

Date:
05.07.2023

From,
L. Saiju,
Managing Director,
M/s Akkavila Sajeenan Aggregates,
Thrikkovilvattom, Kollam,
Kerala.

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

Respected Sir/Madam,

Sub: Submission of Half yearly compliance report in respect of Quarry project of M/s Akkavila Sajeenan Aggregates (Represented by its Managing Director, L. Saiju) in Re-Survey Nos 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 and 476/20 in block no 30 of Veliyam Village, Kottarakkara Taluk, Kollam Dist, Kerala State- regarding

Ref: Environmental Clearance issued vide No. B/DEIAA/11910/18, Dated 24-09-2018

With respect to above subject, I am herewith submitting the detailed half yearly Compliance Report for the period from **OCTOBER 2022 to March 2023** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours faithfully

For M/s Akkavila Sajeenan Aggregates



L. SAIJU
(Managing Director)

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

COMPLIANCE REPORT FOR QUARRY PROJECT OF M/s AKKAVILA SAJEENAN AGGREGATES

SURVEY NOS : 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21,
474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6,
476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 &
476/20

EXTENT : 2.6491 HECTARES

VILLAGE : VELIYAM

TALUK : KOTTARAKKARA

DISTRICT : KOLLAM

STATE : KERALA

ENVIRONMENTAL CLEARANCE
(FILE NO: B/DEIAA/11910/18, DATED: 24-09-2018)

FOR THE PERIOD FROM OCTOBER 2022 TO MARCH 2023

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ABOUT THE PROPONENT

Mr. L. Saiju, Managing Director, M/s Akkavila Sajeena Aggregates, Thrikkovilvattom, Kollam, Kerala operating a Granite (Building Stone) Quarry. District Environment Impact Assessment Authority (DEIAA) Kollam accorded Environmental Clearance No B/DEIAA/11910/18 dated 24-09-2018 to the quarry project in Veliyam Village, Kottarakkara Taluk, Kollam District, Kerala State.

II. ABOUT THE PROJECT

a. Project Category:

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

b. Project Location:

i. Survey Nos: 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 and 476/20 of Veliyam Village, Kottarakkara Taluk, Kollam District, Kerala.

The proposed project site falls within latitude and longitude value:

Latitude (N)	08°54'50.20"N to 08°54'57.63"N
Longitude (E)	76°46'17.94"E to 76°46'24.40"E

c. Project Extent And Activity:

The project is for quarrying an average production of 1,48,000 metric tonnes per year building stone from an area of 2.6491 hectares.

d. Project Description:

L. Saiju has obtained environmental clearance by DEIAA, Kollam for 5 years and the validity expires on 23-09-2023. The proposed Granite (Building Stone) quarry over an area of 2.6491 hectares of land out of the 3.0685 hectares that includes mineable area 2.0458 hectares and buffer zone 0.6033 hectares located in Veliyam Village, Kottarakkara Taluk, Kollam District, Kerala. The proponent has obtained approval for mining plan to produce an average production of 1,48,000 MT of building stone per annum. Life of mines is 10 years as per mining plan.

III.REPORT OF COMPLIANCE

A. GENERAL CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
G-1	Mining operations should be carried out strictly as per the approved mining plan.	Mining operation is carried out as per the approved mining plan.
G-2	The project proponent should provide proper fencing around the quarry throughout the life of the mine.	Scrupulously follows the directions contained.

Figure -1 Photographs showing proper fencing around the quarry



G-3	While issuing quarrying permit on the basis of this environmental clearance, the Geologist should ensure that no LC arrears are pending against the project proponent and the land owner.	Follows the directions.
G-4	The project proponent should be clearly demarcate the Government land adjacent to the proposed area.	Scrupulously follows the directions contained.
G-5	The ultimate depth of quarrying should be limited to 90m above mean sea level.	Scrupulously follows the directions contained.
G-6	The proponent shall undertake maintenance of roads damaged by heavy loaded trucks.	Scrupulously follows the directions contained.

Figure -2 Photographs showing road to quarry



G-7	Rain Water Harvesting facility should be installed as per the prevailing Provisions of KMBR/KPBR, unless otherwise specified	Would be provided.
G-8	The project proponent should rectify any defect caused to the nearby KIP canal and bridge due to the quarrying activities and transportation of the mineral. If any defect occurs or any complaint from the authorities arises this Environmental Clearance Certificate will be revoked after due enquiries.	Scrupulously follows the directions contained.
G-9	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Would be provided.
G-10	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprinklers are used in the project site to contain dust emissions.

Figure 3: Photographs showing water spraying on quarry road for dust suppression.



G-11	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	To maintain eco restoration, periodical afforestation and maintenance of the plantation will be made, rain harvesting and dust controlling will be done. Mining will be carried by ecofriendly method.
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G-12	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 indigenous plant species that are eco-friendly. If, no other specific condition on reclamation of pit is stipulated in the E.C	At the time of the closure of the mine, it shall be ensured that the directions contained are scrupulously followed.
G-13	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Activities towards Corporate Social Responsibility are being implemented . (Details is attached as ANNEXURE 2)
G-14	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.	Scrupulously follows the directions contained.

Figure 4: Photographs showing details of boundary indicators (sign boards, markings, timing details).



G-15	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per Stipulations of Explosive Department.	Warning alarms shall be installed in the project site.
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Figure 5: Photograph showing Blasting time



G-16	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Control measures on noise and vibration is as per KSPCB
G-17	Quarrying activities should be limited to day time as per KSPCB guidelines/specific implemented.	Quarrying activities is limited as per KSPCB guidelines.
G-18	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Scrupulously follows the directions contained.
G-19	A licensed person should supervise/control the blasting operations.	Scrupulously follows the directions contained. (Certificates of mining staffs is attached as ANNEXURE 3)
G-20	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Access road to quarry is tarred to contain dust emissions that may arise during transportation of materials.
G-21	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.	Overburden is stacked in pre-determined site specified for the purpose.

Figure 6: Photograph showing overburden in the project site



G-22

Height of benches should not exceed 5 m and width should not be less than 5 m if there is no mention in the mining plan/specific conditions.

Height of the benches is maintained at 5x 5 m.

Figure 7: Photographs showing bench development / Mining face development





G-23	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Would be provided.
G-24	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Would be complained.
G-25	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	The workers on the site is provided with the required protective equipment such as ear muffs, helmet, etc.
G-26	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Scrupulously follows the directions contained.
G-27	The transportation of minerals should be done in covered trucks to contain dust emissions.	Scrupulously follows the directions contained.

Figure 8: Photograph showing covered truck with rock materials



G-28	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Scrupulously follows the directions contained.
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Figure 9:Photographs showing Afforestation

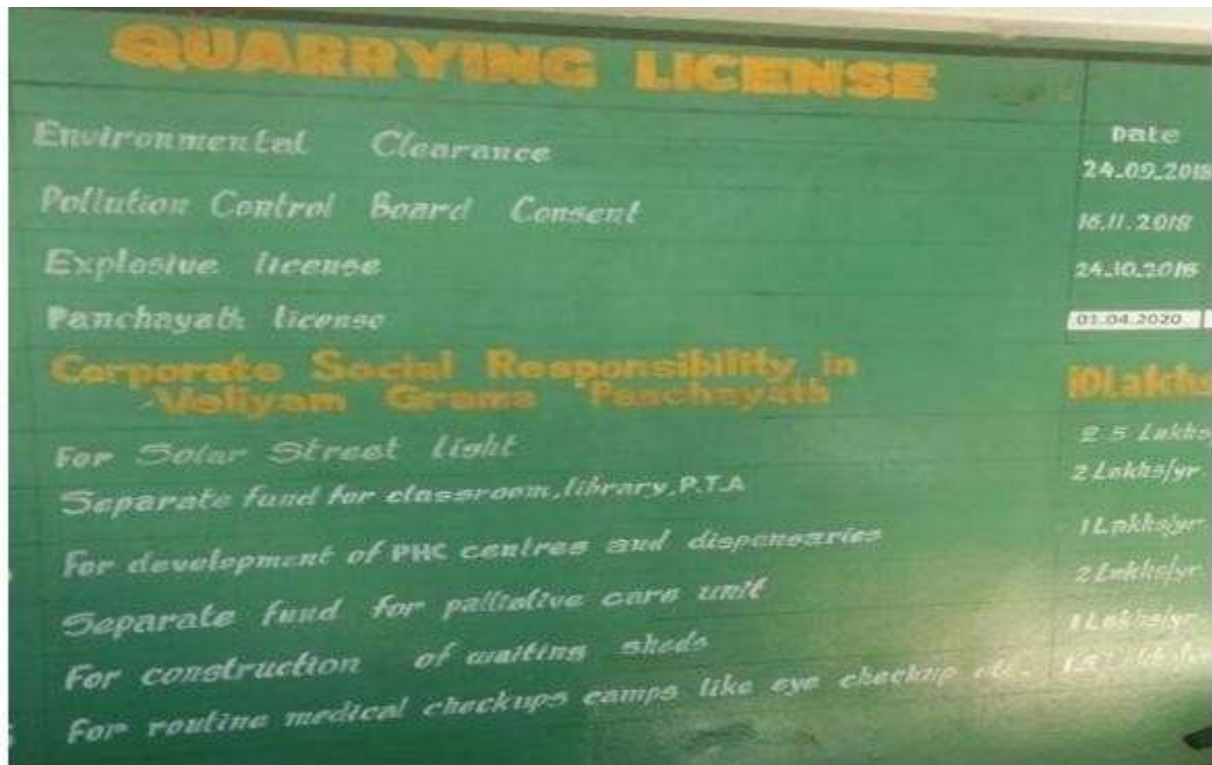


G-29	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Scrupulously follows the directions contained.
G-30	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Scrupulously follows the directions contained.(Explosive license is attached as Annexure 4)
G-31	A Minimum buffer distance of 50 m from the boundary of the quarry to the nearest dwelling unit or other structure not being any facility for mining shall be provided .	Scrupulously follows the directions contained
G-32	50m buffer distance should be maintained from forest boundaries.	Scrupulously follows the directions contained.
G-33	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Scrupulously follows the directions contained.(Pollution certificate is attached as Annexure 5)
G-34	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	Scrupulously follows the directions contained.

G-35	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.	All the safeguard measures are done as per Environment (Protection)Act, 1986.
G-36	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.	Scrupulously follows the directions contained.
G-37	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper)shall be inthe vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority(SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	Advertised in local newspaper and submitted a copy of it as a proof in the first compliance report.
G-38	A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat /District Panchayat /Municipality/Corporation/ Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental clearance shall also be put on the website of the company by the proponent.	Scrupulously follows the directions contained. (Panchayath certificate is attached as Annexure 6)

G-39	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) and upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website. It shall simultaneously be sent to the respective Regional office of MoEI, Government. Of India and also to the State Environment Impact Assessment Authority (SEIAA) Office	Conditions are being complied with.
G-40	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 of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	The conditions of Environmental Clearance are prominently displayed in a metallic board.

Figure 10: Photograph showing details of the environmental clearance prominently displayed in a metallic board



G-41	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.	The proponent has provided notarized affidavit(indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC has been scrupulously followed.
G-42	No change in mining technology and scope of working should be made without prior approval of the DEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the DEIAA, as applicable.	Since DEIAA committee is dismissed, further expansion or modifications in the mine will be done by consulting with SEIAA.
G-43	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	Ensured that no natural water course and/or water resources were obstructe due to any mining operations.
G-44	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Scrupulously follows the directions contained as per the conditions. (Lab report is attached as Annexure 7)
G-45	The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dumpsite(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of Rehabilitated areas should continue until the vegetation becomes self-sustaining.	Scrupulously follows the directions contained as per the conditions.

G-46	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 in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green development etc. The drains shall be regularly desilted and maintained properly, particularly, after monsoon.	Scrupulously follows the directions contained.
G-47	Dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained	Scrupulously follows the directions contained.
G-48	Measures should be taken for control of noise levels below 87dB in the work environment.	Measures have been taken for the control of noise levels below 87dB in the work environment.
G-49	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who will report directly to the Head of the Organization. (Details of EMC Is attached as Annexure 8)
G-50	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the District Environment Impact Assessment Authority (DEIAA) office.	The funds earmarked for environmental protection measures and CSR activities are being kept in separate account and have not been diverted for other purposes. Year wise expenditure will be reported to the State Environment Impact Assessment Authority (SEIAA) office, since DEIAA is dismissed.

G-51	The Regional office of MOEF &CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports.	The Regional office of MOEF &CC located at Bangalore will monitor compliance of the stipulated conditions. The project authorities will extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/ information /Monitoring reports.
G-52	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.	Strictly follow the rules and Scrupulously follows the directions contained.
G-53	The DEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Since DEIAA committee is dismissed, SEIAA can revoke any order if any of the specific or this implementation of any of the above conditions is not satisfactory.
G-54	The above conditions shall prevail not withstanding 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.	Yes, all the above conditions shall prevail not withstanding 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.
G-55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.	Yes, this order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier. (EC is attached as Annexure 1)
G-56	The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	Yes, the Environmental Clearance is obtained from DEIAA, Kollam.
G-57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining operation has been restricted to above ground water table and it should not intersect ground water table.

G-58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking Center. Washing of all vehicles shall be inside the lease area.	Scrupulously follows the directions contained.
G-59	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.	Scrupulously follows the directions contained.
G-60	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance program of the workers will be done periodically to observe any contraction due to exposure to dust and corrective measures will be taken, if needed.
G-61	The guidelines, orders, laws, rules and regulations of the Ministry of Environment and Forests, Gol, of the Government of Kerala and of the State Environment Impact Assessment Authority shall be strictly followed.	Follows the directions.

ANNEXURE 1

EC ORDER

Proceedings of the District Environment Impact Assessment Authority (DEIAA)

KOLLAM

(Present : Dr. S.Karthikeyan, IAS, Chairman, DEIAA & District Collector, Kollam ; Dr. Chithra.S IAS, Member Secretary , DEIAA & Sub Collector, Kollam, Sri. I. Sidheeq IFS, DFO, Punalur and Member DEIAA, Dr. Sainudeen Pattazhy , Member, DEIAA and Asso. Professor, SN College, Kollam.)

Environmental Clearance Certificate.

B/DEIAA/11910/18

Date: -24.09.2018

- Sub: DEIAA - Kollam - Environmental Clearance for Granite building stone quarry orders issued.
- Ref: 1. Minutes of the Meetings of DEIAA held on 22.09..2018 in the chamber of the District Collector, Kollam.
2. Minutes of the Meeting of DEAC held on 19.07.2018
3. Application submitted by Shri. L.Saiju, Managing Director, M/s Akkavila Sajeenan Aggregates, Thrikkovilvattom.

Shri. L.Saiju, Managing Director, M/s Akkavila Sajeenan Aggregates, Thrikkovilvattom filed, an application for environmental clearance for granite building stone quarry in Re Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 and 476/20 in Block No. 30 Veliyam Village, Kottarakkara Taluk. Kollam District. The total extent of the land is 3.0685 hectares and the extent of applied area is 2.6491 hectares. The area of land arrives from Re Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 and 476/20 are 0.4305 hectares, 0.0525 hectares, 0.0850 hectares, 0.0720 hectares, 0.0940 hectares, 0.0955 hectares, 0.1515 hectares, 0.0325 hectares, 0.2665 hectares, 0.1860 hectares 0.1135 hectares, 0.1670 hectares, 0.0100 hectares, 0.0221 hectares, 0.1657 hectares, 0.2020 hectares, 0.1920 hectares, 0.1572 hectares, 0.0370 hectares, 0.1100 hectares and 0.0066 hectares respectively. The proposed area includes mineable area 02.0458 hectares and buffer zone 0.6033 hectares.

As per the Thandapper Account No. 8832, 8890, 8752 , 8889 and 8452 of Veliyam village the proposed land is owned by the projet proponent.

After preliminary verification, the application was forwarded to DEAC. The DEAC members inspected proposed site on 05.07.2018 and reported that the area falls within latitudes 8°54'50.20"N and 8°54'57.63" N and longitudes 76°46'17.94"E and 76° 46' 24.40" E.

DEAC has reported that the proposed area is a part of a hillock with a North -- East / South -- West trend slopping towards North West direction. The north western side of the applied area has been under quarrying activities for the past years.

DEAC has reported that the total mineable reserves of granite building stone available in the proposed area is 14,82,300 metric tonness. The tentative production for one year is given as 1,48,000 metric tonness. The District Expert Appraisal Committee has recommended that life of the mine is 10 years as per the mining plan.

The amount provided by the proponent for Corporate Social Responsibility is Rs. 10,00,000/- per annum.

The meeting of DEAC held on 19.07.2018 had recommended the issuance of environmental clearance for the proposed quarry project. The DEAC has also reported that KIP canal and a bridge is situated near the proposed quarry. The project proponent had submitted an affidavit stating that he will rectify any defect caused to the Canal and bridge due to the quarrying activities or transportation of the mined mineral.

The meeting of DEIAA held on 23.09.2018 in the chamber of the District Collector, Kollam decided to issue environmental clearance for granite building stone quarry in the 2.6491 hectares of land out of the 3.0685 hectares that includes mineable area 02.0458 hectares and buffer zone 0.6033 hectares comprised in Re Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 and 476/20 in Block No. 30 Veliyam Village, Kottarakkara Taluk. Kollam District for a period of **five years** subject to the following conditions.

CONDITIONS

1. Mining operations should be carried out strictly as per the approved mining plan.
2. The project proponent should provide proper fencing around the quarry throughout the life of the mine.
3. **While issuing quarrying permit on the basis of this environmental clearance, the Geologist should ensure that no LC arrears are pending against the project proponent and the land owner.**
4. The project proponent should clearly demarcate the Government land adjacent to the proposed area and no quarrying activities should be done in the area.
5. The ultimate depth of quarrying should be limited to 90 m above mean sea level.

6. The proponent shall undertake maintenance of roads damaged by heavy loaded trucks.
7. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.
8. The project proponent should rectify any defect caused to the nearby KIP canal and bridge due to the quarrying activities and transportation of the mineral. If any defect occurs or any complaint from the authorities arises this Environmental Clearance Certificate will be revoked after due enquiries.
9. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
10. Sprinklers shall be installed and used in the project site to prevent dust emissions.
11. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
12. 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 indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.
13. Corporate Social Responsibility (CSR) agreed upon by the proponent shall be complied with.
14. The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stones, markings etc) shall be provided at all times and shall be conspicuous.
15. Warning alarms including the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
16. Control measures on noise and vibration prescribed by KSPCB should be implemented.
17. Quarrying activities should be limited to day time as per KSPCB guidelines
18. Blasting should be done in a controlled manner as specified by the regulations of Explosive Department or any other concerned agency.
19. A licensed person should supervise/control the blasting operations.
20. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
21. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions. No wet lands, paddy lands or water bodies shall be filled.
22. Height of benches should not exceed 5m, and width should not be less than 5m, if there is no mention in the mining plan/specific condition.
23. Mats to reduce fly rock blast to a maximum of 10PPV should be provided.
24. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
25. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
26. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.

dust emissions.

28. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
29. Disposal of spent oil from diesel engines should be as specified under relevant rules/regulations.
30. Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.
31. A minimum buffer distance of 50 m from the boundary of the quarry to the nearest dwelling unit or other structures not being any facility for mining shall be provided.
32. 50 m buffer distance should be maintained from forest boundaries.
33. Consent from Kerala State Pollution Control Board under Water and Air Act (s) should be obtained before initiating mining activity.
34. All other statutory clearance should be obtained, as applicable, by project proponent from the respective competent authorities including that for blasting and storage of Explosive.
35. The authority reserves the right to add the additional safe guard 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.
36. 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 1991 and EIA notification, 2006.
37. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and newspapers) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
38. A copy of the clearance letter shall be sent by the proponent in the concerned Grama Panchayat/District Panchayat/ Municipality/ Corporation/Urban Local Body also to the NGO, if any from whom suggestions/representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
39. The proponent shall submit half yearly reports complaints 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. Each shall simultaneously be sent to the respective Regional Office of MoEI. Government of India also of the State Environment Impact Assessment Authority (SEIAA) office.

40. The details of Environment Clearance should be prominently displayed in a metallic board of 3ft x 3ft with green background and yellow letters of Times New Roman Font of 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.
41. 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.
42. No change in mining technology and scope of working should be made without prior approval of the DEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the DEIAA as applicable.
43. The project proponent shall ensure that no natural water course and / or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
44. Monitoring of Ambient air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places of loading and unloading points & transfer point to reduce fugitive dust emissions.
45. The top soil, if any, shall temporarily be stored at the places for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 meter and width 20 meter and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management or rehabilitated areas should continue until the vegetation becomes self-sustaining.
46. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area roads, green belt development etc. The drains shall be regularly desalted particularly after monsoon and maintained properly.
47. Dust emissions from all the sources should be controlled regularly; Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
48. Measures should be taken for control of noise levels below 87dB in the work environment.
49. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.
50. The funds earmarked for environmental protection measures and CSR activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the District Environment Impact Assessment Authority (DEIAA) Office.

51. The Regional Office of MOEF & CC located at Bangalore shall mention compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
52. Any appeal against this Environmental Clearance shall be with the National Green Tribunal, if preferred with a period of 30 days are prescribed under section 16 of the National Green Tribunal Act, 2010.
53. The DEIAA may revoke or suspend the order, for non implementation of any of the specific conditions or this implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further conditions in the interest of environment protection.
54. 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.
55. This order is valid for a period of five years or the expiry of mine lease period issued by the Government of Kerala, whichever is earlier.
56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
57. The mining operation shall be restricted to above ground water table and it should not interest ground water table.
58. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution monitoring centre. Washing of all vehicles shall be inside the lease area.
59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
60. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
61. The guidelines, orders, laws, rules and regulations of the Ministry of Environment and Forests, GoI, of the Government of Kerala and of the State Environment Impact Assessment Authority shall be strictly followed.

Violation of any of the above conditions will entail cancellation of the Environment Clearance in addition to legal action under the provisions of the Environment Protection Act 1986.

Non-compliance if any shall be reported to the District Collector and Chairman of DEIAA by the officers concerned.

(Sd/-)

Member Secretary DEIAA &
Sub Collector, Kollam

To

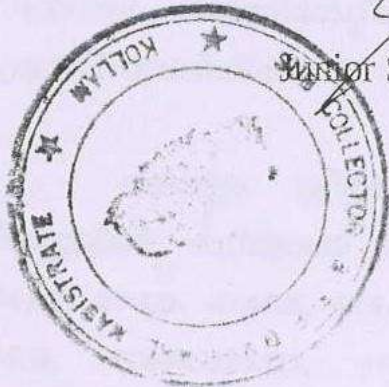
Shri. L. Saiju, Managing Director, M/s Akkavila Sajeenan Aggregates,

Thrikkovilvattom.

Copy to

1. Chairman, DEIAA & District Collector, Kollam.
2. DFO, Punalur & Member DEIAA
3. Dr. Sainudeen Pattazhy, Member DEIAA
4. Geologist, Kollam
5. All members of DEAC
6. Tahsildar, Kottarakkara
7. Secretary, Veliyam Grama Panchayath.
8. SHO, Pooyappally
9. Village Officer, Veliyam
10. Stock file.

Forwarded by Order



Junior Superintendent

ANNEXURE 2

CORPORATE ENVIRONMENT RESPONSIBILITY (CER)

NO	Date	Description	Amount
1	20.11	Thilakan colony	1,500.00
2	20.11	gv prakash	500.00
3	20.11	Pinky	1,000.00
4	20.11	sajeev muttakuzhi	1,000.00
5	20.11	kavitha member	1,000.00
6	20.11	sreekumari	1,000.00
7	20.11	Rajamma	1,000.00
8	20.11	Indira	1,000.00
9	20.11	lekshmikutti	1,000.00
10	20.11	Sindu	1,000.00
11	20.11	indira muttakuzhi	2,000.00
12	20.11	sugathan medicine	1,400.00
13	20.11	reghu malayil	1,000.00
14	20.11	omanakuttan veliyam	250.00
15	22.11	vipin alumoodu	1,000.00
16	22.11	paristhidhi donation fund	300.00
17	22.11	vijesh colony	1,000.00
18	22.11	vilasini colony	2,000.00
19	23.11	kavitha member	10,000.00
20	24.11	manu colony	500.00
21	24.11	unni colony	2,000.00
22	24.11	alumoodu kumar	1,000.00
23	24.11	madu memberaituc	2,000.00
24	25.11	podimaon malayil	1,000.00
25	25.11	lekshmi kutty	2,000.00
26	25.11	prasad congress fund	4,000.00
27	27.11	thilakan colony death expense	13,000.00
28	27.11	gv prakash	500.00
29	27.11	Pinky	1,000.00
30	27.11	sajeev muttakuzhi	1,000.00
31	27.11	kavitha member	1,000.00
32	27.11	sreekumari	1,000.00
33	27.11	Rajamma	1,000.00
34	27.11	Indira	1,000.00
35	27.11	lekshmikutti	1,000.00
36	27.11	Sindu	1,000.00
37	27.11	vasu	2,000.00
38	29.11	sajeev muttakuzhi	5,000.00
39	29.11	babu alumoodu	1,000.00
40	1.12	madu member	2,000.00
41	1.12	radhakrishnan colony	1,000.00
42	1.12	paruthiyara sudhakaran	7,500.00

43	1.12	mp prakash	5,000.00
44	2.12	sunil(mother death expense)	5,000.00
45	2.12	akhil menekkedu mukku	2,000.00
46	2.12	panthal biju	2,000.00
47	2.12	radhakrishnan	200.00
48	3.12	mathai	1,000.00
49	4.12	gv prakash	500.00
50	4.12	Pinky	1,000.00
51	4.12	sajeev muttakuzhi	1,000.00
52	4.12	kavitha member	1,000.00
53	4.12	sreekumari	1,000.00
54	4.12	Rajamma	1,000.00
55	4.12	Indira	1,000.00
56	4.12	lekshmikutti	1,000.00
57	4.12	Sindu	1,000.00
58	4.12	ashokan	2,000.00
59	4.12	unni	2,000.00
60	4.12	suresh	2,000.00
61	4.12	ayyappan	2,000.00
62	4.12	vishnu	2,000.00
63	6.12	ayyappan	1,000.00
64	6.12	kochappi	300.00
65	6.12	midun colony	2,000.00
66	7.12	paristhidi fund	500.00
67	8.12	sugathan medicine bill	1,400.00
68	9.12	sarala muttakuzhi	2,000.00
69	9.12	sc/st federation fund	500.00
70	9.12	balan loading marriage	2,000.00
71	11.12	gv prakash	500.00
72	11.12	Pinky	1,000.00
73	11.12	sajeev muttakuzhi	1,000.00
74	11.12	kavitha member	1,000.00
75	11.12	sreekumari	1,000.00
76	11.12	Rajamma	1,000.00
77	11.12	Indira	1,000.00
78	11.12	lekshmikutti	1,000.00
79	11.12	Sindu	1,000.00
80	11.12	ashokan menakkedumukku	2,000.00
81	11.12	thilakan blaster	1,000.00
82	11.12	kannan	5,000.00
83	14.12	raju malayil	2,000.00
84	14.12	ashokan veliyam	500.00
85	15.12	nanma charity	300.00
86	16.12	vasu	2,000.00

87	16.12	vellapally moorthi temple	2,000.00
88	17.12	indira muttakuzhi	2,000.00
89	17.12	sugathan malayil	500.00
90	17.12	mp prakash	2,000.00
91	18.12	gv prakash	500.00
92	18.12	Pinky	1,000.00
93	18.12	sajeev muttakuzhi	1,000.00
94	18.12	kavitha member	1,000.00
95	18.12	sreekumari	1,000.00
96	18.12	Rajamma	1,000.00
97	18.12	Indira	1,000.00
98	18.12	lekshmikutti	1,000.00
99	18.12	Sindu	1,000.00
100	18.12	malayil anil cricket tournament	5,000.00
101	18.12	paruthiyara sudhakaran	10,000.00
102	18.12	balu mariage thulavila	5,000.00
103	18.12	biju panthal	2,000.00
104	21.12	cpam fund	3,000.00
105	21.12	joseph	2,000.00
106	21.12	thankappan	10,000.00
107	22.12	deaf federation fund	300.00
108	22.12	bhin mission fund	500.00
109	22.12	rsp udhayan	1,000.00
110	22.12	ashokan winners academy	2,000.00
111	23.12	unni malayil	2,000.00
112	23.12	samajwadhi party	500.00
113	23.12	panthal biju	1,500.00
114	23.12	shivashakthi sangam	500.00
115	24.12	abhay alumoodu	3,000.00
116	24.12	akhil alumoodu	5,000.00
117	24.12	lekshmi kutty	2,000.00
118	24.12	achu kottekonam	2,000.00
119	24.12	sumesh	1,000.00
120	24.12	rajen kottekkonan	1,000.00
121	24.12	unni colony	2,000.00
122	24.12	mohanan	2,000.00
123	24.12	sajeev muttakuzhi	2,000.00
124	24.12	kochu podiyan muttakuzhi	2,000.00
125	24.12	babu alumoodu	2,000.00
126	24.12	ashokan aloomoodu	2,000.00
127	25.12	gv prakash	500.00
128	25.12	Pinky	1,000.00
129	25.12	sajeev muttakuzhi	1,000.00
130	25.12	kavitha member	1,000.00

131	25.12	sreekumari	1,000.00
132	25.12	Rajamma	1,000.00
133	25.12	Indira	1,000.00
134	25.12	lekshmikutti	1,000.00
135	25.12	Sindu	1,000.00
136	25.12	anil veliyam	300.00
137	25.12	perum kulam moorthi tempe	2,000.00
138	27.12	thanal charity	200.00
139	27.12	omanakuttan colony	500.00
140	27.12	mohanan menakkedu mukku	5,000.00
141	28.12	aictu fund	500.00
142	29.12	anu malayil	2,000.00
143	29.12	regu flex	1,000.00
144	31.12	abhay alumoodu	2,500.00
145	31.12	ashokan alumoodu	1,500.00
146	31.12	akhil alumoodu	3,000.00
147	31.12	vipin alumoodu	2,000.00
148	31.12	biju panthal	1,500.00
149	31.12	unni colony	2,000.00
150	31.12	mohanan colony	2,000.00
151	31.12	sajeev muttakuzi	2,000.00
152	1.1	gv prakash	500.00
153	1.1	Pinky	1,000.00
154	1.1	sajeev muttakuzhi	1,000.00
155	1.1	kavitha member	1,000.00
156	1.1	sreekumari	1,000.00
157	1.1	Rajamma	1,000.00
158	1.1	Indira	1,000.00
159	1.1	lekshmikutti	1,000.00
160	1.1	Sindu	1,000.00
161	1.1	madhu kottepara	1,500.00
162	1.1	satheesh malayil	2,000.00
163	3.1	manakkara radhakrishnan	500.00
164	4.1	sanadhana dharma donation	300.00
165	4.1	indira muttakuzi	2,000.00
166	4.1	chandran odanavattam	250.00
167	5.1	malayil anil	5,000.00
168	6.1	gopi veliyam	400.00
169	6.1	sandos club malayil	500.00
170	6.1	madu colony	2,000.00
171	8.1	gv prakash	500.00
172	8.1	Pinky	1,000.00
173	8.1	sajeev muttakuzhi	1,000.00
174	8.1	kavitha member	1,000.00

175	8.1	sreekumari	1,000.00
176	8.1	Rajamma	1,000.00
177	8.1	Indira	1,000.00
178	8.1	lekshmikutti	1,000.00
179	8.1	Sindu	1,000.00
180	8.1	prince kayila	1,000.00
181	8.1	devadasan	1,000.00
182	8.1	yuva shakthi charity	300.00
183	8.1	sugathan medicine	1,400.00
184	8.1	satheeshan colony	1,500.00
185	10.1	sunitha veliyam donation	500.00
186	10.1	pramod paruthiyara	5,000.00
187	11.1	anirudhan	1,000.00
188	11.1	kuttan cable	1,000.00
189	11.1	unni menakkedu mukku	1,000.00
190	13.1	mohanan colony	2,000.00
191	13.1	thomas colony	1,000.00
192	15.1	vasu	2,000.00
193	15.1	vellapally moorthi temple	2,000.00
194	17.1	udayan rsp	2,000.00
195	17.1	pulakkavu temple	5,000.00
196	17.1	dtuc convention fund	500.00
197	18.1	Biju malayil	2,000.00
198	20.1	unni malayil	1,000.00
199	21.1	unni colony	1,000.00
200	21.1	ajayan colony	1,000.00
201	22.1	gv prakash	500.00
202	22.1	Pinky	1,000.00
203	22.1	sajeev muttakuzhi	1,000.00
204	22.1	kavitha member	1,000.00
205	22.1	sreekumari	1,000.00
206	22.1	Rajamma	1,000.00
207	22.1	Indira	1,000.00
208	22.1	lekshmikutti	1,000.00
209	22.1	Sindu	1,000.00
210	22.1	panthal biju	1,500.00
211	22.1	nanma charity trust	500.00
212	24.1	ashokan colony	2,000.00
213	25.1	pattikajathi donation fund	500.00
214	25.1	ani mavilamukku	300.00
215	25.1	road work panchayath	5,000.00
216	26.1	kunjumon colony	1,000.00
217	26.1	sndp sakha veliyam	2,000.00
218	27.1	lekshmi kutty	2,000.00

219	29.1	binu cpm(vipin)	10,000.00
220	29.1	kokkadan member	5,000.00
221	29.1	sarala muttakuzhi	2,000.00
222	29.1	gopi kottarakkara	200.00
223	30.1	navayug football club	500.00
224	2.2	yuvashakthi charity	250.00
225	2.2	unni colony	1,000.00
226	5.2	gv prakash	500.00
227	5.2	Pinky	1,000.00
228	5.2	sajeev muttakuzhi	1,000.00
229	5.2	kavitha member	1,000.00
230	5.2	sreekumari	1,000.00
231	5.2	Rajamma	1,000.00
232	5.2	Indira	1,000.00
233	5.2	lekshmikutti	1,000.00
234	5.2	Sindu	1,000.00
235	6.2	sajith malayil	5,000.00
236	6.2	anil nilamel	300.00
237	7.2	usha colony	2,000.00
238	7.2	sugathan medicine	1,400.00
239	9.2	prasannan malayil (marriage)	3,000.00
240	9.2	human rights protection fund	500.00
241	9.2	ashokan alumoodu	2,000.00
242	11.2	shaji alumoodu	1,000.00
243	11.2	shaji kottekonam	1,000.00
244	11.2	podiyam kottekkonam	1,000.00
245	11.2	vavachi kottekkonam	1,000.00
246	11.2	vellapally moorthi temple uchara	15,000.00
247	11.2	oottu uchara mala	1,500.00
248	12.2	gv prakash	500.00
249	12.2	Pinky	1,000.00
250	12.2	sajeev muttakuzhi	1,000.00
251	12.2	kavitha member	1,000.00
252	12.2	sreekumari	1,000.00
253	12.2	Rajamma	1,000.00
254	12.2	Indira	1,000.00
255	12.2	lekshmikutti	1,000.00
256	12.2	Sindu	1,000.00
257	12.2	bms masdoor fund	900.00
258	12.2	vellapally moorthi temple	2,000.00
259	12.2	vasu	2,000.00
260	12.2	unni malayil	1,000.00
261	12.2	raju muttakuzhi	2,000.00
262			

263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		
275		
	total	435,450.00

ANNEXURE 4**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

केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor

CSEZ पी.ओ.कक्कानाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037

फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SE/KL/22/202(E113505)

दिनांक (Date): 21/05/2019

सेवा में | To,

Shri L.Saiju,

Akkavila House, Eravipuram P.O., Town/Village - Eravipuram

District-KOLLAM, State-Kerala, Pincode - 691001

विषय : Survey No.474/3, ग्राम Veliyam, Kottarakkara, जिला KOLLAM, राज्य Kerala में मेसर्स Shri L.Saiju द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SE/KL/22/202(E113505) के संशोधन संदर्भ में।
(विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:474/3, Veliyam, Kottarakkara, Dist. KOLLAM, Kerala -Licence No.: E/SE/KL/22/202(E113505) granted in Form L.E-3 of Explosives Rules, 2008 -
(Amendment of Quantity of Explosives/Monthly Purchase Limit).

महोदय Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 21/05/2019 का संदर्भ ग्रहण करें।

Please refer to your letter no. Nil dated 21/05/2019.

अनुज्ञप्ति संख्या E/SE/KL/22/202(E113505) विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन के संदर्भ में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SE/KL/22/202(E113505) is forwarded herewith duly amended in respect of followings :

Quantity of Explosives/Monthly Purchase Limit

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

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

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	140	Kg.
2	Safety Fuse	6	1	0	2200	Mtrs
3	Ordinary Detonator	6	3	0	2000	Nos.
4	Electric Detonators	6	3	0	2000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) : 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 2023 तक प्रवृत्त रहेगी।
This Licence shall remain valid till 31st day of March 2023.

आपके खाते में रुपए 200/- की राशि शेष हैं जो इस संदर्भ को उद्धृत करते हुए भविष्य के संव्यवहार में समायोजित की जा सकती है।
An amount of Rs. 200/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

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

(आर.वेणुगोपाल | Dr. R. Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam

Deputy Chief Controller of Explosives

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. District Magistrate, KOLLAM, Kerala with reference to his Noc No: No.57755/18/M7 Dated: 31/07/2018
2. Superintendent of Police, KOLLAM, Kerala.

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam

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

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

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)

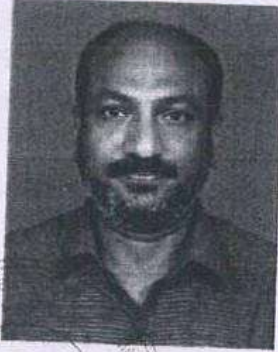
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञप्ति

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

अनुज्ञप्ति सं. (Licence No.) : E/SE/KL/22/202(E113505)

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



Licence
Photo

1. Licence is hereby granted to

Shri L.Saiju (अधिभोगी / Occupier : L.Saiju), Akkavila House, Eravipuram P.O., Town/Village - Eravipuram, District-KOLLAM, State-Kerala, Pincode - 691001

को अनुज्ञप्ति अनुदत्त की जाती है।

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

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

possess for use of **Nitrate Mixture, Safety Fuse,**

Ordinary Detonator, Electric Detonators, - के उपयोग के लिए

Licence is valid only for the following purpose.

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

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

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	140 Kg.
2.	Safety Fuse	6,1	0	2200 Mtrs
3.	Ordinary Detonator	6,3	0	2000 Nos.
4.	Electric Detonators	6,3	0	2000 Nos.

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

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

**20 times
as above.**

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

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

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/202

(E113505)

दिनांक (Dated) 21/05/2019

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

Survey No. 474/3, ग्राम (Town/Village) : **Veliyam, Kottarakkara**

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

जिला (District)

KOLLAM

राज्य (State)

Kerala

पिनकोड (Pincode)

691540

दूरभाष (Phone)

ई. मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

: **Constructed Magazine**

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

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

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।
Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
 2. अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
 3. दूरी प्ररूप DE-2 | Distance Form DE-2.
9. यह अनुज्ञप्ति तारीख 31 मार्च 2023 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2023.

यह अनुज्ञप्ति अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।


This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 24/10/2018

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 21/05/2019
नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal



उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives

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.

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/SE/KL/22/202(E113505) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SE/KL/22/202(E113505) 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 प्रयुक्तर 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 हैं, 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 पत्तीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पत्तीते, 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 ग्लीअसरीन 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.

8. मैगजीन के भीतरी भाग या उसमें लगी बेंचों, शैल्फों 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 बेंचे, शैल्फ 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 बाध्यकर 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.

9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापतिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापतिधारी द्वारा पश्चात्पूर्वी 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.

10. उपयुक्त तथा जेब 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. अनुज्ञापतिधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-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 अनुज्ञापतिधारी 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 अनुज्ञापतिधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा।

- b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 $\log_{10}(N)$ 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. अनुज्ञप्तीधारी विदेशी मूल के आतिशबाजी को ना प्रदर्शित करेगा, ना रखेगा और ना ही उसकी बिक्री करेगा। The licensee shall not exhibit, possess and sell fireworks of foreign origin.



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

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/SE/KL/22/202(E113505) in form LE-3 granted to Shri L.Saiju, Akkavila House ,Eravipuram P.O., Kerala-691540 .

	Type of Structure(s)	Safety distances meters	
		M	(M
Inside Safety Distances(ISD)			
1	Room or Workshop used in Connection with the Magazine	13	19
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		40
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 : 24/10/2018


 For Dy. Chief Controller of Explosives
 Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 21/05/2019

POLLUTION CERTIFICATE

FILE NO : PCB/KO/ICO/G/328/2018

Date of issue : 16/11/2018



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. :9053960

Dated:29-10-2018

TO

M/s AKKAVILA SAJEENAN AGGREGATES

VELIYAM P.O,

KOTTARAKKARA,

KOLLAM

Consent No. :PCB/KO/ICO/F/556/2018

Valid Upto :23/09/2023

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	23/09/2023
2	Name and Address of the establishment	AKKAVILA SAJEENAN AGGREGATES VELIYAM P.O, KOTTARAKKARA, KOLLAM 691540
3	Communication	Telephone :91-8594006615 Fax :- E-mail:akkavila.k.lekshmanancompany@gmail.com
4	Occupier Details	L.SAIJU, MANAGING PARTNER, AKKAVILA SAJEENAN AGGREGATES, THRIKKOVILVATTOM, MUKHATHALA P.O, KOLLAM
5	Local Body	VELIYAM PANCHAYATH
6	Survey Number	474/4,474/16,474/17,474/5,474/18,474/6,474/21,474/20,474/7,474/24,474/10,476/8,476/7,476/6,476/4,475/23,475/24,475/9-1,476/17,474/19,476/20
7	Village	VELIYAM
8	Taluk	KOTTARAKARA
9	District	KOLLAM
10	Capital Investment(Rs in Lakhs)	400
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	40000/-
	Total Fee remitted(Rs)	2,00,000/-
14	RAW MATERIAL	PRODUCTS
	ACTIVITY	QUARRYING FROM 2.6491 HECTARES OF LAND (MINEABLE AREA 2.0458 HECTARES & BUFFER ZONE 0.6033 HECTARES)
15	Total Power Required (HP)	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 Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: 500 L/d
- 2.3 Effluent generation: Nil
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl.No.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent: NA

3. CONDITIONS AS PER

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

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

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)
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4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

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

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.

4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

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

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

4.4 E-waste shall be disposed off safely as per the E-Waste (Management)Rules, 2016.

Sl.No.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent: NA

3. CONDITIONS AS PER

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

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

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)
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4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

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4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

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

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

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 thereunder.
- 5.2 This Integrated Consent to Operate (Renewal), unless withdrawn earlier and subject to condition no.5.1 shall be valid up to 23.09.2023. For continuing to operate beyond the validity date application for the renewal has to be submitted through online (website : krocmms.nic.in) before 23.06.2023.
- 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 before the starting of quarrying operations
- 5.5 The quarrying operation shall be limited to the area demarcated in the approved location plan sketch. Any change or alteration to the above shall be made only with prior permission of the Board.
- 5.6 Quarrying operation shall not be carried out between 6 pm and 8am
- 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 Necessary buffer layer shall be maintained inside the boundary and no quarrying activity shall be carried out in that area.
- 5.10 Wherever residences are likely to be affected with vibration, blasting with electric detonator (ED) shall be avoided and ordinary detonator (OD) or ED with delay facility shall be used.
- 5.11 Blasting shall be done only at specified times and this blasting schedule shall be displayed to public to avoid accidents.
- 5.12 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.
- 5.13 Efforts shall be made to avoid any sort of environmental problems due to the working of the quarry.
- 5.14 A distance of 50m shall be maintained from the quarrying area to nearby residences/other buildings/roads with public transport system/ river/ lake/ bridge.
- 5.15 This consent is issued based on the letter of Intent no.1721/M3/2018 dated 12.04.2018 of Mining & Geology Department and Environmental Clearance no.B/DEIAA/11910/18 dated 24.09.2018 Certificate is valid only when all other statutory/ necessary clearances from other concerned authorities are valid. The Quarrying shall be done after obtaining clearance from all concerned authorities.

DATE :16/11/2018

SIMI P

Digitally signed by SIMI P
Date: 2018.11.16 12:48:13
+05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, KOLLAM.



To

L.SAIJU,
MANAGING PARTNER,
AKKAVILA SAJEENAN
AGGREGATES,
THRIKKOVILVATTOM,
MUKHATHALA P.O,
KOLLAM

- 1. This digitally signed document is legally valid as per the Information Technology Act 2000**
2. For verifying this document please go to krocmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.



ലൈസൻസ് നമ്പർ : A5.-1875/2023-24 -- 2

തീയതി : 03/04/2023

തൃക്കോവിലവട്ടം ഗ്രാമപഞ്ചായത്തിൽനിന്നും
 1994ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും
 അതേ തുടർനൂള്ള ചട്ടങ്ങളും അനുസരിച്ച്
 ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന

ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	എൽ സൈജു, ആക്കാവിള ഹൗസ്, ഇരവിപുരം പി ഒ	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	ആക്കാവിള സജീനൻ അഗ്രിഗേറ്റ്സ്	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	261HP ഉപയോഗിച്ച് ക്രഷർ യൂണിറ്റ് നടത്തുന്നതിന് നടത്തുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	10 / 717 -722	
ലൈസൻസ് കാലയളവ്	01-04-2023 മുതൽ 31-03-2024 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	5,000 + 3,900/- രൂപ	രസീത് നമ്പർ 122119732 തീയതി 28-03-2023
	തൊഴിൽക്കരം	1250 + 1250 Rt.No.122119732 Dt : 28-03-2023
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	1. മലിനീകരണനിയന്ത്രണ ബോർഡിൽനിന്നുള്ള അനുമതി ... PCB/RO/KLM/CRU/14/2016 ... 26-06-2019 2. ഫാക്ടറിസ് & വ്യവസായവകുപ്പിൽനിന്നുള്ള നിരാക്ഷേപപത്രം ... KUR/11/322/1998 ... 31-12-2019 3. മൈനിംഗ് & ജിയോളജി വകുപ്പിൽനിന്നുള്ള അനുമതി	



(ഓഫീസ് മുദ്ര)

സെക്രട്ടറി
 തൃക്കോവിലവട്ടം ഗ്രാമപഞ്ചായത്ത്

S.N. AJITH
 SECRETARY
 Thrikovilvattom Grama Panchayat
 Mukhathala P.O., Kollam (Dist)
 Kerala (State), India-691577
 Ph: 0474-2502872, 9496041811

ലൈസൻസി താഴെപ്പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു

1. കേരള പഞ്ചായത്ത് രാജ് ആക്ടും അതേതുടർന്നുള്ള ചട്ടങ്ങളും ബൈലോകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽസ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്ത് അധികാരികൾക്കോ / സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യങ്ങൾ നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
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 അറിയിക്കേണ്ടതുമാകുന്നു.
5. തൊഴിൽസ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വെച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഏതൊരു പ്രവൃത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ ഏതെങ്കിലും ഭാഗത്ത് വിഴുകിയോ 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 തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ ചപ്പുചവറോ അസഹ്യവും ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാടു തീർത്തു നിലനിർത്തേണ്ടതാണ്.
9. ലൈസൻസി മേൽപ്പറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടുചേർന്നുള്ള ഏതൊരു ഓവുചാലും അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്തും വെപ്പിക്കേണ്ടതാണ്.
10. അധിതം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദ് ചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള തപ്ത് രോഗമോ കുഷ്മാരോഗമോ, വ്രണമോ പകർച്ചവ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. 50 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക്കുകളും മറ്റു നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയിലെറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ക തുടങ്ങിയവ സംഭരിച്ചു വെക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
16. ബാലവേല അനുവദിക്കുവാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യുന്നതിന് കാരണമാകാവുന്നതാണ്.
18. മറ്റ് വകുപ്പുകളിൽ നിന്നും അനുവദിച്ചിട്ടുള്ള പെർമിഷൻ, ലൈസൻസ്, മറ്റ് ക്ലിയറൻസുകൾ എന്നിവ അതത് സമയങ്ങളിൽ പുതുക്കേണ്ടതാകുന്നു. അല്ലാത്ത പക്ഷം പഞ്ചായത്ത് അനുവദിച്ചിട്ടുള്ള ലൈസൻസ് സ്വമേധയാ റദ്ദാകുന്നതാണ്.

സെക്രട്ടറി

N.B. ഈ ലൈസൻസ് അവസാനിക്കുന്ന തീയതിക്ക് മുമ്പുതന്നെ മുമ്പ് ലൈസൻസ് പുതുക്കുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്.



SECRETARY
Thrikkovilattom Grama Panchayat
Mukhathala P.O., Kollam (Dist)
Kerala (State), India-691577
Ph: 0474-2502872, 9496041811



In pursuit of quality

ENVIRODESIGNS

ECO LABS*(Food Quality / Water / Environmental Testing Lab)*

ISO 9001:2015, ISO 45001:2018 Certified organisation

Approved 'A' grade Lab by Kerala State Pollution Control Board

Accredited Lab by NABL as per ISO 17025:2017 (Cert No: TC-7114)

Recognised Lab by Ministry of Environment, Forests & Climate Change (Govt. of India) as per E (P) Act 1986



TC-7114

TEST REPORT

Page 1 of 2

Report No. : EEL/LR/23/0023298/906

Issued To:

Issue Date : June 06, 2023

M/s. Akkavila Sajeenan Aggregates
Veliyam, Kottarakara
Kollam Dist.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.474/4,474/16,174/17,474/5,474/18,474/6,474/21,474/20,474/7,474/24,
474/10,476/8,476/7,476/6,476/4,475/4,475/23,475/24,475/9-1,476/17,474/19 &476/20
at Veliyam Village, KottarakkaraTaluk, Kollam Dist. Kerala.

Sample receipt form Ref. No. : SRF/W/05/906 dt. 30.05.2023

Sampling done by: Customer

Sample Particulars: Water sample

Sample receiving date: May 30, 2023

Lab identification code : W/05/906

Analysis starting date: May 30, 2023

Analysis completion date : June 05, 2023

Quantity of sample received: 1L x 1

Description of sample by the customer: Water sample
(Well Water)

Packaging details: Pet bottle

Physical appearance of the sample: Clear liquid

Tests required: For the parameters listed below, as per Drinking water specification IS 10500:2012

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 25°C	---	Cl.2 of IS 3025 (Pt 11):1983	6.7	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5): 2018	Agreeable	Agreeable
3.	Colour	Hazen Units,max	Cl. 2 of IS 3025 (Pt 4):2021	3.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):1984	0.80	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):1984	75	500
6.	Total Hardness as CaCO ₃	mg/l,max	Cl. 5 of IS 3025 (Pt 21):2009	34	200
7.	Chloride as Cl	mg/l,max	Cl. 2 of IS 3025(Pt 32):1988	21.14	250
8.	Sulphate as SO ₄	mg/l,max	Cl. 4 of IS 3025(Pt 24):1986	8.26	200
9.	Alkalinity as CaCO ₃	mg/l,max	Cl. 8.1 of IS 3025(Pt 23):1986	18.36	200
10.	Iron as Fe	mg/l,max	Cl. 6 of IS 3025 (Pt 53):2003	0.08	1.0
11.	Calcium as Ca	mg/l,max	Cl. 5 of IS 3025(Pt 40):1991	9.62	75
12.	Magnesium as Mg	mg/l,max	Cl. 6 of IS 3025(Pt 46):1994	2.44	30
13.	Free Residual Chlorine	mg/l,min	IS 3025 (Pt 26):2021	BDL(MDL-0.01)	0.2
14.	Fluoride as F	mg/l,max	Cl. 5 of IS 3025 (Pt 60) : 2008	BDL(MDL-0.2)	1.0
15.	Manganese as Mn	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.01)	0.1
16.	Zinc as Zn	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.01)	5.0
17.	Cadmium as Cd	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.001)	0.003
18.	Lead as Pb	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.005)	0.01

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit

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TC-7114

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Page 2 of 2

Report No. : EEL/LR/23/0023298/906

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

....End of Report....


Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs


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



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TEST REPORT

Report No. : EEL/LR/23/0023299/907
Issue Date : June 06, 2023

Issued To:

Page 1 of 1

M/s. Akkavila Sajeenan Aggregates
Veliyam, Kottarakara
Kollam Dist

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.474/4,474/16,174/17,474/5,474/18,474/6,474/21,474/20,474/7,474/24,
474/10,476/8,476/7,476/6,476/4,475/4,475/23,475/24,475/9-1,476/17,474/19&476/20 at Veliyam Village,
Kottarakkara Taluk, Kollam Dist. Kerala.

Sample receipt form Ref. No. : SRF/A/05/907 dt. 30.05.2023

Sampling done by: Lab field technicians

Sample Particulars: Ambient Air sample

Date of monitoring : May 29, 2023 to May 30, 2023
Location of monitoring : Ambient Air Monitoring near East side boundary.
Location of sampler : 3.2 m above ground level
Sampling method : Monitoring Protocol No. EEL/ENV/MP/01
Sample receiving date : May 30, 2023
Analysis starting date : May 31, 2023
Tests required: For the parameters listed below, as per CPCB guidelines

Lab identification code: A/05/907
Analysis completion date: June 03, 2023

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Limit (max)*
1.	Particulate matter (Size less than 10µm) or PM ₁₀	µg/m ³	IS 5182(Pt 23):2006	58.46	100
2.	Particulate matter (Size less than 2.5µm) or PM _{2.5}	µg/m ³	CPCB guidelines 2011	20.25	60
3.	Sulphur dioxide	µg/m ³	IS: 5182 (Pt 2):2001	11.71	80
4.	Nitrogen dioxide	µg/m ³	IS: 5182 (Pt 6): 2006	7.29	80
5.	Carbon Monoxide (8hrs)	mg/m ³	IS: 5182 (Pt 10): 1999	0.80	2.0

* Limit applicable for Industrial, Residential, Rural and other Areas as per National Ambient Air Quality Standards 2009.

Weather and Meteorological Data

Weather condition: Partly sunny

Meteorological Parameters	Max	Min
Temperature (°C)	30	27
Humidity (%)	77	59

Instruments used for Monitoring

1. Respirable Dust Sampler (RDS), Make: Envirotech Instruments Pvt. Ltd. Model: APM 460, ID. No. : EEL/RDS/10
2. Fine Particulate Sampler (FPS), Make & Model: Envirotech Instruments Pvt. Ltd., APM 550, ID. No. EEL/FPS/08
3. CO ANALYZER, Make: Endee Engineers, Model :IR-50, ID NO.:EEL/COA/02

Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs

....End of Report....



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NOISE LEVEL MONITORING REPORT

Report No. : EEL/LR/23/0023300/908

Issued To:

Issue Date : June 06, 2023

M/s. Akkavila Sajeenan Aggregates
 Veliyam, Kottarakara
 Kollam Dist.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.474/4,474/16,174/17,474/5,474/18,474/6,474/21,474/20,474/7,474/24,
 474/10,476/8,476/7,476/6,476/4,475/4,475/23,475/24,475/9-1,476/17,474/19&476/20
 at Veliyam Village, KottarakkaraTaluk, Kollam Dist.

Sample receipt form Ref. No. : SRF/N/05/908 dt. 30.05.2023

Monitoring done by: Lab field technicians

Sample Particulars: Noise Level Monitoring

Date of monitoring : May 29, 2023 to May 30, 2023
 Source of monitoring : Ambient Noise Level monitoring
 Sampling method : Monitoring Protocol No. EEL/ENV/MP/01
 Lab identification code : N/05/908
 Method Used : IS 9989:1981

Presentation of Results

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
1.	06.00 - 07.00	38.1
2.	07.00 - 08.00	39.6
3.	08.00 - 09.00	40.7
4.	09.00 - 10.00	41.3
5.	10.00 - 11.00	42.8
6.	11.00 - 12.00	43.7
7.	12.00 - 13.00	44.2
8.	13.00 - 14.00	46.7
9.	14.00 - 15.00	48.5
10.	15.00 - 16.00	47.3
11.	16.00 - 17.00	45.2
12.	17.00 - 18.00	44.3
13.	18.00 - 19.00	43.5
14.	19.00 - 20.00	42.6
15.	20.00 - 21.00	40.7
16.	21.00 - 22.00	39.2
17.	22.00 - 23.00	38.4

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ENVIRODESIGNS
ECO LABS
(Food Quality / Water / Environmental Testing Lab)



ISO 9001:2015, ISO 45001:2018 Certified organisation
Approved 'A' grade Lab by Kerala State Pollution Control Board
Accredited Lab by NABL as per ISO 17025:2017 (Cert No: TC-7114)
Recognised Lab by Ministry of Environment, Forests & Climate Change (Govt. of India) as per E (P) Act 1986

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Report No. : EEL/LR/23/0023300/908

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
18.	23.00 – 00.00	36.3
19.	00.00 – 01.00	35.7
20.	01.00 – 02.00	32.8
21.	02.00 – 03.00	34.4
22.	03.00 – 04.00	35.2
23.	04.00 – 05.00	36.9
24.	05.00 – 06.00	37.1

Sl. No.	Location of Monitoring	Value Reported in dB (A) L_{eq}	
		Day time	Night time
1.	Ambient Noise Level monitoring measured near East side Boundary	43.0	35.9

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

Note: Day time means - 6.00 AM to 10.00 PM Night time means - 10.00 PM to 6.00 AM

Instrument used for Monitoring

Name of Instrument : Sound Level Meter, Make: Cygnet, Model: 2511, ID No. : EEL/SLM/02

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


Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs



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ANNEXURE 8 - ENVIRONMENTAL MONITORING CELL

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

Sl. No.	Post	Name
1	Head of the monitoring cell	Mr. L. Saiju.
2	Head in charge (Environment)	Mr. Binu R.S, General manager
3	Senior Environmental Officer	Mr. Rajeev D
4	Environmental Officer	Mr. Binu R.S
5	Name of the environmental officer in charge	Mr. Neeraj, Quarry Manager
6	Name of the officer Environment, Health and safety	Mr. Nithin Raj, Mines Manager
8	Name of the environment laboratory	ECO LABS Private Ltd.
9	Address of Environmental laboratory	Janatha Junction, Palarivattom, Kochi