

HALF YEARLY COMPLIANCE REPORT FOR GRANITE STONE QUARRY

File No. 2374/EC1/2023/SEIAA Dated 27/06/2024

Building Stone Quarry Project of Sri. G Raju

Situated At

**Re-Sy No:175/7-1, 175/7-2, 174/1
at Kalayapuram Village,
Kottarakkara Taluk,
Kollam District., Kerala**

June 2024 – September 2024

Prepared By

**PRIME TECHNOLOGY SERVICES
4D Kalpaka Fort Palace, Changampuzha
Park, Edappaly, Cochin-24
Mail: info@primets.in
Website: www.primets.in
Ph: 8089085335, 8089761335**

G Raju,
Gayathri Bhavan, Mylamkulam, Puthoor (P .O),
Mylom Kottarakkara,
Kollam
PIN-691507

To,

The Director MoEF&CC,
Regional Office (South Zone), Kendriya Sadan,
IVth floor, E&F Wing, 17th main Road,
Second Block, Koramangala Bangalore.

Sub: Half Yearly Compliance Report of Granite Stone Mine Project- June 2024-September 2024

Ref: File No. 2374/EC1/2023/SEIAA Dated 27/06/2024

Respected Sir,

We wish to draw your kind attention and inform that, our quarry site obtained EC (EC No.142/Q/2024 Dated 27-06-2024, File No. 2374/EC1/2023/SEIAA).from SEIAA. First Quarrying permit obtained only on 15-10-2024 from Mining and Geology District Office, Kollam. The quarrying operations just started on October 2024. During the period of June 2024 to September 2024 there was no quarrying operations. All statutory clearances such as Copy of the Explosive License, Panchayat License and Consent to Operate from KSPCB was obtained which is enclosed here with Half Yearly Compliance Report for the period June 2024 – September 2024

Place: Kollam

G Raju

Date: 30-11-2024

(Authorized Signatory)

Copy to,

Member secretary / Chairman

SEIAA Kerala

KSRTC Complex, Thampanoor

Thiruvananthapuram, Kerala

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1.INTRODUCTION

The Building Stone Quarry Project situated at Re-Sy. No. 175/7-1, 175/7-2, 174/1 of Kalayapuram Village, Kottarakkara Taluk, Kollam District., Kerala in respect of Mr. G. Raju.

Building Stone Quarry project of Sri. G. Raju was obtained with the Environmental Clearance EC No.142/Q/2024 (File No.2374/EC1/2023/SEIAA) by State Environmental Impact Assessment Authority on 27-06-2024. As part of general condition No.48 of Environmental Clearance order and EIA Notification the half yearly compliance report needs to be submitted by the project proponent.

This report contains the compliance of conditions of Environmental Clearance for the period of June 2024 –September 2024.

**COMPLIANCE TO THE CONDITION STIPULATED IN THE ENVIRONMENTAL
CLEARANCE ISSUED BY STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY, KERALA.**

2. SPECIFIC CONDITIONS

Table 2. SPECIFIC CONDITIONS

Sl.No.	Specific Conditions	Compliance Status
1.	The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Mineral Concession Rules 2015 and amendments thereby	We assure that all the quarrying activities will be carried out as per the Approved Mining Plan and strictly follows all the Kerala Minor Concession Rules 2015 and amendments thereby.
2.	The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the Lease order should be provided to the SEIAA before commencing the mining activity	Noted. We will extent all possible cooperation to the officers from SEIAA & will produce all data/information/reports when they are asking for.
3	The ultimate depth of mining should be limited to 55 m above MSL to prevent intersection with ground water table 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.	Noted. We assure that all the quarrying activities will be carried out as per the Approved Mining Plan and strictly follows all the Kerala Minor Concession Rules 2015 and amendments thereby.
4	A buffer distance of 50m should be maintained between the mine boundary and the nearest building/built structure.	Noted.
5.	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), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.	Noted for the compliance

6.	Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.	Noted
7	Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.	Proper drainage system will provide as per the rainfall data.
8	Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.	Noted
9	Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.	We will construct Gabion wall and store overburden properly at the dumping site.
10	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.	Vibration study will be conducted
11	Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.	Photographs of the progress of compensatory afforestation will be submitted in next HYCR.
12	Implementation of CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.	Noted. CER will be implemented within the first 2 Years
13	The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.	The haulage road will be continuously maintained well with frequent sprinkling.
14	Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).	Desiltation of Garland drain, silt-traps, siltation ponds and outflow channel will be done periodically.
15	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.	Noted for compliance and we will scrupulously follows the directions contained.

16	Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).	To avoid the traffic conjunctions, transportation of mined materials will not be done in peak hours.
17	Adequate sanitation, waste management and rest room facilities should be provided to the workers.	This facilities will be provided to the workers.
18	Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.	We will implement solar power stations for street lights and office to conservation for adequate energy.
19	The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.	Noted
20	Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.	Avenue trees will be planted on both sides of haulage road.
21	Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.	Adequate measures will be adopted to harvest rain water.
22	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.	Noted for compliance and we will scrupulously follows the directions contained. The working of the quarry not yet started.
23	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.	Noted.

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.	We adopted NONEL Blasting Technology to reduce the vibration on ground as per the recommendation from DMG and SEIAA
25	As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16 th 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.	Noted for compliance and we will scrupulously follow the directions contained. The working of the quarry is just beginning. The reclamation will be started gradually and the benches will be reclaimed with planation, flora, fauna etc.
26	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.	We assure that all the quarrying activities will be carried out as per the EC conditions

3.GENERAL CONDITIONS

Table 3. GENERAL CONDITIONS

Sl. No	General Conditions	Compliance Status
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	An assurance in the form of affidavit stating that all the conditions stipulated in the EC will be scrupulously followed and was submitted to SEIAA Kerala
2	All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.	☐ Environment Clearance from SEIAA ☐ Quarrying Permit from Department of Mining and Geology, Ernakulam ☐ NOC from Explosive Dept. ☐ D&O License from the LSGD ☐ Consent from Kerala State Pollution Control Board
3	The project proponent should advertise in newspapers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in . The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	The project was advertised in widely circulated local newspapers in that region.

PUBLIC NOTICE

This is inform to the general public that the proposed Quarry project at block no: 13 survey no: 175/7-1, 175/7-2, 174/1 of Kalayapuram Village, Mylom Panchayat, Kottarakkara Taluk, Kollam District, Kerala, developed by G.Raju, Gayathribhavan, Mylamkulam, Puthoor (PO), Kottarakkara, Kollam is accorded with Environment Clearance no: 142/Q/2024 dated 27.06.2024 and the copy of the environment clearance is available with the office of the Kerala (SEIAA) and may also be seen on the website of the authority of www.seiaakerala.in

നോട്ടീസ്

പൊതുജന ശ്രദ്ധയ്ക്കായി കേരള സംസ്ഥാനം കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ കലയപുരം വില്ലേജിൽ ബ്ലോക്ക് നമ്പർ 13 റീസർവ്വേ നമ്പർ 175/71, 175/72, 174/1ൽ പാറ ഖനനം ചെയ്യുന്നതിന് വേണ്ടി പരിസ്ഥിതി അനുമതി ജി. രാജു, ഗായത്രി ഭവൻ മൈലംകുളം പുത്തൂർ പി.ഒ കൊട്ടാരക്കര എന്ന വ്യക്തിക്ക് കേരള സ്റ്റേറ്റ് ലൈവൻ എൻവിറോൺമെന്റൽ ഇംപാക്ട് അസസ്മെന്റ് അതോറിറ്റിയിൽ കേരളയിൽ നിന്നും ഓഡർ നമ്പർ 142/Q/2024 Dt 27.06.2024 പ്രകാരം അനുമതി ലഭിച്ചിരിക്കുന്നു. ഈ ഓഡറിന്റെ പകർപ്പ് കേരള സ്റ്റേറ്റ് ലൈവൻ എൻവിറോൺമെന്റിൽ ഇംപാക്ട് അസസ്മെന്റൽനിന്നും ലഭ്യമാണ് കൂടാതെ www.seiaakerala.in എന്ന വെബ്സൈറ്റിൽ കൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

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The proponent shall send a copy of the EC to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom Suggestions/representations, if any, were received while processing the proposal. The

Complied

5

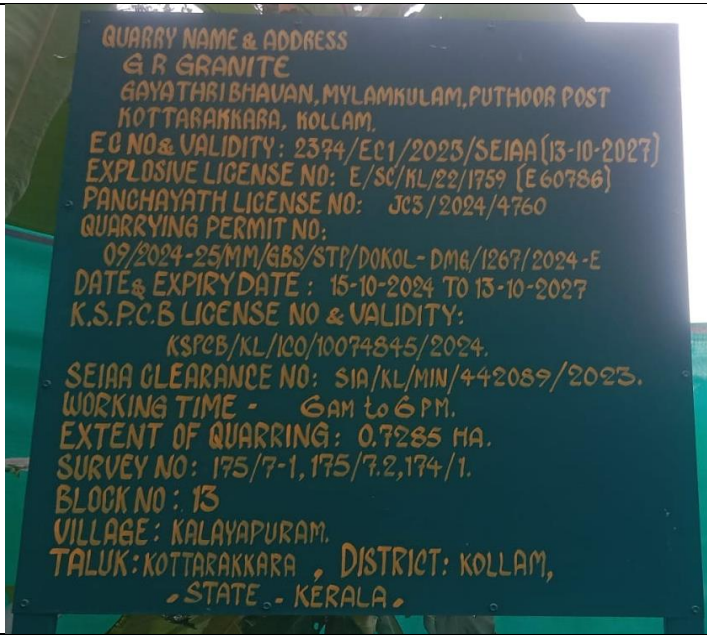
The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times

To demarcate the lease area and to prevent falling of animals/ human being / dumping of garbage etc, we installed barbed metal wire fencing around the lease area.

6

The details of Environmental Clearance should be prominently displayed in a metallic board of 3ft x 3ft 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.

A display board showing all the details about the project and EC provided in the quarry site.

		
7	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.	Magazine keep at an isolated area. Mats were adopted to reduce fly rock blasts when quarrying operations started.
8	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.	As per the stipulation of Explosive department, we installed siren as warning alarm in the quarry site. Siren rang before the blasting time in order to give warning to the workers and public. The blasting timings are displayed in the prominent area by way of caution board
9	Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.	We provided black topping in access roads to the quarry site to reduce dust emissions during transportation of materials. The transportation of minerals done in covered trucks to contain dust emissions. We followed the same as per the directions contained
10	A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report	To monitor all conditions stipulated in the Environment Clearance and Environment Management Plan, we constituted an Environment Monitoring Cell including the members as per the directions of SEIAA. The EMC conducted atleast once in every month and review the activities and Environment Management Cell minutes included in the compliance report

11	Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby	We assure that all the quarrying activities will be carried out as per the Approved Mining Plan and strictly follows all the Kerala Minor Mineral Concession Rules 2015 and amendments thereby
12	The quarrying operation shall be restricted between 7AM and 5PM	The working time of the quarry will be restricted between 7 AM and 5PM
13	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	We have constructed rain water harvesting pond of in the project area to collect rain water and utilize in the project area itself for dust suppression and green belt development. We will install solar street lights in the respective quarry site.
14	Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.	We assure that, the maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining shall not be deeper than the local ground water table. No mining operations shall not be carried out at places having a slope greater than 45°
15	The height of any bench shall not exceed five meters and breadth shall not be less than the height.	The quarrying activities will be progressing only by creating benches of 5m width and 5m height. The formation of benches is under the direction and supervision of competent person
16	The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken	We assure that, no perennial or intermittent natural water course or water resources are obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
17	A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.	We will maintain 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 units and 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 recommendation of SEAC depending on specific local conditions.

18	The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent.	Green belt raised by planting native species and for more soil stability more deep rooted trees, shrubs will be planted to protect the soil slope. Phase wise development in the areas of plantation including rate of growth, survival rate etc., will be recorded systematically and also proper caring of plantations shall be ensured during the non-monsoon (summer) seasons. We assure that, as a compensation of loss of trees in the core area we will be planting 5 times of the loss of trees that has occurred and follow planting measures suggested by SEAC. We will be Properly upkeep and maintain planted seedlings. The compliance of the same will be incorporated in Half Yearly Compliance Report.
19	The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants.	Green belt raised by planting native species and for more soil stability more deep rooted trees, shrubs will be planted to protect the soil slope. Phase wise development in the areas of plantation including rate of growth, survival rate etc., will be recorded systematically and also proper caring of plantations shall be ensured during the non-monsoon (summer) seasons. We assure that, as a compensation of loss of trees in the core area we will be planting 5 times of the loss of trees that has occurred and follow planting measures suggested by SEAC. We will be Properly upkeep and maintain planted seedlings. The compliance of the same will be incorporated in Half Yearly Compliance Report
20	Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions	The eco-restoration including the mine closure plan will be done at own cost of the Project Proponent. This eco restoration will follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystem. The top soil excavated from the quarry subsequently will be utilized in spreading over reclamation areas for plantation. Over burden will be utilized for reclamation of mined pit as per mine closure plan/specific conditions
21	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in	At the time of closure of the mine, it shall ensure that directions contained are scrupulously followed.

	the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	
22	Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	Limited the operation of quarry in specific time only as directed by the KSPCB and will be following the directions and complying them. The following control measures will be undertaken to bring down the noise levels: - • Proper maintenance of machinery equipment's and improvement of design of machines. • Personal protective Devices i.e, earmuffs, helmet, and boots etc. will be provided to workers. The mining activities will be done only during Day time. Noise level at the quarry site will be checked periodically, monitored through a NABL accredited laboratory during the quarry in operation.
23	Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.	Noted for Compliance and Scrupulously follows the directions contained.
24	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.	We assure that we will be maintaining the speed of our trucks limited as per the prescribed standards to prevent undue noise from empty trucks
25	Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standard limit indicated by CPCB/KSPCB.	We will be providing Acoustic enclosures to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB
26	Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise/ control the blasting operations.	Blasting will be done in a controlled manner as specified by the regulations of Explosives Department. Obtained Explosive license and scrupulously follows the guideline stipulated. Copy of the same attached as Annexure 02 .
27	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.	We will take appropriate steps to reduce the sound by employing possible measures. Noise Monitoring Lab results are attached as Annexure 05

28	Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project	Scrupulously follows the directions contained
29	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly compliance reports to SEIAA.	The report of water quality will be given to the SEIAA in every six months
30	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps, to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.	Garland drains with silt traps will be suitably constructed all along the periphery of the pit area, to collect the run-off from the quarry area and to divert storm water pond/tanks proposed within the complex. • Appropriate channelization of storm water with channels of sufficient width will be constructed. • All measures will be taken not to disturb the existing drainage pattern adjacent to the other property. • De-siltation traps and storm water collection ponds will be constructed for silt removal. • The storm water collected from the quarry area will be utilized for dust suppression on haul roads, plantation within the premises, etc. • Check dams and collecting channel will be constructed all around at the foot of the hill to prevent soil erosion during the monsoon season and also to collect the storm water for various use within the quarry area. • Blast residues from explosives will be managed by ensuring that all material is ignited during the blasting process.
31	Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	We assure that, we will be carrying out regular monitoring of ground water level and its quality around the mine area during mining operation. The report of water quality will be given to the SEIAA in every six months.

32	Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB	We are very conscious to prevent all quarry waste to enter in the public drainage or stream. Garland drains with silt traps were suitably constructed all along the periphery of the pit area, to collect the run-off from the quarry area and divert into the storm water pond/tanks proposed within the complex. • Appropriate channelization of storm water with channels of sufficient width. • All measures will be taken not to disturb the existing drainage pattern adjacent to the other property. • De-siltation traps and storm water collection pond will be constructed for silt removal. • The storm water collected from the quarry area will be utilized for dust suppression on haul roads, plantation within the premises, etc. • Construction of check dams and collecting channel all around at the foot of the hill to prevent soil erosion during the monsoon season and also to collect the storm water for various use within the quarry area. • Blast residues from explosives will be managed by ensuring that all material is ignited during the blasting process.
33	In the case of any change(s) in the scope of the project, extent, quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which the E.C was issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.	The company shall abide by the directions of SEIAA Kerala. The project is progressing as per the plan submitted in approved mining plan and as per Environmental Management Plan. The project will seek for a new Environmental clearance in the case of any changes in the scope of the project.
34	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	We will comply with the stipulations by statutory authorities under different acts and notifications including the provision of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment Protection Act, 1986, The Public Liability (Insurance) Act, 1991 and EIA Notification, 2006

35	The top soil, if any, shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.	The temporarily stored topsoil will be used for land reclamation and plantation purpose only. It will be ensured that the dump site where over burdens are stored will be maintained at 45° of slope. To prevent the soil erosion, the top soil and overburden will be stacked in designated place within the project site. Topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction
36	All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.	We assure that, mining equipments used in mining like back hoe loaders and excavators will be serviced regularly and maintained for their efficient functioning and for reducing pollution. Spent Oil will be disposed through the authorized recyclers
37	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area.	The vehicles used within mines have PUC certificate. As part of reduce air pollution, we will monitor the pollution level of all vehicles playing in the project site at regular intervals. This monitoring conducts only in authorized pollution testing center.
38	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of 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.	Effective safeguard measures will be adopted in critical areas that are prone to air pollution. Also will place water sprinklers in critical area to reduce the dust emission. Ambient Air Quality monitoring will be done according to the norms of CPCB will be followed in loading – unloading points and transfer points.
39	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.	Water spraying arrangement on haul roads, loading and unloading at transfer points will be properly maintained.

40	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure	Noted for compliance and we will scrupulously follow the directions contained. The respective project site not yet started. So, we assure that, the activities proposed for CER will be implemented in a time bound manner and implementation of the same along with documentary proof provided along with Half Yearly Compliance Report.
41	The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying/Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment's such as ear muffs, helmets etc and implementing all the provisions of labor laws applicable from time to time quarrying /mining operation.	Scrupulously follows all the directions contained. The workers on the site will be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment's such as ear muffs, helmets etc and implementing all the provisions of labor laws applicable from time to time quarrying /mining operation.
42	The proponent has to provide insurance protection to the worker's in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.	Scrupulously follows all the directions contained
43	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. These report of health surveillance programme should be included in the half yearly compliance reports	A health surveillance program of the workers will be undertaken periodically after the quarrying work started and report of health surveillance programmers will be included in half yearly compliance report
44	The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco friendly manner.	Scrupulously follows all the directions contained
45	If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.	The land is private owned land.
46	Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure , will lead to suspension of all EC obtained for mining by the Proponent	Noted
47	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms	Noted

48	The proponent shall submit Half Yearly Compliance Reports (1st of June & 1st of December) on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31st March every year.	The compliance report will be submitted along with the results of monitored data to the State Environmental Impact Assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore both in hard copy as well as soft copy through mail. Copy of EC and Half yearly compliance report will be displayed in our website www.rajugranites.com
49	The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.	We will extent all possible cooperation to the officers form regional office of MoEF & CC and can produce all data/information/reports when they ask for.
50	The above conditions shall prevail notwithstanding anything to the contrary, inconsistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	We will give priority to the conditions stipulated in the Environment Clearance Order for execution.
51	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environment Clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Scrupulously follows all the directions of SEIAA Kerala
52	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.	Noted
53	The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.	Noted
54	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010.	There is no appeal against EC

55	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986	Such a situation will never come across. The Condition is noted for compliance
56	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.	We are willing to implement the conditions stipulated in the Environment Clearance order. The project will be executing all possible measures in the project site for the conservation of environment. The conditions of SEIAA will be strictly followed
57	As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the height	Scrupulously follows all the directions contained

Annexures

ANNEXURE 1

Environmental Clearance

ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), KERALA)

To,

The -1
RAJU GANGADHARAN
Gayathri Bhavan,
Mylamkulam,
Puthoor (P O),
Kulakkada, Kottarakkara, -691507

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/KL/MIN/442089/2023 dated 28 Aug 2023. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC24B001KL159279 |
| 2. File No. | 2374/EC1/2023/SEIAA |
| 3. Project Type | New |
| 4. Category | B |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Granite Building Stone Quarry of Mr. G.
Raju |
| 7. Name of Company/Organization | RAJU GANGADHARAN |
| 8. Location of Project | KERALA |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 27/06/2024

(e-signed)
Dr Rathan U kelkar IAS
Member Secretary
SEIAA - (KERALA)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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सत्यमेव जयते

**PROCEEDINGS OF THE
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY – KERALA, THIRUVANANTHAPURAM**

*(Present : Dr.H.Nagesh Prabhu IFS (Retd), Chairman,
Shri.K.Krishna Panicker, Member, Dr.Rathan U.Kelkar IAS, Member Secretary)*

**Sub: - Environmental Clearance for the Granite Building Stone Quarry of Sri.G. Raju,
Gayathri Bhavan, Mylamkulam, Puthoor (P .O), Mylom Kottarakkara, Kollam
Granted– Orders issued.**

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

Proposal No. SIA/KL/MIN/442089/2023

File No. 2374/EC1/2023/SEIAA

- Ref:
- 1.Application for EC received from Sri. G. Raju on 28th August 2023
 2. Minutes of the 161st SEAC meeting held on 13th, 14th and 15th March 2024
 3. Minutes of the 141st meeting of SEIAA held on 29th & 30th April 2024

ENVIRONMENTAL CLEARANCE NO. 142 /Q/2024

Sri. G. Raju, Gayathri Bhavan, Mylamkulam, Puthoor Post, Kottarakkara, Kollam, 691507 submitted an application for Environmental Clearance for the Granite Building Stone Quarry project for an area of 0.7285 Ha at Block No. 13, Re-Survey Nos. 175/7-1, 175/7-2, 174/1 in Kalayapuram Village, Kottarakkara Taluk, Kollam.

I. PROJECT DETAILS

Sl.No	Particulars	Details
1	Name of the Project	Granite Building Stone Quarry Project of Sri. G. Raju
2	Proposed Activity	Mining of Granite Building Stone
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Non Coal mining, Activity 1(a), Category B2
4	Name & Address of the Project Proponent	Sri. G. Raju, Gayathri Bhavan, Mylamkulam, Puthoor Post, Kottarakkara, Kollam.691507
5	Project Location	
	a) Block No.	13
	b) Re-Survey Nos.	175/7-1, 175/7-2, 174/1
	c) Village	Kalayapuram
	d) Taluk	Kottarakkara
	e) District	Kollam
6	Extent (in Hectare)	0.7285 Ha
7	Expected Project Cost	1,05,00,000 ₹
8	Mineable Reserve	The Mining & Geology Department shall re-assess the mineable quantity as per Specific Condition No.(3)

II. ENVIRONMENT MANAGEMENT PLAN (BUDGET)

Items	Solution	Capital Cost	Maintenance Cost
Noise Pollution	Rotation of job for workers, Greenbelt development, filter masks, ear protection devices	1,10,000	40,000
Air Pollution	Developed roads, wet drilling, frequent sprinkling of water, Greenbelt development, Polyethylene sheet	3,25,000	75,000
Water Pollution	Garland Drains, water storage tank, waste tank, check dams, silt traps	3,25,000	75,000
Greenbelt Development	Sapling, Compensatory Afforestation	1,50,000	60,000
Solid waste and Domestic effluent	Compost, Septic tank	2,00,000	60,000
Prone to fire	Fire extinguishers	35,500	10,000
Reclamation and Rehabilitation	Refilling the mined out area	3,00,000	75,000
Sub Total		14,45,500	4,10,000
Total		18,55,500 ₹	

III. CER ACTIVITIES PROPOSED

Year	Particulars	Implementation cost
First Year	Construction of Protection wall for 14 th No- Anganawadi in ward No.2 in Mylom Panchayat, Kollam District. <u>Estimation</u> Earth work for foundation – Rs 5,000/- R.R Mansonry work-Rs 1,89,900/- Bricks Masonry work-Rs 1,05,100/-	3,00,000/-
Grand Total		3,00,000/-

2 After due appraisal, in the 161st SEAC meeting, the Committee recommended EC for a mine life of 3years subject to certain Specific Conditions in addition to the General Conditions.

3. In the 141st meeting, The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 1, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. The Authority also noticed that, after the due appraisal, the SEAC in its 161st meeting, recommended EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 3 (three) years, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 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.*

3. *The ultimate depth of mining should be limited to 55 m above MSL to prevent intersection with ground water table 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.*
4. *A buffer distance of 50m should be maintained between the mine boundary and the nearest building/built structure.*
5. *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), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
6. *Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
9. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
10. *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.*
11. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*

12. *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.*
13. *The haulage road should be provided with sprinkling facility to prevent dust pollution.*
14. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
15. *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.*
16. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
17. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
18. *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*
19. *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.*
20. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
21. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
22. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
23. *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.

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.

25. 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.

26. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

4. Environmental Clearance as per the EIA Notification, 2006 is hereby accorded for the Granite Building Stone Quarry Project of Sri. G. Raju, Gayathri Bhavan, Mylamkulam, Puthoor Post, Kottarakkara, Kollam, for an area of 0.7285 Ha at Block No. 13, Re-Survey Nos. 175/7-1, 175/7-2, 174/1 in Kalayapuram Village, Kottarakkara Taluk, Kollam, for a period of 3 year from the date of execution of valid mining lease/permit from the Department of Mining and Geology as per S.O.1807 (E) dated.12.04.2022 of MoEF&CC for the quantity reassessed by the Mining and Geology Department as per specific condition (3), subject to the Specific Conditions suggested

by SEIAA in Para 3 above, and all the environmental impact mitigation and management measures undertaken by the Project Proponent in the Form I, EMP, PFR and Mining Plan submitted to SEIAA. The assurances and clarifications given by the Project Proponent will be deemed to be a part of this Proceeding as if incorporated herein. Also the General Conditions for projects stipulated for mining (items 1 to 57), mentioned below will be applicable and have to be strictly adhered to.

5. 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 the mining features including 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 undertaken by the project proponent, as if incorporated herein.

6. Validity of the Environmental Clearance will be **for a period of 3 (Three) years**, from the date of execution of valid mining lease/ permit from the Department of Mining & Geology as per SO 1807(E) dated 12.04.2022 of MoEF &CC, subject to earlier review of EC in case of violation or non-compliance of any of the conditions, or genuine complaints from residents in the security area of the project.

7. Compliance with the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorised offices and also by the Regional Office of the Ministry of Environment, Forest & Climate Change, Govt. of India, Bangalore. Necessary assistance for entry and inspection should be provided by the Project Proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring. Instances of violation if any shall be reported to the **District Collector, Kollam** by the State Level Environment Impact Assessment Authority, Kerala.

8. The Half Yearly Compliance Report (HYCRs) with name of the project, EC No. and date, the period of submission with its contents, compliance report and environmental monitoring data & covering letter have to be uploaded in the PARIVESH Portal as per O.M.

F.No.IA3-22/1/2022-IA-III(E)-17264 dated 14.06.2022 and the website of the Project Proponent. Hardcopy of HYCRs shall not be acceptable.

9. The given address for correspondence with the authorised signatory of the project is Sri. G. Raju, Gayathri Bhavan, Mylamkulam, Puthoor Post, Kottarakkara, Kollam.691507

GENERAL CONDITIONS

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.*
2. *All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.*
3. *The project proponent should advertise in news papers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Level Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in. The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.*
4. *The proponent shall send a copy of the EC to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The Environmental Clearance shall also be uploaded on the website of the company.*
5. *The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.*
6. *The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times*

New Roman font size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.

- 7. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.*
- 8. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.*
- 9. Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.*
- 10. A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.*
- 11. Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby.*
- 12. The quarrying operation (blasting) shall be restricted between 7 AM and 5PM.*
- 13. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.*
- 14. Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.*
- 15. The height of any bench shall not exceed five meters and breadth shall not be less than the height.*
- 16. The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if*

any, originating from the mine lease shall be taken.

- 17. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.*
- 18. The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent.*
- 19. The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants.*
- 20. Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.*
- 21. At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.*
- 22. Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.*
- 23. Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.*

24. *Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.*
25. *Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standard limit indicated by CPCB/KSPCB.*
26. *Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise/control the blasting operations.*
27. *Measures should be taken for maintaining noise levels below 85 dBA in the work environment.*
28. *Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.*
29. *Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly compliance reports to SEIAA.*
30. *Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps, to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, and for green belt development etc. The drains shall be regularly desilted and maintained properly particularly after monsoon.*
31. *Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.*
32. *Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.*
33. *In the case of any change(s) in the scope of the project, extent, quantity, process*

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

- 34. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.*
- 35. The top soil, if any, shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.*
- 36. All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.*
- 37. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area. .*
- 38. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of PM₁₀ and PM_{2.5}. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.*
- 39. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and*

- unloading and at transport points should be provided and properly maintained.*
- 40. Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure .*
 - 41. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.*
 - 42. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.*
 - 43. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. The report of health surveillance programme should be included in the half yearly compliance reports.*
 - 44. The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco friendly manner.*
 - 45. If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.*
 - 46. Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure , will lead to suspension of all EC obtained for mining by the Proponent.*
 - 47. In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.*
 - 48. The proponent shall submit Half Yearly Compliance Reports (1st of June & 1st of December) on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall be simultaneously sent to the respective Regional Office of Ministry of*

Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31st March every year.

- 49. The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.*
- 50. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.*
- 51. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environment Clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.*
- 52. The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.*
- 53. The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.*
- 54. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.*
- 55. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.*
- 56. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.*
- 57. As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the height.*

Sd/-
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Sri. G. Raju
Gayathri Bhavan
Mylamkulam,
Puthoor Post
Kottarakkara
Kollam-691507

Copy to

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, IIBlock, Koramangala, Bangalore-560034. (through e-mail: rosz.bng-mefcc@gov.in)
2. The Secretary to Government, Environment Department, Government of Kerala.
3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
4. The District Collector, Kollam.
5. The Director, Directorate of Mining & Geology, Thiruvananthapuram
6. The Member Secretary, Kerala State Pollution Control Board
7. The District Geologist, Kollam.
8. The Environmental Engineer, KSPCB, Kollam.
9. The Tahsildhar, Kottarakkara Taluk, Kollam
10. The Secretary, Mylom Grama Panchayath, Kollam
11. The Chairman, SEIAA.
12. Website.
13. S/f
14. O/c

Signature Not Verified

Digitally signed by: Dr. Rathan U kelkar
IAS
Designation: Member Secretary
Date and Time: 6/27/2024 3:56:37 PM

ANNEXURE 2
Explosive License



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

संख्या (No.): E/SC/KL/22/1759(E60786)

दिनांक (Date): 09/08/2023

सेवा में | To,

Shri G.Raju,
Gayathri Bhavanam, Mylankulam, Puthoor Post, Kottarakkara, Kollam District -691507, Kerala State, Town/Village - Kollam
District-KOLLAM, State-Kerala, Pincode - 691507

विषय : Survey No.372/9,10 of Block No.10, ग्राम Puthoor (v) Kottarakkara TK, Kollam Dt, जिला KOLLAM, राज्य Kerala में मेसर्स Shri G.Raju द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1759(E60786) के संशोधन संदर्भ में।
(अखण्ड / सुविधाएं / परिसर में परिवर्तन)

Subject: Possession for Use of Explosives from magazine situated at Survey No.:372/9,10 of Block No.10, Puthoor (v) Kottarakkara TK, Kollam Dt, Dist. KOLLAM, Kerala - Licence No.: E/SC/KL/22/1759(E60786) granted in Form LE-3 of Explosives Rules, 2008 - (Amendment in Drawings/Facilities/Premises).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या 95412 दिनांक 09/08/2023 का संदर्भ ग्रहण करें।
Please refer to your letter no. 95412 dated 09/08/2023.

अनुज्ञप्ति संख्या E/SC/KL/22/1759(E60786) usage of Explosives at the Proposed Granite Building Stone Quarry Granted to the Licensee situated at Re. Survey No.175/7-1, 175/7-2 & 174/1, Kalayapuram Village, Kottarakkara Taluk, Kollam District, Kerala, wide the LOI No. 4204/DOQ/S2/2019 dated 01.06.2023, issued by Department of Mining & Geology, Kollam under the following conditions. 1.Opening of Mines should be intimated to DGMS and Director of Mines & Geology. 2.Blasting Operations should be conducted as per Mines Act & Rules. 3.Usage of Explosives to be as per Explosives Rules, 2008 and all records to be maintained as per the Explosives Rules, 2008. 4.All unused Explosives should be returned to Explosive magazine before Sunset. के संदर्भ में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SC/KL/22/1759(E60786) is forwarded herewith duly amended in respect of followings :

usage of Explosives at the Proposed Granite Building Stone Quarry Granted to the Licensee situated at Re. Survey No.175/7-1, 175/7-2 & 174/1, Kalayapuram Village, Kottarakkara Taluk, Kollam District, Kerala, wide the LOI No. 4204/DOQ/S2/2019 dated 01.06.2023, issued by Department of Mining & Geology, Kollam under the following conditions. 1.Opening of Mines should be intimated to DGMS and Director of Mines & Geology. 2.Blasting Operations should be conducted as per Mines Act & Rules. 3.Usage of Explosives to be as per Explosives Rules, 2008 and all records to be maintained as per the Explosives Rules, 2008. 4.All unused Explosives should be returned to Explosive magazine before Sunset..

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	Safety Fuse	6	1	0	2000	Mtrs
2	Nitrate Mixture	2	0	0	100	Kg.
3	Electric Detonators	6	3	0	2000	Nos.
4	Ordinary Detonator	6	3	0	2000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) : 20 गुना

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

यह अनुज्ञप्ति दिनांक 31 मार्च 2028 तक प्रवृत्त रहेगी।

This Licence shall remain valid till 31st day of March 2028.

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

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

भवदीय | Your's faithfully

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

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives

दक्षिणांचल, चेन्नै | South Circle, Chennai

प्रतिलिपि प्रेषित | Copy Forwarded to:

- उप मुख्य विस्फोटक नियंत्रक कोची
The Dy. Chief Controller of Explosives, Kochi
- District Magistrate, KOLLAM, Kerala with reference to his Noc No: A31541/08/M7 Dated: 05/02/2011
- Superintendent of Police, KOLLAM, Kerala.

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives

दक्षिणांचल, चेन्नै | South Circle, Chennai

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

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

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

अनुज्ञापि सं. (Licence No.) : E/SC/KL/22/1759(E60786)

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

1. Licence is hereby granted to

Shri G.Raju (अधिभोगी / Occupier : G.Raju), Gayathri Bhavanam, Mylamkulam, Puthoor Post, Kottarkkara ,Kollam District -691507,
Kerala State, Town/Village - Kollam, District-KOLLAM, State-Kerala, Pincode - 691507



को अनुज्ञापि अनुदत्त की जाती है।

2. अनुज्ञापिधारी की प्राप्ति | Status of licensee : Individual

3. अनुज्ञापि निम्नलिखित प्रयोजनों के लिए विधिमन्य है।

Licence is valid only for the following purpose.

possess for use of Safety Fuse, Nitrate Mixture, Electric Detonators, Ordinary
Detonator, - के उपयोग के लिए

4. अनुज्ञापि विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमन्य 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.	Electric Detonators	6 ,3	0	2000 Nos.
3.	Ordinary Detonator	6 ,3	0	2000 Nos.
4.	Safety Fuse	6 ,1	0	2000 Mtrs

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञापि के लिए]

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

20 times
as above.

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

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

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1759(E60786)

दिनांक (Dated) 09/08/2023

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

Survey No. 372/9,10 of Block No.10 , ग्राम (Town/Village) : Puthoor (v) Kottarakkara TK, Kollam Dt
पुलिस थाना (Police Station) : Puthoor

जिला (District)	KOLLAM	राज्य (State)	Kerala	पिनकोड (Pincode)	691507
दूरभाष (Phone)	9947838821	ई.मेल (E-Mail)		फैक्स (Fax)	

7. अनुज्ञापि परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

: Two mini magazines of stone masonry construction

8. अनुज्ञापि समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।

Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

2. अनुज्ञापि प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापि 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 अनुज्ञापि तारीख 31 मार्च 2028 तक विधिमन्य रहेगी। This licence shall remain valid till 31st day of March 2028.

यह अनुज्ञापि, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञापि की शर्तों का अधिक्रमण करने या यदि अनुज्ञापि 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 - 08/08/2023

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

Amendments :

- Amendment in Drawings/Facilities/Premises dated : 09/08/2023

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry

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

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

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

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

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/1759(E60786) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1759(E60786) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

- परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
- विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
- मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट है, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु –
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.
(f) Gun powder belonging to Class 1 shall be kept separately.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लाइसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिन्ह प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
- मैगजीन के भीतरी भाग या उसमें लगी बेंचें, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचें, शेल्फें और फिटिंग यथासाध्य ग्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बांधेकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।
The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from;
Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.
- यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञप्तिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञप्तिधारी द्वारा पश्चात्कर्त्त प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता :
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभार्य होगा :
परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है।
If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory:
Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :
Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.
- उपयुक्त तथा जब रहित कार्यकरण वस्त्रों, उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वर्जित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :
परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिससे भिन्न कोई विस्फोटक नहीं रखा गया है।
Due provisions shall be made, by the use of suitable working clothes without pockets, suitable shoes and by searching or otherwise or by such means, for preventing the introduction into danger area of the factory premises of fire, Lucifer matches or any substance or article likely to cause explosion or fire, but this condition shall not prevent the introduction of an artificial light of such construction, position or character as not to cause any danger of fire or explosion:
Provided that so much of this condition as applies to the exclusion of iron or steel, shall not be obligatory in a building in which no explosive other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.

11. अनुज्ञापितधारी प्ररूप आर.इ.-3 और आर.इ.-4 या आर.इ.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टॉक पुस्तक और अभिलेख प्रस्तुत करेगा। स्टॉक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी।
The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.
12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञापितधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करें।
No changes or alterations shall be carried out to the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.
13. मैगजीन सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी)। यदि किसी कारणवश किसी विस्फोटक के भण्डारण के लिए मैगजीन अनुपयुक्त हो जाती है तो अनुज्ञापितधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा।
Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever.
मैगजीन का अनुज्ञापितधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरणी प्रस्तुत करेगा।
The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी।
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी।
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकेजों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके।
The explosive packages shall be stocked in such a way so as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.
तड़ित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओह्म से अधिक नहीं होगा।
The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.
17. विस्फोटक के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी।
A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.
18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।
Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
20. विस्फोटकों के खाली पैकेजों को शीघ्रतिथी वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा।
Empty packages of the explosives shall be removed at the earliest and destroyed.
21. अनुज्ञापितधारी और कर्मचारियों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
22. निरीक्षण या नमूना अधिकारी को सभी युक्तियुक्त समयों पर अनुज्ञापन परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।
Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञापितधारी को अनुज्ञापन परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञापितधारी सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the license shall execute the recommendations and report compliance within the period specified by such authority.
24. अनुज्ञापितधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञापन फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पल्लोते खरीदेगा।
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए –
(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए1) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;
(ख) श्रृंखला (जुड़े हुए पटाखे) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग₁₀(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे;
The possession and sale of fire-crackers generating noise level exceeding;
a) 125 dB(A) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log₁₀ (N) dB, where N = number of crackers joined together.
26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।
Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञापितधारी विदेशी मूल के आतिशबाजी को न प्रदर्शित करेगा, न रखेगा और न ही उसकी बिक्री करेगा। The licensee shall not exhibit, possess and sell fireworks of foreign origin.

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

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

Form DE-2
(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the licence)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/KL/22/1759(E60786) in form LE-3 granted to Shri G.Raju, Gayathri Bhavanam, Mylamkulam, Puthoor Post, Kottarkkara ,Kollam District -691507, Kerala State, Kerala-691507 .

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)		M	UM
1	Room or Workshop used in Connection with the Magazine	11	17
2	Any other Explosives Magazine or store House or Factory of the Applicant		
3	Magazine Office		
Middle Safety Distances(MSD)			
4	Magazine Keeper's or Chowkidar's Dwelling house		
5	Railway including Minerals and Private Railways		
6	Canal (in active use) or other navigable water		
7	Dock or Pier or Jetty		
8	Public Highway or Public Road		33
9	Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory		
10	River Embankment or Sea Embankment or Public Well		
11	Reservoir or Bounded tank/rope way		
12	Windmillor or Solar panel for Power Generation		
Outside Safety Distances(OSD)			
13	Dwelling House		
14	Govt. and Public Building		
15	Temple, Mosque, Church or Gurudwara or other Places of Worships		
16	Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, Cinema or other Building where the public are accustomed to assemble		
17	Factory		
18	Buildings or Works used for the Storage in Bulk of Petroleum, Sprit, gas, or other inflammable or hazardous substances		45
19	Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives		
20	Aerodrome		
21	Furnace, Kiln or Chimney		
22	Quarry or mine pit head		
23	Power House or Electric Substation		
24	Wireless Station		
25	Warehouse or other Storage Building		
26	Any other Protected works		
Overhead Electric lines			
27	Electric Power over head Transmission Lines above 440V		45
28	Electric Power over head Transmission Lines upto 440V		15

The Date : 08/08/2023

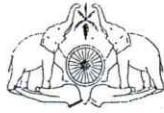
For Joint Chief Controller of Explosives
South Circle, Chennai

Amendments :

- Amendment in Drawings/Facilities/Premises dated : 09/08/2023

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

ANNEXURE 3
Panchayat License



മൈലം ഗ്രാമപഞ്ചായത്തിൽ നിന്നും

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

അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച്

ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന

ലൈസൻസ്

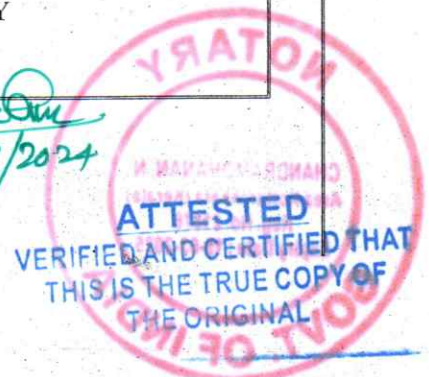
നമ്പർ : JC3/2024/4760

തീയതി : 11/09/2024

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ജി രാജു, ഗായത്രി ഭവനം, മൈലംകുളം, പുത്തൂർ പി.ഓ	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	GRANITE BUILDING STONE QUARRY PROJECT OF MR.G RAJU, കലയപുരം	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറഖനനം ചെയ്യുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	175/7-1, 175/7-2, 174/1	
ലൈസൻസ് കാലയളവ്	10/09/2024 മുതൽ 31/03/2025 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	10000 /- രൂപ	രസീത് നം: 1240101369 തീയതി: 10/09/2024
തൊഴിൽക്കരം	2500 /- രൂപ	രസീത് നം: 1240101369 തീയതി: 10/09/2024
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	1) കേരള സ്റ്റേറ്റ് പൊലിഷൻ കൺട്രോൾ ബോർഡിന്റെ 28/08/2024 നിരാക്ഷേപ പത്രം (NO: K9SPCB/K/ICO/10074845/2024, കാലാവധി 30/06/2027) 2) കൊല്ലം ജില്ലാ മൈനിംഗ് ആന്റ് ജിയോളജി വകുപ്പിന്റെ 01/06/2023 ലെ കത്ത് NO-4204/DOQ/S2/2019 3) KERALA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY യുടെ 27/06/2024 ലെ സാക്ഷ്യപത്രം EC Identification number-EC24B001KL159279, കാലാവധി 3 വർഷം 4) 09/08/2023 Licence NO-E/SC/KL/22/1749(E60786) Explosive സർട്ടിഫിക്കറ്റ്, കാലാവധി 31/03/2028 5) 17/03/2021 ലെ വസീദ് എന്ന വ്യക്തിയുടെ CER NO-FUE/1806 FORMAN CERTIFICATE OF COMPETENCY 6) സർവ്വേ മാപ്പ് 7) ലൊക്കേഷൻ സ്കെച്ച്	



CHANDRA MOHANAN. N.
 ADVOCATE & NOTARY (Govt. of India)
 Roll No. K/586/98 & Reg. No. 21876
 Kottarakkara, Kerala-691 506
 e-mail: advchandramohan64@gmail.com
 Mob: 9447744575



ലൈസൻസി താഴെപ്പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

1. കേരള പഞ്ചായത്ത് രാജ് ആക്ടും അതേതുടർന്നുള്ള ചട്ടങ്ങളും ബൈലോകളും അനുസരിച്ച് പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽസ്ഥലവും അതിലുള്ള സാധനസാഗ്രികളും പഞ്ചായത്ത് അധികാരികൾക്കോ / സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യങ്ങൾ നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതാകുന്നു.
3. ഏതു സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്കവിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശ്യവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വെച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽനിന്നും അനുവാദം സിദ്ധിച്ച ശേഷമല്ലാതെ തൊഴിൽസ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതാകുന്നു.
5. തൊഴിൽസ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യവഹാരത്തിനു വെച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഏതൊരു പ്രവൃത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റു പദാർത്ഥമോ ശേഖരിച്ച് സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുമരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപ്പറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിചുറ്റിപ്പിടയ്ക്കുന്ന ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ ചപ്പുചവറോ അസഹ്യവും ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുമ്പോൾ തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാടു തീർത്തു നിലനിർത്തേണ്ടതാണ്.
9. ലൈസൻസി മേൽപ്പറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടുചേർന്നുള്ള ഏതൊരു ഓവറാലും അഴുക്കലും കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്തു വെച്ചിരിക്കേണ്ടതാണ്.
10. അധിതരും ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദ് ചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള തപൽ രോഗമോ കഷ്ടരോഗമോ, വ്രണമോ പകർച്ചവ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങൾ ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ പാടില്ല.
13. സ്ഥലം നഗരത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സിറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയിലെറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ക തുടങ്ങിയവ സംഭരിച്ചു വെക്കുന്നതോ വിൽക്കുന്നതോ പാടില്ല.
16. ബാലവേല അനുവാദിക്കുവാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യുന്നതിന് കാരണമാകാവുന്നതാണ്.
18. പൊതുഭരണവകുപ്പിന്റെ 13-06-2020ലെ സ.ഉ. (സാധാ) 1877/2020/പൊ.ഭ.വ. ഉത്തരവ് പ്രകാരമുള്ള കോവിഡ് പ്രൊട്ടോക്കോൾ പാലിക്കണം.
19. തദ്ദേശ സ്വയം ഭരണ വകുപ്പിന്റെ 22-07-2017ലെ സ.ഉ.(സാധാ) 2511/2017/ത.സ്വ.ഭ.വ. പ്രകാരമുള്ള ഉറവിട മാലിന്യ സംസ്കരണ സംവിധാനം സ്ഥാപിക്കണം.
20. മറ്റ് വകുപ്പുകളിൽ നിന്നും അനുവദിച്ചിട്ടുള്ള പെർമിഷൻ, ലൈസൻസ്, മറ്റ് ക്ലിയറൻസുകൾ എന്നിവ അതത് സമയങ്ങളിൽ പുതുക്കേണ്ടതാകുന്നു. അല്ലാത്ത പക്ഷം പഞ്ചായത്ത് അനുവദിച്ചിട്ടുള്ള ലൈസൻസ് സ്വയേയാ റദ്ദാകുന്നതാണ്.
- 21.

(ഒപ്പ്)
സെക്രട്ടറി
മൈലം ഗ്രാമപഞ്ചായത്ത്

NB. ഈ ലൈസൻസ് ഡിജിറ്റലായി ഒപ്പ് വെച്ചിട്ടുള്ളതാണ് ആയതിനാൽ പ്രത്യേകമായ ഒപ്പും സീലും ആവശ്യമില്ല. ഈ ലൈസൻസ്

CHANDRA MOHANAN N.
Area Kottarakkara (Kerala)
Reg. No. 21876
Expiry Date : 15-03-2025

CHANDRA MOHANAN. N.
ADVOCATE & NOTARY (Govt. of India)
Roll No. K/586/98 & Reg. No. 21876
Kottarakkara, Kerala-691 506
e-mail: advchandramohanann64@gmail.com
Mob: 9447744575

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VERIFIED AND CERTIFIED THAT
THIS IS THE TRUE COPY OF
THE ORIGINAL

സെക്രട്ടറി
മൈലം ഗ്രാമപഞ്ചായത്ത്

Document certified by RANI L V
<AISURANISAJEEV@GMAIL.COM>

Digitally signed by RANI L V
Date: 2024.09.11 11:48:18 IST
Reason: ILGMS Govt. of Kerala



Chandra Mohanan N. N.
11/09/2024

CHANDRA MOHANAN. N.
ADVOCATE & NOTARY (Govt. of India)
Roll No. K/586/98 & Reg. No. 21876
Kottarakara, Kerala-691 506
e-mail: advchandramohanann64@gmail.com
Mob: 9447744575

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Vol. No. <u>V</u>	Page No. <u>53</u>
Sl. No. <u>698</u>	Date <u>11/09/2024</u>

ANNEXURE 4
Consent from KSPCB

FILE NO : KSPCB/KL/ICO/10074845/2024

Date of issue : 28-08-2024



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. : 10074845

Dated : 16-08-2024

To

**GRANITE BUILDING STONE QUARRY PROJECT OF Mr .G.RAJU
VAIKKAM MUKKU, KALAYAPURAM P.O, KOTTARAKKARA, KOLLAM-691560**

Consent No. : KSPCB/KL/ICO/10074845/2024

Valid Upto : 30-06-2027

1. GENERAL

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

1	VALIDITY	30-06-2027
2	Name and Address of the establishment	GRANITE BUILDING STONE QUARRY PROJECT OF Mr .G.RAJU VAIKKAM MUKKU, KALAYAPURAM P.O, KOTTARAKKARA, KOLLAM-691560 E-Mail : ajay5978puthoor@gmail.com Contact Number : 9947838821
3	Occupier Details	G RAJU GAYATHRI BHAVAN, MYLAMKULAM, PUTHOOR P.O, KOTTARAKKARA, KOLLAM- 691507 E-Mail : ajay5978puthoor@gmail.com Contact Number :
4	Local Body	MYLOM GRAMA PANCHAYATH
5	Survey Number	175/7-1, 175/7-2, 174/1
6	Village	Kalayapuram
7	Taluk	Kottarakkara
8	District	KOLLAM
9	Capital Investment(Rs in Lakhs)	105.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	25000.0
	Total Fee remitted(Rs)	75000.0
13	Activity	QUARRY UNIT (0.7285 HECTARES OF LAND) - 185132.50 Metric Tonnes
14	Machinery details	NIL

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 :300 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 lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

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, 2016

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.4204/DOQ/S2/2019 dated 01.06.2023 of Mining & Geology Department and Environment clearance certificate No:142 /Q/2024 dated 27.06.2024 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 RACHEL THOMAS
Date: 2024.08.28 13:29:05 IST

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER

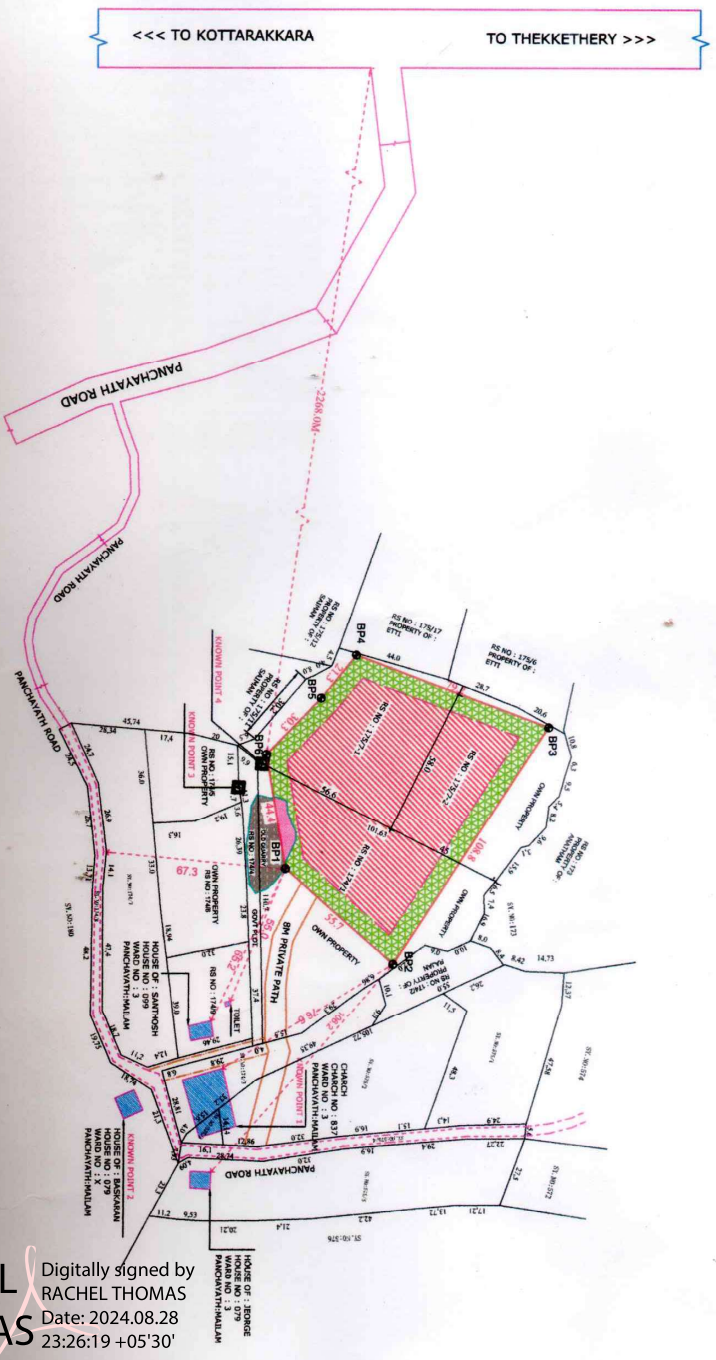


To

M/s GRANITE BUILDING STONE QUARRY PROJECT OF Mr .G.RAJU
VAIKKAM MUKKU, KALAYAPURAM P.O, KOTTARAKKARA, KOLLAM-691560
E-Mail : ajay5978puthoor@gmail.com
Contact Number : 9947838821

- 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.

SURVEY MAP



DETAILS OF GRANITE BUILDING STONE EXTRACTED FROM BUFFERZONE AREA

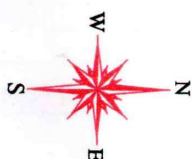
SURVEY NO	SURFACE AREA (SQ.M)	AVERAGE DEPTH (M)	VOLUME (CU.M)	BULK DENSITY	TONNAGE (MT)
174/1	115	4.2	483	2.5	1207.5

SUBMIT BEFORE DEPARTMENT OF MINING AND GEOLOGY /STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

PROPERTY DETAILS

SL.NO.	SY.NO.	DOC NO.	THANDAPPER NO	TOTAL LAND AREA	BALANCE AREA	BUFFERZONE AREA	MINING AREA	TOTAL PERMIT AREA	OWNER NAME	BOUNDARY PILLAR	LATITUDE	LONGITUDE
1	175/7-1	981/06	13171	0.3882 Ha	0.1168 Ha	0.0694 Ha	0.2020 Ha	0.2714 Ha	Dr Rakesh Thulasidharanpillai	BP-1	09°03'27.36"N	76°47'25.45"E
2	175/7-2	1298/85	13171	0.2266 Ha	0.0290 Ha	0.0680 Ha	0.1296 Ha	0.1976 Ha	Dr Rakesh Thulasidharanpillai	BP-2	09°03'28.70"N	76°47'26.57"E
3	174/1	2323/88	8067	0.5880 Ha	0.3285 Ha	0.0954 Ha	0.1641 Ha	0.2595 Ha	Thulasidharanpillai	BP-3	09°03'30.59"N	76°47'23.79"E
TOTAL AREA :-				1.2028 Ha	0.4743 Ha	0.2328 Ha	0.4957 Ha	0.7285 Ha		BP-4	09°03'28.27"N	76°47'22.84"E
										BP-5	09°03'27.75"N	76°47'23.28"E
										BP-6	09°03'27.12"N	76°47'24.01"E

RACHEL THOMAS Digitally signed by RACHEL THOMAS Date: 2024.08.28 23:26:19 +05'30'



DISTRICT : KOLLAM

TALUK : KOTTARAKKARA

VILLAGE : KALAYAPURAM

RS NO : 175/7-1,175/7-2,174/1

BLOCK NO : 13

APPLICANT :-

G.RAU
S/O GANGADHARAN GAYATHRI BHAVAN
MYLAMKULAM,PUTHOOR (PO),
KULAKKADA,PUTHUR-KOLLAM
KOLLAM KERALA-691507

PROPOSED PERMIT AREA

SURVEY LINE

HOUSE/BUILDING

PRIVATE ROAD

BUFFER ZONE

PANCHAYATH / PWD ROAD

SURVEY STONE

BOUNDARY PILLER

BUFFER ZONE 7.5M WIDTH
(0.2328 Hectare)

MINING AREA
(0.4957 Hectare)

TOTAL LEASE AREA
(0.7285 Hectare)

SCALE : 1cm = 20mts SHEET : A3



Handwritten signature of Rachel Thomas.

ILLAGE OFFICE
KALAYAPURAM

ANNEXURE 5

Environmental Monitoring Reports

TEST REPORT

ULR No:TC1293924000022188F

LRI No.:SEAAL24102055A

Date: 29-10-2024

Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address	Mr. G Raju Gayathri Bhavan, Mylamkulam, Puthoor P.O., Kottarakkara, Kollam District.
Customer Reference	Test Request date: 22-10-2024

SAMPLE DETAILS

Product Category	Atmospheric Pollution	Sample Code	EN24100727
Sample Name	Ambient Air	Sample Received on	23-10-2024
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	24-10-2024
Sampled by	Lab Authorized Sampler	Test Completed on	28-10-2024

DETAILS OF SAMPLING

Sampling Location	Project Site	Date of Sampling	22-10-2024
Sampling Procedure	SEAAL/CHL/SOP/7.3/02	Humidity	69 %

INFORMATION PROVIDED BY CUSTOMER-SAMPLING SITE DETAILS

Project Name	Granite Building Quarry of Mr.G Raju		
Survey No.	175/7-1, 175/7-2, 174/1		
Village	Kalayapuram	Taluk	Kottarakkara
District	Kollam	State	Kerala

TEST RESULTS-CHEMICAL DISCIPLINE

SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
1	Particulate matter ,PM ₁₀	IS 5182 (Part 23): 2006	µg/m ³	46.8	100 (Max)
2	Particulate matter ,PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	24.1	60 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	<4.00	80 (Max)
4	Nitrogendioxide as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	4.28	80 (Max)

Remarks:

End of Report



Shency Joy
TM - Chemical
 Checked by




Laiju P.N.
Laboratory Head
 Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unk requested by the customer; the samples will not be retained for more than 7 days from the date of report.

Standards Environmental & Analytical Laboratories

Accreditation & Certification:

NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laborato
 Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.
 'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist. -683 110.
 Tel. 0484-2546660. 93872 72402. 90743 41443. Web: www.standardslab.in. E-mail: seaalab@gmail.com

TEST REPORT

ULR No: TC1293924000022189F

LRI No.: SEAAL24102056A

Date: 29-10-2024

Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address	Mr. G Raju
	Gayathri Bhavan, Mylamkulam, Puthoor P.O, Kottarakkara, Kollam District.
Customer Reference	Test Request date: 22-10-2024

DETAILS OF MONITORING

Product Category	Atmospheric Pollution	Sample Code	EN24100728
Sample Name	Ambient Noise	Monitoring Commenced on	22-10-2024
Test Method	IS 9989:1981	Monitoring Completed on	23-10-2024
Monitoring Location	Project Site	Monitored by	Lab Authorized Sampler

SAMPLING SITE DETAILS

Project Name	Granite Building Quarry of Mr.G Raju		
Survey No.	175/7-1, 175/7-2, 174/1		
Village	Kalayapuram	Taluk	Kottarakkara
District	Kollam	State	Kerala

MONITORING RESULTS - Leq

TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	40.1	14:00	53.7	22:00	38.8
07:00	43.0	15:00	54.1	23:00	37.7
08:00	47.5	16:00	55.3	24:00	40.5
09:00	51.2	17:00	55.8	01:00	41.2
10:00	53.7	18:00	50.0	02:00	40.8
11:00	57.0	19:00	46.3	03:00	41.6
12:00	54.1	20:00	42.1	04:00	40.5
13:00	53.3	21:00	41.6	05:00	42.4

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	52.2
2	Ambient Sound Level (Leq) Night Time	dB(A)	40.9

Remarks:

End of Report



Shency Joy
TM - Chemical
 Checked by




Laiju P.N.
Laboratory Head
 Authorized Signatory

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 Tel. 0484-2546660. 93872 72402. 90743 41443. Web: www.standardslab.in. E-mail: seaalab@gmail.com

TEST REPORT

ULR No:TC1293924000021208F

LRI No.:SEAAL24101068A	Date: 29-10-2024	Page 1 of 2
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CUSTOMER DETAILS

Customer Name & Address	Mr. G Raju Gayathri Bhavan, Mylamkulam, Puthoor P.O., Kottarakkara, Kollam District.
Customer Reference	Test Request Date: 22-10-2024

SAMPLE DETAILS

Product Category	Water	Sample Code	WT24100630
Sample Name	Ground Water	Sample Received on	23-10-2024
Sample Description by Customer	Open Well Water	Temperature @ Receipt	4°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	24-10-2024
Sample Quantity& Packing	2 L & 125 ml in a Plastic Bottle	Test Completed on	28-10-2024
Information Provided by Customer	---	Sampled by	Lab Authorized Sampler

DETAILS OF SAMPLING

Sample Source	Project site	Date of Sampling	22-10-2024
Sampling Procedure	SEAAL/QAD/SOP/7.3/01	Sample Temperature	27°C

INFORMATION PROVIDED BY CUSTOMER-SAMPLING SITE DETAILS

Project Name	Granite Building Quarry of Mr.G Raju		
Survey No.	175/7-1, 175/7-2, 174/1		
Village	Kalayapuram	Taluk	Kottarakkara
District	Kollam	State	Kerala

TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Colour	IS 3025 (Part 4): 2021	Hazen	1	5 (Max)
2	Odour	IS 3025 (Part 5): 2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10): 2023	NTU	<0.10	1 (Max)
4	pH	IS 3025 (Part 11): 2022	---	6.53	6.50-8.50
5	Conductivity	IS 3025 (Part 14): 2013	μS/cm	78.2	---


Shency Joy
TM - Chemical
 Checked by


Remya B.
TM-Biological
 Authorized Signatory


Laiju P.N.
Laboratory Head
 Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

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 Tel. 0484-2546660. 93872 72402. 90743 41443. Web: www.standardslab.in. E-mail: seaalab@gmail.com

TEST REPORT

ULR No:TC1293924000021208F

LRI No.:SEAAL24101068A	Date: 29-10-2024	Page 2 of 2
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TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
6	Total Dissolved Solids	IS 3025 (Part 16): 2023	mg/L	50.2	500 (Max)
7	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	12.0	200 (Max)
8	Calcium as Ca	IS 3025(Part 40): 1991	mg/L	3.20	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 2023	mg/L	<1.00	30 (Max)
10	Chloride as Cl	IS 3025(Part 32): 1988	mg/L	15.2	250 (Max)
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2023	mg/L	12.1	200 (Max)
12	Iron as Fe	IS 3025(Part 53): 2003	mg/L	<0.10	1 (Max)
13	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1): 2022	mg/L	<1.00	200 (Max)

TEST RESULTS - BIOLOGICALDISCIPLINE

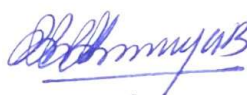
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Total Coliform Bacteria	IS 15185: 2016	----	Absent/100 ml	Absent/100 ml
2	<i>E.coli</i>	IS 15185: 2016	----	Absent/100 ml	Absent/100 ml

Remarks:

End of Report



Shency Joy
TM - Chemical
 Checked by

Remya B.
TM-Biological
 Authorized Signatory



Laiju P.N.
Laboratory Head
 Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

Standards Environmental & Analytical Laboratories

Accreditation & Certification:

NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laboratory
 Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.
 'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist. - 683 110.
 Tel. 0484-2546660. 93872 72402. 90743 41443. Web: www.standardslab.in. E-mail: seaalab@gmail.com