

From,

Date : 24-10-2020

R. KRISHNAMOORTHY
Anju Nivas,
Manakkara, Sasthamkotta,
Kollam, Kerala.

To,

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

Respected Sir/Madam,

Sub: Submission of Half yearly compliance report in respect of R. KRISHNAMOORTHY Quarry project in re-survey nos. 166/2, 166/3, 166/4, 166/6pt at Pattazhy Village, Pathanapuram Taluk, Kollam District, Kerala State- regarding

Ref: Environmental Clearance issued vide letter No. B/DEIAA/23743/17,
DATED: 20-02-2018

With respect to above subject, We are herewith submitting the detailed half yearly Compliance Report for the period from **April 2020 to September 2020** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours faithfully

R. KRISHNAMOORTHY

COMPLIANCE REPORT FOR QUARRY PROJECT OF KRISHNAMOORTHY

SURVEY NOS. : 166/2,166/3,166/4,166/6pt
EXTENT : 3.9342 HECTARES
VILLAGE : PATTAZHY
TALUK : PATHANAPURAM
DISTRICT : KOLLAM
STATE : KERALA

5th COMPLIANCE REPORT
ENVIRONMENTAL CLEARANCE
NO. B/DEIAA/23743/17 DATED 20-02-2018

FOR THE PERIOD FROM APRIL 2020 TO SEPTEMBER 2020

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I. ABOUT THE PROPONENT

Mr.R.Krishnamoorthy, residing at Anju Nivas, Manakkara, Sasthamkotta, kollam, Kerala, operating a Granite (Building Stone) Quarry.

District Environment Impact Assessment authority (DEIAA) Kollam accorded Environmental Clearance No B/DEIAA/23743/17 DT 20-02-2018 to the quarry project in Pattazhy Village, Pathanapuram 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: 166/2, 166/3, 166/4, 166/6pt of Pattazhy Village, Pathanapuram Taluk, Kollam District, Kerala

The proposed project site falls within latitude and longitude value:

Latitude (N)	N 09°04'07.92" to N 09°04'16.69
Longitude (E)	E 76°48' 31.36" to E 76°48' 39.60

c. Project Extent And Activity:

According to the mining plan the total mineable reserves of Granite Building Stone available in the proposed area for first five years is 10,25,000MT. Quarrying can be continued for another 10 years in the extent area of 3.9342 hectares

d. Project Description:

The proposed Granite (Building Stone) quarry over an area of 3.9342 hectares is located in Pattazhy Village, Pathanapuram Taluk, Kollam District, Kerala. The proponent has obtained approval for mining plan to produce 10,25,000 MT of building stone for first five years.

III. REPORT OF COMPLIANCE

GENERAL CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE	REMARKS
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.	
G-3	The project proponent should clearly demarcate the Government land adjacent to the proposed area.	Scrupulously follows the directions contained.	PLATE 1
G-4	While issuing permit on the basis of this environmental clearance, the Geologist should ensure that no LC arrears/LC cases are pending against the project proponent	Scrupulously follows the directions contained.	
G-5	The ultimate depth of quarrying should be limited to 80m 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.	PLATE 2
G-7	Rain water harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.	Provision is made for storage of rain water.	PLATE 3
G-8	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Would be provided.	
G-9	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.	

G-10	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	It is assured that eco-restoration including the mine closure plan will be done at the own cost of the project proponent.	
G-11	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-12	Corporate Social Responsibility (CSR) agreed upon by the proponent shall be complied with.	Activities towards Corporate Environmental Responsibility are being implemented.	ANNEXURE 2
G-13	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.	PLATE 4
G-14	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.	
G-15	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Control measures on noise and vibration is as per KPSCB	
G-16	Quarrying activities should be limited to day time as per KSPCB should be guidelines.	Quarrying activities is limited as per KPSCB guidelines.	
G-17	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-18	A licensed person should supervise/control the blasting operations.	Scrupulously follows the directions contained.	
G-19	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Scrupulously follows the directions contained.	Ref PLATE 2

G-20	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.	PLATE 5
G-21	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 5 x 5 m.	PLATE 6
G-22	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Would be provided.	
G-23	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.	Scrupulously follows	
G-24	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	PLATE 7
G-25	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-26	The transportation of minerals should be done in covered trucks to contain dust emissions.	Scrupulously follows the directions contained.	PLATE 8
G-27	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Would be complied.	ANNEXURE 3 & PLATE 9
G-28	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Scrupulously follows the directions contained.	
G-29	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Scrupulously follows the directions contained.	ANNEXURE 4
G-30	A Minimum buffer distance of 50m 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-31	100m buffer distance should be maintained from forest boundaries.	Scrupulously follows the directions contained.	
G-32	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.	ANNEXURE 5
G-33	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-34	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.	
C-35	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.	
C-36	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 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	Advertised in local newspaper and submitted a copy of it as a proof in the first compliance report.	

	to the office of this Authority as confirmation.		
C-37	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.	ANNEXURE 6
C-38	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, Govt.of India and also to the State Environment Impact Assessment Authority (SEIAA) Office	Conditions are being complied with.	ANNEXURE 1
C-39	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.	PLATE 10
C-40	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.	
C-41	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.	

C-42	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 obstructed due to any mining operations.	
C-43	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 dust emissions.	Scrupulously follows the directions contained as per the conditions.	ANNEXURE 7
C-44	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 Over all 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.	
C-45	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 particularly after monsoon and maintained properly.	Scrupulously follows the directions contained.	

C-46	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.	
C-47	Measures should be taken for control of noise levels below 87dBA in the work environment.	Measures have been taken for the control of noise levels below 87DbA in the work environment.	
C-48	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	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.	ANNEXURE 8
C-49	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.	
C-50	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.	

C-51	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.	
C-52	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.	
C-53	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.	Yes, all 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.	
C-54	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.	
C-55	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 subjected to the final order of the courts in any pending litigation related to the land or project, in any court of law.	
C-56	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 will not intersect ground water table.	

C-57	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.	
C-58	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.	
C-59	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 contractions due to exposure to dust and corrective measures will be taken, if needed.	

IV. ANNEXURES

ANNEXURE 1 - EC ORDER

Proceedings of the District Environment Impact Assessment Authority
(DEIAA) KOLLAM,

(Present : Dr.Chithra.S IAS, Member Secretary, DEIAA & Sub Collector, Kollam.)

Environmental Clearance.

B/DEIAA/ 23743/17

Date: 20.02.2018

Sub: DEIAA - Kollam - Environmental Clearance for Granite building stone quarry orders issued.

- Ref: (1) Minutes of the Meetings of DEIAA held on 29.01.2018 in the chamber of the District Collector, Kollam.
(2) Minutes of the Meeting of DEAC held on 19.12.2017
(3) Application submitted by Shri.R.Krishnamoorthy, Anju Nivas, Manakkara, Sasthamkotta

Shri.R.Krishnamoorthy, Anju Nivas, Manakkara, Sasthamkotta filed, an application for an environmental clearance quarrying for granite building stone in Block No. 4, Re. survey No. 166/2, 166/3, 166/4, 166/6 in Pattazhy Village, Pathanapuram taluk. Kollam District. The total extent of the land is 3.9342 hectares that includes buffer zone 0.6599 hectares and the extent of minable area is 3.2743 hectares. The extent arrives from each survey Nos. are as follows 166/2- 0.4041 hectares, 166/3 - 0.5098 hectares, 166/4 - 1.9149 hectares, and 166/6 pt - 1.1054 hectares

The land in Re survey no. 166/6 is owned by Smt.Beena Paul, Manalil Bunglaw, Manchallur, Pathanapuram, and in Re survey no. 166/4 is owned by Sri. Pramod and Smt.Parvathy, Kuttur Kizhakkathil, Kannimel, Pattazhy, Pathanapuram and the rest of the proposed site belongs to the proponent himself. The project proponent had submitted consents from the land owners.

After preliminary verification, the application was forwarded to DEAC. The DEAC members inspected proposed site on 28.01.2017 and reported that the area falls within latitudes 9^o4'7.92" N and 9^o4'16.69" N and longitudes 76^o 48'31.36"E and 76^o 48' 39.60" E.

DEAC has reported that a part of the proposed area has been under quarrying activities for several years. The flanks are vertical as quarrying was not done with benches. The rock is mainly charnockite. Deep water logged pits can be seen in the already mined areas of the quarry. Rubber is the prominent land use. There is a farm house at a distance of 124 m from the proposed area.

As per the mining plan submitted by the proponent life of the mine is 10 years and the total production of Granite Building Stone for the first five year is 10,25,000MT. The average thickness of the overburden in the area is 1.5 - 2 m. The

overburden generated for the first five years shall be 80,000MT. The amount provided by the proponent for Corporate Social Responsibility Rs.4,00,000/- per annum.

The District Expert Appraisal Committee has reported that the area towards the south of the proposed site is well elevated and thickly vegetated, where the thickness of overburden is around 3 m. This area falls within the Bench points P 8 and P 18. This particular area should not be mined. The greenery in this particular area should be preserved. This entire area should be treated as an extended buffer zone and clearly demarcated. The project proponent has submitted a revised mining plan. As per the revised mining plan the area of the extended buffer zone lies between the bench points is 0.7192 hectares and the mineable area is 2.5551 hectares.

The meeting of DEAC held on 19.12.2017 had recommended the issuance of environmental clearance for the proposed quarry project.

The meeting of DEIAA held on 29.01.2018 in the chamber of the District Collector decided to issue environmental clearance for granite building stone quarry in the 3.9342 hectares of land, that includes mineable area 2.5551 hectares, buffer zone 0.6599 hectares and an extended buffer zone of 0.7192 hectares between the bench points P8 and P18, comprised in Block No.4 Re. survey nos. 166/2, 166/3, 166/4 and 166/6 in Pattazhy village, Pathanapuram Taluk, Kollam district. 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. The project proponent should clearly demarcate the Government land adjacent to the proposed area.
4. While issuing permit on the basis of this environmental clearance, the Geologist should ensure that no LC arrears/ LC cases are pending against the project proponent.
5. The ultimate depth of quarrying should be limited to 80 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. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.

9. Sprinklers shall be installed and used in the project site to contain dust emissions.
10. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
11. 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.
12. Corporate Social Responsibility (CSR) agreed upon by the proponent shall be complied with.
13. 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.
14. Warning alarms including the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
15. Control measures on noise and vibration prescribed by KSPCB should be implemented.
16. Quarrying activities should be limited to day time as per KSPCB guidelines
17. Blasting should be done in a controlled manner as specified by the regulations of Explosive Department or any other concerned agency.
18. A licensed person should supervise/control the blasting operations.
19. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
20. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.
21. 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.
22. Mats to reduce fly rock blast to a maximum of 10PPV should be provided.
23. 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.
24. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
25. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
26. The transportation of minerals should be done in covered trucks to contain dust emissions.
27. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
28. Disposal of spent oil from diesel engines should be as specified under relevant rules/regulations.
29. Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.

30. 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.
31. 100m buffer distance should be maintained from forest boundaries.
32. Consent from Kerala State Pollution Control Board under Water and Air Act (s) should be obtained before initiating mining activity.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.

40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. Measures should be taken for control of noise levels below 87dB in the work environment.
48. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.
49. 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.
50. 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.

51. 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.
52. The DEIAA may revoke or suspend the order, for non-implementation of any of the specific conditions or the implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions of stipulate any further conditions in the interest of environment protection.
53. 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.
54. This order is valid for a period of 5 years or the expiry of mine lease period issued by the Government of Kerala, whichever is earlier.
55. 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.
56. The mining operation shall be restricted to above ground water table and it should not interest ground water table.
57. 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.
58. 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.
59. Occupational health surveillance programme of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(Sd/-)

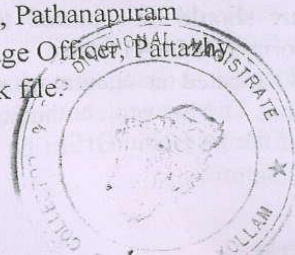
**Member Secretary DEIAA &
Sub Collector, Kollam**

To

Shri.R.Krishnamoorthy, Anju Nivas, Manakkara, Sasthamkotta.

Copy to

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



Forwarded by order

Senior Superintendent

ANNEXURE 2

CORPORATE ENVIRONMENT RESPONSIBILITY (CER)

1	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
2	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
3	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	2000.00
4	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
5	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	2000.00
6	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
7	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
8	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
9	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
10	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	2000.00
11	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00

12	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
13	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	2000.00
14	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
15	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	1000.00
16	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	2000.00
17	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
18	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00
19	നവീകരണം, പരിസ്ഥിതി സംരക്ഷണം	3000.00

3.5

20 ~~മെമ്പർഷിപ്പ് ഫീസ്~~ 2109/2020
 8100. 06/12/20 1000

21 ~~അടവുകൾ~~ 2110/20
 07/12/2020 : 3000-00

22 ~~ഡ്രിങ്ക്~~ 2111/2020
 07/12/2020 : 1500-00

23 ~~ഡി. പി. ഓഫീസ്~~ 2112/2020
 07/12/2020 : 1000-00

24 ~~2113/2020~~ 25/12/20 1000 ✓

25 ~~2114/2020~~ 26/12/20 4000-00

26 ~~2115/2020~~ 01/03/20 - 3000-00

27 ~~2116/2020~~ 11/03/20 - 2000-00

28 ~~2117/2020~~ 11/03/20 - 2000-00

ANNEXURE 3

Natural vegetation including trees, shrubs and herbs present in the quarry site are mentioned in the table below: -

Sl No.	Scientific Name	Common Name	Family
1	<i>Hevea Brasiliensis</i>	Rubber	Euphorbiaceae
2	<i>Artocarpus hirsutus</i>	Anjili	Moraceae
3	<i>macaranga peltata</i>	Vatta	Euphorbiaceae

ANNEXURE 4

ANNEXURE NO: 6

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

दिनांक (Date): 30/03/20

आ. सं. (No.): E/SC/KL/22/1158(E58211)

भ. में | To,

Shri R. Krishnamoorthy,
 Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Town/Village - Bharanikavu
 District-KOLLAM, State-Kerala, Pincode - 690520

विषय

Survey No.173/4,, ग्राम Pattazhi village,pathanapuram taluk, Kollam Distri, जिला KOLLAM, राज्य Kerala में मेसर्स Shri R. Krishnamoorthy द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुमति सं E/SC/KL/22/1158(E58211)के संशोधन संदर्भ में।
 (अपरिच्छिन्न / सुविधाएं / परिसर में परिवर्तन)

Subject:

Possession for Use of of Explosives from magazine situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Dist. KOLLAM, Kerala -Licence No.: E/SC/KL/22/1158(E58211) granted in Form LE-3 of Explosives Rules, 2008 -
 (Amendment in Drawings/Facilities/Premises).

Sir,

उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 10/03/2016 का संदर्भ ग्रहण करें।
 Please refer to your letter no. Nil dated 10/03/2016.

अनुमति संख्या E/SC/KL/22/1158(E58211) 1.INTIMATION REGARDING QUARRY PERMIT IN THE NAME OF THE LICENSEE FOR BLASTING OPERATIONS AT SY.NO. 243/3,232/2-6 OF ERATHU VILLAGE, ADOOR TALUK, PATHANAMTHITTA DISTRICT IS ACKNOWLEDGED.NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY TO BE SUBMITTED TO THIS OFFICE.2. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION. 2. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.3. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.4. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 5. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED.6.DAILY PASS FOR USE OF EXPLOSIVES (RE-13)SHALL BE GENERATED ONLINE. 7. TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO THE QUARRY SITE SHALL BE DONE FROM LICENCED EXPLOSIVES VAN. EXPLOSIVES AND DETONATORS SHALL BE TRANSPORTED SEPARATELY AND NOT TO BE TRANSPORTED IN SAME VAN. के संदर्भ में यथा संशोधित कर भेजी जा रही हैं।
 Licence No.: E/SC/KL/22/1158(E58211) is forwarded herewith duly amended in respect of followings ;
 INTIMATION REGARDING QUARRY PERMIT IN THE NAME OF THE LICENSEE FOR BLASTING OPERATIONS AT SY.NO. 243/3,232/2-6 OF ERATHU VILLAGE, ADOOR TALUK, PATHANAMTHITTA DISTRICT IS ACKNOWLEDGED.NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY TO BE SUBMITTED TO THIS OFFICE.2. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION. 2. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.3. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.4. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 5. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED.6.DAILY PASS FOR USE OF EXPLOSIVES (RE-13)SHALL BE GENERATED ONLINE. 7. TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO THE QUARRY SITE SHALL BE DONE FROM LICENCED EXPLOSIVES VAN. EXPLOSIVES AND DETONATORS SHALL BE TRANSPORTED SEPARATELY AND NOT TO BE TRANSPORTED IN SAME VAN.

इसका भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।
 Licence capacity at any one time shall not exceed the kinds and quantities mentioned below ;

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	2000	Mtrs
		6	3	0	2000	Nos.

यह अनुज्ञप्ति दिनांक 31 मार्च 2020 तक प्रवृत्त रहेगी।
This Licence shall remain valid till 31st day of March 2020.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया प
For further revalidation (if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter m
acknowledged.

भवदीय | Yours faithfully

(एस.एम.कुलकर्णी | S M Kulkarni)

विस्फोटक नियंत्रक | Controller of Explosives

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

कृते कोडची मुम्बई विस्फोटक नियंत्रक

For Deputy Chief Controller of Explosives

एरनाकुलम Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. District Magistrate, KOLLAM, Kerala with reference to his Noc No: D.Dis.7754/09/M7 Dated: 02/12/2010
2. Superintendent of Police, KOLLAM, Kerala.

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

कोच्ची | Ernakulam

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

(सेट VIII, Set VIII)

यदि 1, 2, 3, 4, 5, 6, और 7 के विस्फोटकों को किसी या प्रयोग हेतु रखने के लिए प्रत्येक एन.ई. 3 (अनुच्छेद 3 (ख) से (ग)) में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञापन सं. E/SC/KL/22/1158(E58211) की शर्तें निम्नलिखित हैं।
following are the conditions of licence number E/SC/KL/22/1158(E58211) 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.

1. पौधर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य क्षमता से अधिक नहीं होगी।
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
2. विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुसूची के अन्तर्गत में विनिर्दिष्ट सुरक्षा शर्तों बनाए रखना होगा।
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
3. मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञापन में विनिर्दिष्ट हैं, रखने के लिए और ऐसे रखने से संबंध आमतान या औजार या उपकरणों के रखने के लिए भी 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.
4. पैकेजों को खोलने का कार्य और विस्फोटकों को तोड़ने 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.
5. शेर या दो से अधिक वर्गों 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 पृथक् कर दिया जाए कि किसी प्रकार से विस्फोटक में लगने वाली आग या छेदने वाला विस्फोटक किसी अन्य वर्ग के विस्फोटक तक न पहुंच सके; परंतु -
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो यौगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत अर्थात् वाले सुरक्षा पत्तियों और वर्ग 6 प्रभाग 2 के अंतर्गत अर्थात् वाले विस्फोटक प्रेक पत्तियों, दिव्य कोई खुला लोहार या इसका नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थान के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बाकूद 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.
6. वर्ग 3 (नाइट्रो यौगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात् दिवस 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.
7. वर्ग 3 (नाइट्रो यौगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात् मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी से दी की।
(1) जब ऐसा मंजूरी दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अर्जित करा जाता है जो जिसमें दी हुई मंजूरी के अंतर्गत आनेवाली अवधि दर्शाते की गई हो और ऐसे प्रमाणपत्र के अनुसूची (ग) अपने पास रखे जा और माग की जाने पर प्रस्तुत होगा।
(ii) जब कोई विस्फोटक नियंत्रक बुद्धता का न रह जाने के कारण या दुरुगोचन या नाइट्रो यौगिक या इस नाइट्रो यौगिक के निकल जाने के विना प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपर्युक्त नहीं है, तब भी अनुसूची (ग) अपने ही साथ पर ऐसे विस्फोटक के निर्यात के लिए ऐसे निरीक्षण का अनुज्ञापन करोगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करे।
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 भीतर तथा या उसके समीप बेंचों, शेल्फों और फिटिंग्स का इस प्रकार बतियाया किया जाएगा या उन्हें इस प्रकार अंतर्गत या अंतर्गत किए जाएंगे कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क होना संभव नहीं हो सके; और जो लोहे या इस्पात के लोहे होने के विरुद्ध सावधानी से संरक्षित इस शर्त का वह भाग ऐसे किसी प्रकार में कार्यकर नहीं होगा जिसमें वर्ग 6 (गोला बाकूद) के प्रथम के विस्फोटक से बिना 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 afflicted by water, due precautions shall be taken to exclude water therefrom.
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 तबिन वालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुसूची (ग) ऐसे परीक्षण के लिए विहित फीस का संस्थापन करेगा यदि परीक्षण असमाधानकारी साबित होता है तो अपनी ही फीस अनुसूची (ग) द्वारा पश्चात्तर्ती प्रत्येक परीक्षण के लिए सब तक की जाती होगी जब तक कि परीक्षण अधिकारी तबिन वालक को समाधान-प्रद घोषित नहीं कर देता।
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी वालक के लिए गए सभी परीक्षणों के लिए प्रभावी होगा।
परंतु यह और कि यदि दो या अधिक तबिन वालक एक ही मैगजीन में संरक्षित हैं तो ऐसे सभी वालकों के परीक्षण के लिए फीस ऐसी कि जिसमें से अधिक नहीं होगा जो किसी एक तबिन वालक के परीक्षण के लिए ही निर्धारित की गई है।
If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed in, res. In the event 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.
10. 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.
अनुसूची (ग) में वर्णित कार्यक्रम यथा, अनुसूची (ग) के प्रयोग द्वारा तथा तबिन लोहे का अन्यथा अथवा ऐसे किसी कारणों द्वारा इस प्रकार संयुक्त अवधि किया जाएगा कि फेसदी परीक्षा में अंतिम, दिवसलाई अन्तर्गत मैगजीन को संतुष्ट या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती है, किन्तु इस शर्त के कारण एसी संतुष्ट, स्थिति या स्वरूप में किसी क्षतिग्रस्त वस्तु का प्रवेश नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपरबर्तन को लागू होता है, ऐसे किसी प्रकार के संस्कार में बाध्य कर नहीं होगा जिससे फीस 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



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

संख्या (No.) E/SC/KL/22/1158(E58211)

दिनांक (Date): 18/12/2017

प्राप्त (To)

श्री R. Krishnamoorthy,
Swathincota P.O., Bharanikavu, Kollam District, Kerala-690520, Town/Village - Bharanikavu
District-KOLLAM, State-Kerala, Pincode - 690520

18 DEC 2017

विषय: Survey No.173/4., ग्राम Pattazhi village, pathanapuram taluk, Kollam Distri, जिला KOLLAM, राज्य Kerala में निवासी श्री R. Krishnamoorthy द्वारा विस्फोटक के मासिक मर्यादा के लिए
कक्षा 2 न्यू विस्फोटक विभाग, 2008 के अंतर्गत LE-3 में जारी अनुमति सं E/SC/KL/22/1158(E58211) के संशोधन संबंध में
(विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject: Possession for Use of Explosives from magazine situated at Survey No.:173/4, Pattazhi village, pathanapuram taluk, Kollam Distri, Dist.
KOLLAM, Kerala -Licence No.: E/SC/KL/22/1158(E58211) granted in Form LE-3 of Explosives Rules, 2008 -
(Amendment of Quantity of Explosives/Monthly-Purchase Limit)

संदर्भ (Ref)

आपका संदर्भ दिनांक 18/12/2017 का संदर्भ प्रेषण करें।
Please refer to your letter no. NH dated 18/12/2017

संख्या (No.) E/SC/KL/22/1158(E58211) ADDL QUARRY AT S.NO.166/2,166/3,166/4,166/6pt, PATTAZHI VILLAGE, PATHANAPURAM TALUK vide letter
no.6477/M3/2017 dated 21.08.2017(DMG, Thiruvananthapuram) के संदर्भ में पत्र भेजा जा चुका है।
The licence No. E/SC/KL/22/1158(E58211) is forwarded herewith duly amended in respect of followings;

ADDL QUARRY AT S.NO.166/2,166/3,166/4,166/6pt, PATTAZHI VILLAGE, PATHANAPURAM TALUK vide
letter no.6477/M3/2017 dated 21.08.2017(DMG, Thiruvananthapuram).

दिनांक की एक बार में खरीदने की अधिकतम क्षमता निम्नलिखित वर्गों तथा मात्रा से अधिक नहीं होगी।
The licence capacity at any one time shall not exceed the kinds and quantities mentioned below :

Table with 7 columns: क्र. (No), विस्फोटक (Explosive(s)), वर्ग (Class), प्रभाग (Div), उप-प्रभाग (Sub Div), क्षमता (Capacity), इकाई (Unit). Rows include Nitrate Mixture, Safety Fuse, Ordinary Detonator, and Electric Detonators.

दिनांक की एक बार में खरीदने की अधिकतम क्षमता निम्नलिखित वर्गों तथा मात्रा से अधिक नहीं होगी।
Quantity of explosives to be purchased in a calendar month/applicable for licence under article 3(b) and (c)] : 20 गुना
20 times as above.

यह अनुमति दिनांक 31 मार्च 2020 तक प्रवृत्त होगी।
This Licence shall remain valid till 31st day of March 2020.

अनुमति के अंशदाता नवीकरण हेतु कृपया विस्फोटक विभाग, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया ध्यान दें।
For further (evaluation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

भवदीय | Yours faithfully
(डा. अशोक कुमार यादव | Dr. Ashok Kumar Yadav)
संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives
दक्षिण वृत्त, चेन्नै | South Circle, Chennai

प्रतिलिपि भेजा | Copy Forwarded to:

- 1. संयुक्त मुख्य विस्फोटक नियंत्रक कोचि
The Dy. Chief Controller of Explosives, Kochi
2. जिला Magistrate, KOLLAM, Kerala with reference to his Noc No. D.Dis.7754/09/M7 Dated: 02/12/2010
3. Superintendent of Police, KOLLAM, Kerala.

Conditions

- other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.
- 11. अनुसंधान प्रारंभिक रूप आर.ई.-3 और आर.ई.-4 वा आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखा और विस्फोटक नियम, 2008 के अधीन प्रतिकृत किसी भी अधिकारी के समक्ष उनके द्वारा रखा करने की भांति की जाने पर स्टॉक पुस्तक और अभिलेख प्रस्तुत होगा। स्टॉक पुस्तक विहित प्रोफार्मा में पूरा संख्यांकित होगा।
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. परिवर्तन या नवीनीकृत अनुसंधान प्रारंभिकारी के पूर्वनिर्धारित विना नहीं की जाएगी और अनुसंधान प्रारंभिकारी को इस विधि अनुसंधान प्रारंभिकारी 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. मैनोमैटर सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी)। यदि किसी कारणवश किसी विस्फोटक के पर्यवेक्षण के लिए मैनोमैटर अनुपयुक्त हो जाती है तो अनुसंधान प्रारंभिकारी को सूचना देना।
Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever
साफ़ और अनुसंधान प्रारंभिकारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार वैज्ञानिक विवरणों प्रस्तुत करेगा।
The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
- 14. यदि सुरक्षा दूरी का कोई अधिकरण होता है तो उसकी सूचना अनुसंधान प्रारंभिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी।
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
- 15. यदि कोई विस्फोटक विनाश हुआ अथवा अनुपयोगी जाना जाता है तो उसकी सूचना अनुसंधान प्रारंभिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी।
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
- 16. विस्फोटकों के पैकेटों के चबूटे इस प्रकार लगाए जाएंगे कि काम से काम एक एक भागदार किए गए सभी पैकेटों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विधियों को पढ़ने के लिए उनके बीच से होकर आ जा सके।
The explosive packages shall be stocked in such a way so as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.
सभी पैकेटों की सूची के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओहम से अधिक नहीं होगा।
The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms
- 17. मैनोमैटर के चारों ओर 15 मीटर की दूरी के अंदर कोई शूलक भास या ड्राईर या ज्वलनशील सामग्री नहीं रखी जाएगी।
A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials
- 18. विस्फोटकों के प्रत्येक पैकेट को, जब उसे मैनोमैटर के भीतर रखा जा रहा हो, ठीक दशा करने के लिए परीक्षा की जाएगी।
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition
- 19. किसी मैनोमैटर / सहायक में किसी एक समय में चार अधिकारियों से अधिक को नहीं रखा दिया जाएगा।
Not more than 4 persons shall be allowed inside the magazine or store house at any one time
- 20. विस्फोटकों के खाली पैकेटों को शीघ्रतम बर्तन में रखा दिया जाएगा और नष्ट कर दिया जाएगा।
Empty packages of the explosives shall be removed at the earliest and destroyed.
- 21. अनुसंधान प्रारंभिकारी और कर्मचारियों को परीक्षा के भीतर आगलकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
- 22. निरीक्षण या नमूना अभिकारी को अपनी दृष्टिपूर्वक समझ पर अनुमत परीक्षा में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबन्धों और सुरक्षा विधियों को समझना; अनुसंधान प्रारंभिकारी को यह है, अधिकांश को प्रत्येक सुरक्षा प्रदान की जाएगी।
Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
- 23. यदि अनुसंधान प्रारंभिकारी या विस्फोटक निरीक्षण अनुसंधान प्रारंभिकारी को अनुमत परीक्षा या परीक्षा, दूरी या अवकाश में ऐसा कोई परमट या परिवर्तन या परिवर्तन करने या विनिर्माणों को लागू करने को निर्बंध रूप में सुनिश्चित कराने में परीक्षा के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए, आवश्यक है, अनुसंधान प्रारंभिकारी को विधायित करेगा और विनिर्दिष्ट अवधि के भीतर अनुसंधान प्रारंभिकारी को देगा।
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the licence shall execute the recommendations and report compliance within the period specified by such authority.
- 24. अनुसंधान प्रारंभिकारी को खरीद और बिक्री के लिए प्रारंभिक विस्फोटक सूची में उल्लिखित अनुसंधान फेक्ट्री या कम्पनी से प्रारंभिक विस्फोटक / आतिशबाजी या सुरक्षा पत्तियों खरीदना।
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
- 25. निम्न से अधिक ध्वनि स्तर उपायित करने वाले आतिशबाजी पदार्थों की बिक्री और रखने के लिए—
(क) जो पदार्थों को जगह से चार मीटर की दूरी पर है, 125 डी.बी. (ए) या 145 डी.बी. (सी) डी.बी. के प्रतिबंधित होंगे;
(ख) ध्वनि स्तर (जुड़े हुए पदार्थ) को गहन करने वाले व्यक्तिगत पदार्थों के लिए अपेक्षित उल्लिखित सीमा 5 लोग, 10 (ए) डी.बी. (सी) डी.बी. के प्रतिबंधित होंगे;
The possession and sale of fire-crackers generating noise level exceeding;
a) 125 dB(A) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log10 (N) dB, where N = number of crackers joined together
- 26. आग या विस्फोट अथवा दुर्घटना या नुकसान पदार्थों की कमी या घटी, सुरक्षा भास के पुलिस जाने और अनुसंधान प्रारंभिकारी और अनुसंधान प्रारंभिकारी 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. अनुसंधान प्रारंभिकारी विदेशी मूल के आतिशबाजी को न प्रदर्शित करेगा, न रखेगा और न ही उसकी बिक्री करेगा। The licensee shall not exhibit, possess and sell fireworks of foreign origin.


 For Joint Chief Controller of Explosives
 शिक्षावर्त, चेंने। South Circle, Chennai

ANNEXURE 5

POLLUTION CERTIFICATE



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KO/ICO/G/781/2016

Date of issue :28/02/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/KO/ICO/R1/460/2018

Ref : 1) Consent No.PCB/KO/ICO/F/460/2016 dated 20.08.2016.

2) Affidavit dated 19.12.2017.

3) Environmental Clearance Certificate no.B/DEIAA/23743/17 dated 20.02.2018

The 'Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY KRISHNAMOORTHY,SURVEY NO: 166/4, PANTHAPLAVIL, PATTAZHY P.O, KOLLAM is hereby renewed up to 19/02/2023 and issued to M/s QUARRY OWNED BY KRISHNAMOORTHY, SURVEY NO: 166/4, 166/3,166/2,166/6. PANTHAPLAVIL,PATTAZHY P.O,KOLLAM. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Annual fee(Rs)	4050/-
2	Category	Red
3	Capital Investment(In Lakhs)	13
4	Fee Remitted(Rs)	26425/-
5	Validity	19.02.2023
6	Activity	Quarrying of granite building stone from 2.5551 Hectares of land in survey no.166/4, 166/3,166/2,166/6

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

III. CONDITIONS

1. This consent is valid upto 19.02.2023. For continuing to operate beyond the validity date application for the renewal has to be submitted through online (website:krocms.nic.in) before 19.11.2022.
- 2) This consent is issued based on the Environmental Clearance Certificate no.B/DEIAA/23743/17 dated 20.02.2018 and 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.

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

DATE :28/02/2018

SIMI P

Digitally signed by SIMI P
Date: 2018.02.28 19:07:25
+05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, KOLLAM



To
R.KRISHNAMOORTHY,
ANJU NIVAS,
MANAKKARA,
SASTHAMKOTTA 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 krocms.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.

ANNEXURE 6

PANCHAYATH LICENSE



ലൈസൻസ് നമ്പർ A.2.1493/2018

തീയതി 10.4.2018

പട്ടാഴി ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

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

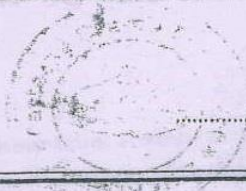
വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

<p>ലൈസൻസിയുടെ പേരും മേൽവിലാസവും</p>	<p><u>കൃഷ്ണകൃഷ്ണി, അഞ്ചുനിലാസ്,</u> <u>മനക്കര, ശാസ്താം കോട്</u></p>
<p>സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും</p>	<p><u>സാരഥി</u></p>
<p>ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ</p>	<p><u>പഠന ഖനനം നടത്തുന്നതിന്</u> <u>മൈനിംഗ് & ജിപ്സം വളച്ചിൽ</u> <u>ചാക്കുതൊഴുപ്പിന്</u></p>
<p>കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും</p>	<p><u>സർവ്വേ നം : 166/2, 166/3, 166/4, 166/6</u> <u>വിലപ്പേര് : 21500</u></p>
<p>ലൈസൻസ് കാലയളവ്</p>	<p><u>10.4.2018 മുതൽ 20.6.2018 വരെ</u> <u>21.6.2018 - 31.3.2019 വരെ</u></p>
<p>ഇതുകീഴെ ലൈസൻസ് ഫീസ്</p>	<p><u>1000/- രൂപ</u></p>
<p>ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)</p>	<p><u>മിനിമൽ റിമോവൽ ലൈസൻസ് നിന്നുള്ള</u> <u>അനുമതി (കാലാവധി : 19.2.2023)</u> <u>മെക്സ്പ്ലോസിവ് ലൈസൻസ് (31.3.2020 വരെ)</u> <u>ബ്ലാസ്റ്റിംഗ് ലൈസൻസ് (20.6.2018 വരെ)</u></p>

R. JAYADEVAN PILLAI
നമ്പർ Secretary
Pattazhy Grama Panchayath
Pattazhy P.O., Pin : 691522
Ph. 0475 2399458

ഓഫീസ് മുദ്ര



പട്ടാഴി

R. JAYADEVAN PILLAI
Secretary
Pattazhy Grama Panchayath
Pattazhy P.O., Pin : 691522
Ph. 0475 2399458

ലൈസൻസി താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു

1. കേരളാ പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ / സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
3. എൽ സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്ക വിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം ലഭിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർമ്മിക്കുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഓരോ പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെരിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും, ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
9. ലൈസൻസി മേൽപറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഭാവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്ത് വയ്പിക്കേണ്ടതാണ്.
10. അയിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദ് ചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള തിക്ക് രോഗമോ കൃഷി രോഗമോ വ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. 40 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക്കുകളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഫോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്ലെറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗ്ലൂഡ് തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
16. ബാലവേല അനുവദിക്കാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.

N.B :- ഈ ലൈസൻസ് അവസാനിക്കുന്ന തീയതിയ്ക്ക് 30 ദിവസം മുമ്പ് ലൈസൻസി പാലയ്ക്കു തുടങ്ങുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്.




 സെക്രട്ടറി
K. JAYADEVAN PILLAI
 Secretary
 Panchayath
 Pattazhy P.O., Pin : 591101
 Ph: 0475 2359458

ANNEXURE 7

LAB REPORTS



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

TEST REPORT


Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/7629/2020
Mr. Krishnamoorthy Anju Nivas Mankara Sasthancotta Kollam, Kerala	Date of issue:	20/10/2020
	Date of monitoring	14/10/2020 12.00 Hrs to 15/10/2020 12.00 Hrs
	Date of sample received:	15/10/2020
	Date of analysis	16/10/2020
	Monitoring Location	Quarry Owned by Mr. Krishnamoorthy Sy.No.166/2,166/3,166/4,166/6pt Village: Pattazhi Taluk : Pathanapuram District :Kollam, Kerala
	Sample description	Ambient air -South side
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	IS 5182 Part 23 2006RA2012	46.2 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	CPCB	20.4 µg/m ³	60 µg/m ³
03	Sulphur dioxide	IS 5182 Part 2 2001 RA 2017	3.8 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	1.2 µg/m ³	80 µg/m ³

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory	For and on behalf of POLUCHEM LABORATORIES (P) LTD.
	 AUTHORIZED SIGNATORY

SREEJA RAMESH
Quality Manager
PoluChem Laboratories (P) Ltd.



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

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TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/RT/SD/7630/2020			
Mr. Krishnamoorthy Anju Nivas Mankara Sasthancotta Kollam, Kerala	Date of issue:	20/10/2020			
	Date of monitoring	14/10/2020 to 15/10/2020			
	Monitoring Location	Quarry Owned by Mr. Krishnamoorthy Sy.No.166/2,166/3,166/4,166/6pt Village: Pattazhi Taluk : Pathanapuram District :Kollam, Kerala			
	Sample Description	Ambient Sound Level –South Side			
HOURLY INTERVAL	RESULT	HOURLY INTERVAL	RESULT		
06.00 AM-07.00 AM	39.5 dB (A)	11.00 PM-12.00AM	33.4 dB (A)		
07.00 AM- 08.00 AM	38.4 dB (A)	12.00 AM-01.00 AM	34.6 dB (A)		
08.00 AM- 09.00 AM	39.5 dB (A)	01.00 AM- 02.00 AM	35.4 dB (A)		
09.00 AM -10.00 AM	41.3 dB (A)	02.00 AM-03.00 AM	36.2 dB (A)		
10.00 AM-11.00 AM	42.6 dB (A)	03.00 AM-04.00 AM	37.8 dB (A)		
11.00 AM-12.00 PM	44.1 dB (A)	04.00 AM -05.00 AM	36.5 dB (A)		
12.00 PM-01.00 PM	42.6 dB (A)	05.00 AM-06.00AM	35.4 dB (A)		
01.00 PM-02.00 PM	44.1 dB (A)				
02.00 PM-03.00 PM	43.2 dB (A)				
03.00 PM-04.00 PM	44.1 dB (A)				
04.00 PM-05.00 PM	43.2 dB (A)				
05.00 PM-06.00 PM	39.5 dB (A)				
06.00 PM-07.00 PM	38.2 dB (A)				
07.00 PM-08.00 PM	37.4 dB (A)				
08.00 PM-09.00 PM	36.2 dB (A)				
09.00 PM-10.00 PM	35.4 dB (A)			LDay	43.6 dB (A)
10.00 PM-11.00 PM	34.6 dB (A)			LNight	36.3 dB (A)

Limits: Industrial Area Day Time-75dB(A),Night Time- 70dB(A),Commercial area Day Time -65 dB(A),Night Time 55dB(A), Residential area Day Time -55 dB(A),Night Time -45dB(A),Silence zone day time-50dB(A),Night time-40dB(A)
Day Time from 06.00 am to 10.00 pm & Night Time from 10.00 pm to 06.00 am

*End of the Report *

For PoluChem Laboratories (P) Ltd.

Authorized Signatory

SREEJA RAMESH

Quality Manager

PoluChem Laboratories (P) Ltd.



POLUCHEM LABORATORIES (P) LTD.

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TEST REPORT

Client Name & Address Mr. Krishnamoorthy Anju Nivas Mankara Sasthancotta Kollam, Kerala	Certificate No:	PL/RT/SO/7631/2020
	Date of issue:	20/10/2020
	Date of monitoring	15/10/2020
	Monitoring Location	Quarry Owned by Mr. Krishnamoorthy Sy.No.166/2,166/3,166/4,166/6pt Village: Pattazhi Taluk : Pathanapuram District :Kollam, Kerala
	Sample Description	Soil
Parameter	Test Method	Results
pH	IS 2720(Part25)-1973	6.14
Electrical Conductivity	IS 14767:2000RA2016	147 μ S/cm
Potassium as K	EPA 3050 B	56 mg/kg
Phosphorus as P	IS 10158 :1982 RA 2014	36 mg/kg
Nitrogen as N	IS 14684: 1999 RA 2014	104 mg/kg
Organic Carbon	IS2720(Part 22)-1972	0.84 %
Calcium as Ca	EPA 3050 B	54 mg/kg
Magnesium as Mg	EPA 3050 B	47 mg/kg
Chloride as Cl	UEPA9212	174 mg/kg
Sulphate as SO ₄	IS 2720 Part27:1977	84 mg/kg

For PoluChem Laboratories (P) Ltd.

Authorized Signatory.

SREEJA RAMESH

Quality Manager

PoluChem Laboratories (P) Ltd.

End of the Report

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TEST REPORT

Page 01 of 01

Ref.No. PL/RT/OW/7632/2020

Date of Issue: 20/10/2020

Name & address of customer

: Quarry Owned by Mr. Krishnamoorthy

Sy.No.166/2,166/3,166/4,166/6pt

Village: Pattazhi

Taluk : Pathanapuram

District :Kollam, Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Drinking Water

Location of sampling

: Open Well

Date of sample collected

: 15/10/2020

Date of analysis started

: 16/10/2020

Date of completion of analysis

: 19/10/2020

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.36	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	71 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	21.3 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	10.2 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	14.7 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	5.8mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	2.3 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.23 mg/l	1.0 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	6.3 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	5 mg/l
Manganese as Mn	IS 3025(P) 59– 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41– 1992 RA2014	BDL	0.003 mg/l
Lead as Pb	IS 3025(P) 47– 1994 RA2014	BDL	0.01 mg/l
Coliforms(MPN/100ml)	IS 1622: 1981 RA 2009	70	Absent
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

* End of the report*

Authorized Signatory
SREEJA RAMESH
Quality Manager
Poluchem Laboratories (P) Ltd.

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TEST REPORT

Page 01 of 01

Ref.No. PL/RT/SW/7633/2020

Date of Issue: 20/10/2020

Name & address of customer

: Quarry Owned by Mr. Krishnamoorthy

Sy.No.166/2,166/3,166/4,166/6pt

Village: Pattazhi

Taluk : Pathanapuram

District :Kollam, Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Water Sample

Location of sampling

: Surface Water

Date of sample collected

: 15/10/2020

Date of analysis started

: 16/10/2020

Date of completion of analysis

: 19/10/2020

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	8 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	2 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.21	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	94 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	32.4 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	12.7 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	20.5 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	8.97 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	4.56 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.28 mg/l	1.0 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	BDL	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l
Biochemical Oxygen Demand (3 days at 27 ^o C)	IS 3025 (P) 44 – 1993RA 2014	2.9 mg/l	--
Chemical Oxygen Demand	IS 3025 (P) 58 – 2006 RA2017	18 mg/l	--
Dissolved Oxygen	IS 3025 (P) 44 – 1989RA 2014	5.2 mg/l	--
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	5 mg/l
Manganese as Mn	IS 3025(P) 59– 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41– 1992 RA2014	BDL	0.003 mg/l
Lead as Pb	IS 3025(P) 47– 1994 RA2014	BDL	0.01 mg/l
Coliforms(MPN/100ml)	IS 1622: 1981 RA 2009	110	Absent*
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

* End of the report*

Authorized signatory
SREEJA RAMESH
Quality Manager

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ANNEXURE 8 - ENVIRONMENTAL MONITORING CELL

An environmental monitoring cell was formed with Mr Krishnamoorthy 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.R. Krishnamoorthy (Proprietor)
2	Head in charge (Environment)	Mr. Unni Krishnapilla, General manager
3	Senior Environmental Officer	Mr. Vijayanpilla, Manager
4	Environmental Officer	Mr. Faisal, Crusher Manager
5	Name of the environmental officer in charge	Mr. Thinad, Quarry manager
6	Name of the officer Environment, Health and safety	Mr. Thinad, Quarry manager
7	Name of the Assistant Officer of Environment, Health and safety	Mr. Vishnu, Assistant Mines Manager
8	Name of the environment laboratory	M/s Poluchem Laboratories Pvt Ltd
9	Address of Environmental laboratory	Pallath Building North Kalamasseri, Ernakulam Dt

V. PLATE

PLATE 1

Photographs showing boundary pillar in the project area



PLATE 2

Photograph showing access road to the project area





PLATE 3

Photograph showing rain water harvesting pit



PLATE 4

Photograph showing details of boundary indicators (boards, stores, markings, etc)





PLATE 5

Photograph showing overburden in the project site





PLATE 6

Photograph showing bench development / Mining face development





PLATE 7

Photograph showing staff with safety / protective equipment



PLATE 8

Photograph showing covered truck with rock materials





PLATE 9

Photographs showing natural vegetation in quarry area





Photographs showing natural vegetation in the approach sides of roads





PLATE 10

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

