method for Analysis of Soil: 2020	Reddish brown
3.	Moisture Content	%	IS 2720(Pt 2):1973	2.05
4.	Water Holding Capacity	%	Indian Bureau of Mines Analysis of Soil: 2012	51
5.	Conductivity	µS/cm	IS 14767:2000	136
6.	pH	--	IS 10158:1982	7.0
7.	Organic Carbon	%	IS 2720(Pt 22):1972	0.28
8.	Total Nitrogen	%	IS 14684:1999	0.19
9.	Phosphorus	mg/kg	USEPA 6020B: 2014	198.74
10.	Potassium	mg/kg	USEPA 6020B: 2014	135.40

.....End of Report.....

Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.



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TEST REPORT

Page 1 of 2

Report No. : EEL/LR/26/0018651/906

Issued To:

Issue Date : April 28, 2026

Mr. Greego Kurian
Vadakkan House
Kumarapuram Post
Ernakulam.

Customer ref: - Verbal

Project: - Environmental Monitoring at the quarry site in Block No. 26, Resurvey No.149/8-2, 149/7-2, 149/6-2, 149/5-2, for an area of 0.9270 hectares in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

Sample receipt form Ref. No. : SRF/A/04/906 dt. 23.04.2026

Sampling done by: Lab field technicians

Sample Particulars: Ambient Air sample

Date of monitoring : April 22, 2026 to April 23, 2026
Location of monitoring : Ambient Air Monitoring at various locations
Location of sampler : 3.2 m above ground level
Sampling method : Monitoring Protocol No. EEL/ENV/MP/01
Sample receiving date : April 23, 2026
Analysis starting date : April 23, 2026
Lab identification code: A/04/906
Analysis completion date : April 27, 2026
Tests required: For the parameters listed below, as per CPCB guidelines

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result				Limit (max)*
				A ₁	A ₂	A ₃	A ₄	
1.	Particulate matter (Size less than 10µm) or PM ₁₀	µg/m ³	IS 5182(Pt 23):2006	56.53	57.86	59.47	52.98	100
2.	Particulate matter (Size less than 2.5µm) or PM _{2.5}	µg/m ³	IS 5182(Pt 24):2019	19.78	20.96	22.09	15.23	60
3.	Sulphur dioxide	µg/m ³	IS: 5182 (Pt 2):2001	9.98	7.86	10.12	11.86	80
4.	Nitrogen dioxide	µg/m ³	IS: 5182 (Pt 6): 2006	13.54	12.69	15.14	16.79	80
5.	Carbon Monoxide (8hrs)	mg/m ³	IS: 5182 (Pt 10): 1999	0.80	0.90	0.60	0.80	2.0

Note: - * Limit applicable for 24 hour Ambient Air Quality monitoring for Industrial, Residential, Rural and other Areas as per National Ambient Air Quality Standards 2009.

A₁- (West side) GPS coordinates : 8°55' 28.56" N 76°50' 32.37" E

A₂- (East side) GPS coordinates : 8°55' 28.56" N 76°50' 35.05" E

A₃- (North side) GPS coordinates : 8°55' 31.69" N 76°50' 33.06" E

A₄- (South side) GPS coordinates : 8°55' 26.00" N 76°50' 33.03" E



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Page 2 of 2

Report No. : EEL/LR/26/0018651/906

Weather and Meteorological Data

Weather condition: Clear sky

Meteorological Parameters	Max	Min
Temperature (°C)	35	27
Humidity (%)	89	62

Instruments used for Monitoring

- 1) Fine Particulate Sampler (FPS), Make: Envirotech Instruments Pvt. Ltd., Model : APM 550, ID. No. EEL/FPS/06, EEL/FPS/07, EEL/FPS/08, EEL/FPS/09
- 2) Respirable Dust Sampler (RDS), Make: Envirotech Instruments Pvt. Ltd., ID. No. : EEL/RDS/06, EEL/RDS/07, EEL/RDS/08
- 3) Respirable Dust Sampler (RDS), Make: Envirotech Instruments Pvt. Ltd., Model.: APM 460, ID.No.: EEL/RDS/09
- 4) CO ANALYZER, Make: Endee Engineers, Model :IR-50, ID NO.:EEL/COA/02

....End of Report.....

Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.



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NOISE LEVEL MONITORING REPORT

Page 1 of 2

Report No. : EEL/LR/26/0018652/907
Issue Date : April 28, 2026

Issued To:
Mr. Greego Kurian
Vadakkan House
Kumarapuram Post
Ernakulam.

Customer ref: - Verbal

Project: - Environmental Monitoring at the quarry site in Block No. 26, Resurvey No.149/8-2, 149/7-2, 149/6-2, 149/5-2, for an area of 0.9270 hectares in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

Sample receipt form Ref. No. : SRF/N/04/907 dt. 23.04.2026

Monitoring done by: Lab field technicians

Sample Particulars: Noise Level Monitoring

Date of monitoring : April 22, 2026 to April 23, 2026
Source of monitoring : Ambient Noise Level monitoring measured 1.0 m outside boundary
Sampling method : Monitoring Protocol No. EEL/ENV/MP/01
Lab identification code : N/04/907
Method Used : IS 9989:1981

Presentation of Results

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}			
		N ₁	N ₂	N ₃	N ₄
1.	11.00 – 12.00	41.5	42.1	41.9	43.5
2.	12.00 – 13.00	42.4	43.6	42.7	44.6
3.	13.00 – 14.00	43.2	44.4	44.8	45.1
4.	14.00 – 15.00	44.9	45.2	45.2	46.7
5.	15.00 – 16.00	45.2	46.7	46.6	47.9
6.	16.00 – 17.00	46.7	47.3	47.3	48.4
7.	17.00 – 18.00	47.9	48.9	48.5	47.6
8.	18.00 – 19.00	46.5	45.2	46.7	46.2
9.	19.00 – 20.00	45.1	44.3	45.3	44.7
10.	20.00 – 21.00	44.2	42.9	43.9	43.4
11.	21.00 – 22.00	40.9	41.8	41.5	42.3
12.	22.00 – 23.00	39.8	40.7	40.1	41.4
13.	23.00 – 00.00	38.9	38.5	39.8	40.8
14.	00.00 – 01.00	36.2	37.5	38.4	38.7
15.	01.00 – 02.00	35.8	36.3	36.6	36.8
16.	02.00 – 03.00	34.5	35.7	35.2	35.3
17.	03.00 – 04.00	35.2	34.7	36.4	34.2



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Report No. : EEL/LR/26/0018652/907

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}			
		N ₁	N ₂	N ₃	N ₄
18.	04.00 – 05.00	36.5	35.9	35.8	36.6
19.	05.00 – 06.00	37.2	36.8	36.3	37.9
20.	06.00 – 07.00	38.1	37.2	37.9	38.9
21.	07.00 – 08.00	39.6	38.3	39.5	40.5
22.	08.00 – 09.00	40.3	39.7	40.7	41.3
23.	09.00 – 10.00	41.2	40.8	41.5	42.6
24.	10.00 – 11.00	42.4	41.9	42.9	43.2

Note: N₁- (West side) GPS coordinates : 8°55' 28.56" N 76°50' 32.37" E
N₂- (East side) GPS coordinates : 8°55' 28.56" N 76°50' 35.05" E
N₃- (North side) GPS coordinates : 8°55' 31.69" N 76°50' 33.06" E
N₄- (South side) GPS coordinates : 8°55' 26.00" N 76°50' 33.03" E

LIMIT AS PER NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000				
	Industrial Area	Commercial Area	Residential Area	Silence Zone
Day Time	75	65	55	50
Night Time	70	55	45	40

Note: Day time means - 6.00 AM to 10.00 PM

Night time means - 10.00 PM to 6.00 AM

Instrument used for Monitoring

Name of Instrument : Sound Level Meter, Make: Cygnet, Model : A0106-302, ID No : EEL/SLM/01

....End of Report.....



Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs Pvt.Ltd.

