

Date:13-12-2023

From,

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

To,

MoEF Regional Office, Sothern 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 R. KRISHNAMOORTHY Quarry project in re-survey nos. 166/2, 166/3, 166/4, 166/6 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, I am herewith submitting the detailed half yearly Compliance Report for the period from **MARCH 2023 to SEPTEMBER 2023** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours faithfully



R. KRISHNAMOORTHY

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 KRISHNAMOORTHY

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

ENVIRONMENTAL CLEARANCE
NO. B/DEIAA/23743/17 DATED 20-02-2018

FOR THE PERIOD FROM MARCH 2023 TO SEPTEMBER 2023

TABLE OF CONTENTS

ITEM NUMBER	DESCRIPTION	PAGE NUMBER
I	About The Proponent	3
II	About The Project	
	Project Category	3
	Project Location	3
	Project Extent And Activity	3
	Project Description	3
III	Report Of Compliance	
	Compliance Of General Condition	4
IV	Annexures	
	Annexure 1 - EC Order	21
	Annexure 2- Environment Monitoring cell members	27
	Annexure 3 - Corporate Environment Responsibility CER Details	28
	Annexure 4 - Explosive License	29
	Annexure 5 -Pollution certificate	35
	Annexure 6 - Panchayath Certificate	37
	Annexure 7-Lab Report	38
V	Figures	
	Figure1 - Boundary Pillars	4
	figure 2 - Access Road	6
	figure 3 - Rain water harvesting pit	7
	figure 4 - Boundary Indicators	8
	figure 5 - Blasting time	9
	figure 6 - Top Soil & Overburden	10
	figure 7 - Bench development / Mining facedevelopment	10
	figure 8 - staff with safety/protectiveequipment	11
	figure 9- covered truck with rock material	12
	Plate 10- Environmental clearance prominently displayed in a metallic board	15

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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 dated 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, 166/6 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
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 follow the directions contained.
G-3	The project proponent should clearly demarcate the Government land adjacent to the proposed area.	Scrupulously follow the directions contained.

Figure-1

Photographs showing boundary pillar in the project area



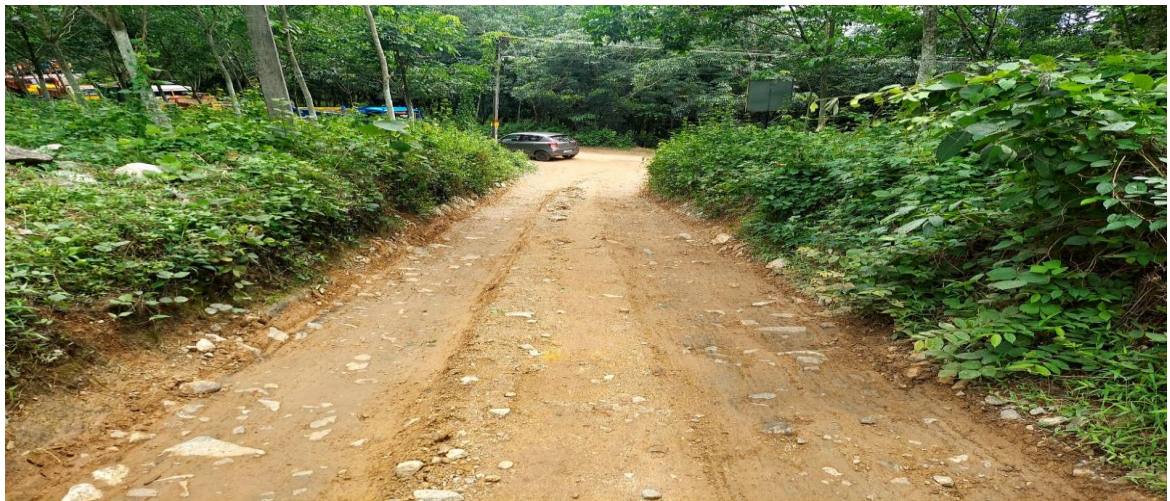


G-4	While issuing permit on the basis of this environmental clearance, the Geologist should ensure that no LC arrears/LC cases are pending against the project proponent	Scrupulously followsthe directions contained.
G-5	The ultimate depth of quarrying should be limited to 80m above mean sea level.	Scrupulously followsthe directions contained.

G-6	The proponent shall undertake maintenance of roads damaged by heavy loaded trucks.	Roads are maintained properly due to the damaged caused by heavy loaded trucks.
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Figure-2

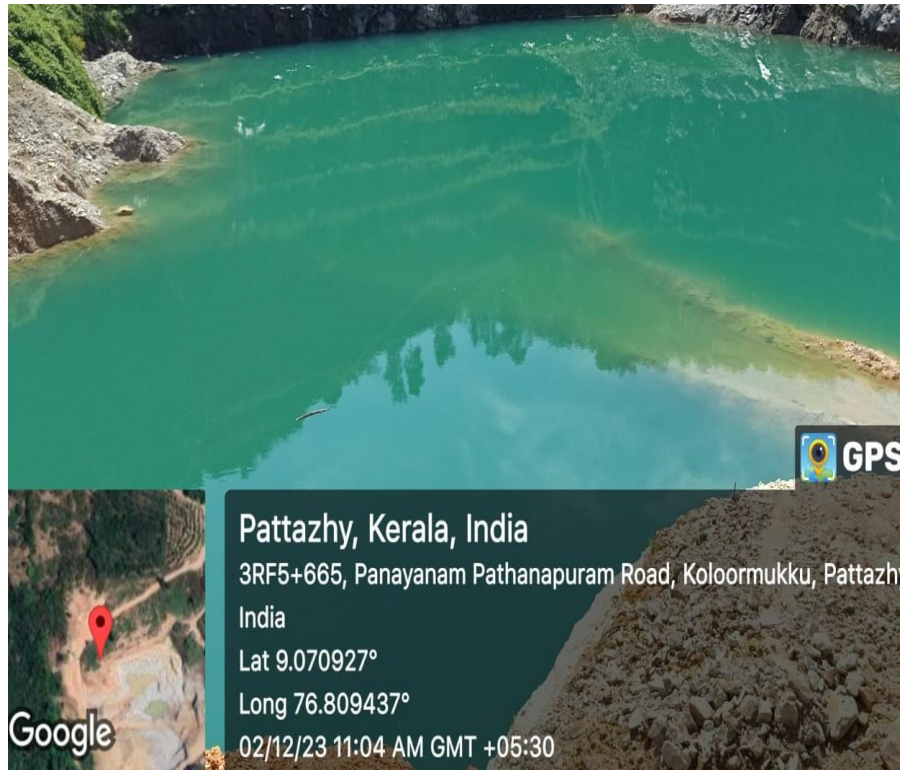
Photograph showing access road to the project area




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.
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Figure: 3

Photograph showing rainwater harvesting pit



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 dustemissions.
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 themine 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 containedare 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. (Details as Attached (Annexure-3))
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
<p><u>Figure-4</u></p> <p>Photograph showing details of boundary indicators (boards, stores, markings, etc.</p> 		
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 is 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 KSPCB
G-16	Quarrying activities should be limited to day time as per KSPCB should be guidelines.	Quarrying activities is limited as per KSPCB 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 followsthe directions contained.

Figure 5

Photograph showing details of blasting time



G-18	A licensed person should supervise/control the blasting operations.	Scrupulously followsthe directions contained.
G-19	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Scrupulously followsthe directions contained.
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 specifiedfor the purpose.

Figure 6

Photograph showing top soil and overburden in the project site



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.

Figure : 7

Photograph showing bench development / Mining face development



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.

Figure 8

Photograph showing staff with safety/protective equipment



G-25	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Scrupulously followsthe directions contained.
G-26	The transportation of minerals should be done in covered trucks to contain dust emissions.	Scrupulously followsthe directions contained.

Figure : 9

Photographs showing covered truck with rock material



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 complained.
G-28	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Scrupulously followsthe directions contained.
G-29	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Scrupulously followsthe directions contained.

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 followsthe directions contained
G-31	100m buffer distance should be maintained from forest boundaries.	Scrupulously followsthe 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 thedirections contained. (Details as attached 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 thedirections contained. (Details as attached Annexure-4)
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 thedirections contained.

C-36	<p>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 to the office of this Authority as confirmation.</p>	<p>Advertised in local newspaper and submitted a copy of it as a proof in the first compliance report.</p>
C-37	<p>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.</p>	<p>Scrupulously follow the directions contained. (Details as attached Annexure-6)</p>
C-38	<p>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</p>	<p>Conditions are being complied with.</p>

	also to the State Environment Impact Assessment Authority (SEIAA) Office	
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

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



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 have 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. (Details as attached 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	Scrupulously follows the directions contained as per the conditions.

	the vegetation becomes self- sustaining.	
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. (Details as attached Annexure:2)

C-49	The funds earmarked for the 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.	The funds marked for environmental protection measures and CSR activities are being kept inseparate account and havehot 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 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.
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.	The Environmental Clearance is issued by DEIAA, Kollam. (Details as attached Annexure-1)
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.

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 $9^{\circ}4'7.92''$ N and $9^{\circ}4'16.69''$ N and longitudes $76^{\circ}48'31.36''$ E and $76^{\circ}48'39.60''$ 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 after/modify the above conditions of stipulate any further conditions in the interest of environment protection.
53. 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.
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 - 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	ECO LABS PvtLtd
9	Address of Environmental laboratory	Janatha junction, Palarivattom, Kochi

അജ്ഞാത തീയറ്റേഴ്സ് (Reg No: Q. 27/69)
ലൈബ്രറി & റീഡിംഗ് റൂം (Reg.No.4562)
പന്തപ്പാവ്, പട്ടാഴി.

നമ്പർ **2184** **രസീത്** തീയതി **12/10/2023**
 പേര് **Crush Tech കൃഷ്ണമൂർത്തിച്ചേരി**
 മേൽവിലാസം **പന്തപ്പാവ്**

ഇനവിവരം	രൂ	സ.
പ്രവേശന ഫീസ്		
മാസവരി		
വാർഷികവരി	50000/-	
സംഭാവന ✓		
മറ്റിനം		
ആകെ		

അമ്പതിനാലിരം

നന്ദിപൂർവ്വം കൈപ്പറ്റിയിരിക്കുന്നു. സെക്രട്ടറി



ANNEXURE-4

भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)

पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives

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

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

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

Email: dycceernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Thursday, February 10, 2022

सेवा में / To,

Shri R. Krishnamoorthy,

Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Bharanikavu

Distt. KOLLAM, State. Kerala, Pincode-690520

विषय / Subject : विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Apr-Jun -2012 की तिमाही विवरणी की संवीक्षा
Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Apr-Jun Year 2012

अनुज्ञप्ति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4., Pattazhi village, pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विसंगतियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा ना करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।

On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 2 in excess of the licensed capacity on date(s) 27/06/2012. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 1000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf
2. You have stored explosives of Class 6 (1) in excess of the licensed capacity on date(s) 08/05/2012. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 1000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञप्ति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह

संपूर्ण अनुज्ञप्ति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञप्ति संख्या एवं डॉक-की संख्या को हमारी वेबसाइट

<http://www.peso.gov.in> के पब्लिक डोमेन इंफॉर्मेशन लिंक में खोजा जा सकता है।

Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licenece no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain

information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,

एडमिन / For Administrator Ernakulam
उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives
उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,
कोच्ची / Ernakulam

Letter



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 Kakkanaad Dist. Ernakulam Ernakulam 682037

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

Email: dycceernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Tuesday, February 22, 2022

सेवा में / To,

Shri R. Krishnamoorthy,

Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Bharanikavu

Distt. KOLLAM, State. Kerala, Pincode-690520

विषय / Subject :

विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Oct-Dec -2018 की तिमाही विवरणी की संवीक्षा

Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Oct-Dec Year 2018

अनुज्ञप्ति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विसंगतियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा ना करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।

On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 2 in excess of the licensed capacity on date(s) 09/10/2018, 11/10/2018, 29/10/2018, 01/11/2018, 06/11/2018, 07/11/2018, 10/11/2018, 16/11/2018, 21/11/2018, 26/11/2018, 12/12/2018, 15/12/2018, 17/12/2018. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 8000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>
2. You have stored explosives of Class 6 (1) in excess of the licensed capacity on date(s) 11/10/2018. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 1000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञप्ति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह संपूर्ण अनुज्ञप्ति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञप्ति संख्या एवं डॉक-की संख्या को हमारी वेबसाइट <http://www.peso.gov.in> के पब्लिक डोमेन इंफॉर्मेशन लिंक में खोजा जा सकता है।

Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licenece no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,

एड्मिन / For Administrator Ernakulam
उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives
उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,
कोच्ची / Ernakulam



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 Kakkanaad Dist. Ernakulam Ernakulam 682037**
 फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276
 Email: dycceernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Tuesday, February 22, 2022

सेवा में / To,
Shri R. Krishnamoorthy,
 Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Bharanikavu
 Distt. KOLLAM, State. Kerala, Pincode-690520

विषय / Subject : विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Jul-Sep -2019 की तिमाही विवरणी की संवीक्षा
 Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Jul-Sep Year 2019

अनुज्ञति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

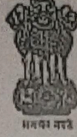
महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विषयगतियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा ना करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।
 On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 6 (1) in excess of the licensed capacity on date(s) 05/07/2019, 11/07/2019. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 2000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf
2. You have stored explosives of Class 6 (3) in excess of the licensed capacity on date(s) 25/09/2019. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 1000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह संपूर्ण अनुज्ञति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञति संख्या एवं डॉक-की संख्या को हमारी वेबसाईट <http://www.peso.gov.in> के पब्लिक डोमेन इंफॉर्मेशन लिंक में खोजा जा सकता है।
 Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licenece no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,
 एडमिन / For Administrator Ernakulam
 उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives,
 उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,
 कोच्ची / Ernakulam



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
Email: dyccernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Tuesday, February 22, 2022

सेवा में / To,

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

विषय / Subject : विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Oct-Dec -2016 की तिमाही विवरणी की संवीक्षा
Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Oct-Dec Year 2016

अनुज्ञप्ति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विसंगतियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा न करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।
On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 2 in excess of the licensed capacity on date(s) 14/10/2016, 19/10/2016, 24/10/2016, 28/10/2016, 01/11/2016, 03/11/2016, 15/11/2016, 18/11/2016, 21/11/2016, 26/11/2016, 30/11/2016, 05/12/2016, 25/12/2016, 28/12/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 5000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>
2. You have stored explosives of Class 6 (1) in excess of the licensed capacity on date(s) 14/10/2016, 19/10/2016, 24/10/2016, 28/10/2016, 01/11/2016, 04/11/2016, 15/11/2016, 18/11/2016, 21/11/2016, 26/11/2016, 30/11/2016, 05/12/2016, 25/12/2016, 28/12/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 5000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>
3. You have stored explosives of Class 6 (3) in excess of the licensed capacity on date(s) 26/10/2016, 01/11/2016, 06/11/2016, 15/11/2016, 21/11/2016, 01/12/2016, 26/12/2016, 28/12/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 3500/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञप्ति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह संपूर्ण अनुज्ञप्ति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञप्ति संख्या एवं डॉक-की संख्या को हमारी वेबसाइट <http://www.peso.gov.in> के पब्लिक डोमेन इंफॉर्मेशन लिंक में खोजा जा सकता है।

Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licence no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,

एडमिन / For Administrator Ernakulam
उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives
उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,

file:///C:/Users/HP/AppData/Local/Temp/M7TD3KAY.htm

22/02/2022



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 Kakkanaad Dist. Ernakulam Ernakulam 682037

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

Email: dyceernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Tuesday, February 22, 2022

सेवा में / To,

Shri R. Krishnamoorthy,

Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Bharanikavu

Distt. KOLLAM, State. Kerala, Pincode-690520

विषय / Subject :

विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Jul-Sep -2016 की तिमाही विवरणी की संवीक्षा

Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Jul-Sep Year 2016

अनुज्ञप्ति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विवरणियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा ना करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।

On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 6 (1) in excess of the licensed capacity on date(s) 19/08/2016, 30/08/2016, 05/09/2016, 21/09/2016, 24/09/2016, 29/09/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 3500/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf
2. You have stored explosives of Class 6 (3) in excess of the licensed capacity on date(s) 26/09/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 1000/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : https://peso.gov.in/pdf/Bharat_Kosh_Payment_Help_File.pdf

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञप्ति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह संपूर्ण अनुज्ञप्ति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञप्ति संख्या एवं डॉक-की संख्या को हमारी वेबसाइट <http://www.peso.gov.in> के पब्लिक डोमेन इफॉर्मेशन लिंक में खोजा जा सकता है।

Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licenee no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,

एडमिन / For Administrator Ernakulam
उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives
उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,
कोच्ची / Ernakulam



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

Email: dycceernakulam@explosives.gov.in

सं./ No. : E/SC/KL/22/1158(E58211)

दि. / Date : Tuesday, February 22, 2022

सेवा में / To,

Shri R. Krishnamoorthy,

Sasthacota P.O., Bharanikavu, Kollam District, Kerala-690520, Bharanikavu

Distt. KOLLAM, State. Kerala, Pincode-690520

विषय / Subject :

विस्फोटक नियम, 2008 के फार्म आरई-7 में विस्फोटकों के Apr-Jun -2016 की तिमाही विवरणी की संवीक्षा

Scrutiny of Quarterly Returns of Explosives in Form RE-7 of Explosives Rules, 2008 for the Quarter Apr-Jun Year 2016

अनुज्ञप्ति संख्या / Licence No. - E/SC/KL/22/1158(E58211) situated at Survey No.:173/4,, Pattazhi village,pathanapuram taluk, Kollam Distri, Distt. KOLLAM, State. Kerala granted in Form LE-3 of Explosives Rules, 2008

महोदय / Dear Sir,

आपके द्वारा प्रस्तुत तिमाही विवरणी की संवीक्षा की गई जिसमें निम्नलिखित विवरणियां पाई गई हैं। इसलिए आपको सलाह दी जाती है कि इस पत्र की प्राप्ति की तारीख से 15 दिनों के भीतर अपना स्पष्टीकरण प्रस्तुत करें। ऐसा न करने पर विस्फोटक नियम के अंतर्गत, यथोचित कार्रवाई की जाएगी।

On scrutiny of the QR submitted by you following observations were made. You are therefore advised to submit your explanation within 15 days from the date of receipt of this letter, failing which suitable action under Explosives Rule will be taken.

1. You have stored explosives of Class 2 in excess of the licensed capacity on date(s) 05/05/2016, 06/05/2016, 08/05/2016, 24/05/2016, 25/05/2016, 26/05/2016, 27/05/2016, 28/05/2016, 06/06/2016, 14/06/2016, 15/06/2016, 16/06/2016, 21/06/2016, 23/06/2016, 24/06/2016, 29/06/2016. This constitute violation of Additional condition (1) of the subject licence. You are therefore advised to offer your explanation and submit excess storage Fees of Rs. 5500/- through Non-Tax Receipt Portal (Bharat Kosh). The payment receipt shall be submitted to this office. For help file on payment to be made through Non-Tax Receipt Portal refer to the link : <https://peso.gov.in/pdf/Bharat Kosh Payment Help File.pdf>

कृपया नोट किया जाए कि कंप्यूटराइज्ड नई अनुज्ञप्ति संख्या के बाद कोष्ठक में डॉक-की सं. दी गई है, जैसे E/SC/KL/22/1158(E58211) यह संपूर्ण अनुज्ञप्ति संख्या है और E58211 यह डॉक-की संख्या है। नई अनुज्ञप्ति संख्या एवं डॉक-की संख्या को हमारी वेबसाइट <http://www.peso.gov.in> के पब्लिक डोमेन इंफॉर्मेशन लिंक में खोजा जा सकता है।

Please note that Doc Key No. is mentioned in bracket after the computerized new licence no. e.g. E/SC/KL/22/1158(E58211) is the complete licenece no. and E58211 is the doc key no. The new licence no. and doc key no. can be searched in the Public Domain information link of our Website <http://www.peso.gov.in>

भवदीय / Yours faithfully,

एड्मिन / For Administrator Ernakulam
उप मुख्य विस्फोटक नियंत्रक / Deputy Chief Controller of Explosives
उप मुख्य विस्फोटक नियंत्रक / Dy. Chief Controller of Explosives,
कोच्ची / Ernakulam



KERALA STATE POLLUTION CONTROL BOARD

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

Date of issue :09/03/2023

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/KO/ICO/R2/460/2022

Ref : 1) Consent no. PCB/KO/ICO/R1/460/2018 dated 28.02.2018.

2) Affidavit dated 14.02.2023.

3) Circular no. PCB/HO/Circular/2015 dated 18.03.2021.

4) Letter no. PCB/HO/ CIRCULAR SECTION/2015 dated 19.04.2021.

The 'Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY KRISHNAMOORTHY, SURVEY NO: 166/4, 166/3,166/2,166/6 PANTHAPLAVIL, PATTAZHY P.O, KOLLAM-691522 is hereby renewed up to 19/02/2024 and issued to M/s QUARRY OWNED BY KRISHNAMOORTHY, SURVEY NO: 166/4, 166/3,166/2,166/6 PANTHAPLAVIL, PATTAZHY P.O, KOLLAM-691522 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	Validity	19.02.2024
2	Annual fee	Rs.4050/-
3	Fee remitted	Rs.6075/-

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 issued subject to Circular no. PCB/HO/Circular/2015 dated 18.03.2021 & letter no. PCB/HO/ CIRCULAR SECTION/2015 dated 19.04.2021 and is valid up to 19.02.2024. For continuing to operate beyond the validity date application for the renewal shall be submitted online on or before

31.12.2023.

2. This Consent will be valid only when all other statutory/ necessary clearances from other Authorities concerned are valid. Quarrying shall be done only after obtaining clearances from all Authorities concerned.
3. This consent is granted based on the affidavit dated 14.02.2023 and is liable to be revoked if any information furnished is found false on verification.

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

RACHEL THOMAS

Digitally signed by RACHEL
THOMAS
Date: 2023.03.10 00:02:18 +05'30'

DATE :09/03/2023

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, DISTRICT
OFFICE, 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.



നമ്പർ: 11/2021-2022/A2/1820

തീയതി: 01/04/2021

പട്ടാഴി ഗ്രാമപഞ്ചായത്ത്

പട്ടാഴി പി.ഒ., കൊല്ലം (ജില്ല)

ഫീസ്: 691622, ഫോൺ: 4762399460, ഇ-മെയിൽ: pattazhygr@gmail.com

വ്യവസായം, വാണിജ്യം, സംരക്ഷകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്
(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചട്ടങ്ങൾ 1996)

ലൈസൻസിയുടേപേര്	കൃഷ്ണമൂർത്തി.ആർ		
ലൈസൻസിയുടെ മേൽവിവാസം	ലരണ്ണു നിവാസ്, മനക്കര, ശാസ്താപക്ഷപ്പള്ളി		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	സാരഥി		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പട്ടാഴി വില്ലേജിലെ 180/2, 180/3, 180/4, 180/6 സ്ഥലം നമ്പരിൽ ഉൾപ്പെട്ട 3.0342 ഹെക്ടർ സ്ഥലത്തുനിന്നും 900 HP യന്ത്രശക്തി ഉപയോഗിച്ച് പാറവെനം ചെയ്യുന്നതിന്		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	IV/0		
ലൈസൻസ് കാലാവധി	01/04/2021 മുതൽ	31/03/2026 വരെ	വടര
ലൈസൻസ് ഫീസ്	രൂപ	രസീദ് നമ്പർ	തീയതി
മോട്ടോർ ഫീസ്	25000/-	120010105242	31/03/2021
തൊഴിൽ നികുതി	4500/-	120010105242	31/03/2021
	12500/-	120010105242	31/03/2021
ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാകരണപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	<ol style="list-style-type: none"> മൈനിംഗ് & ജിയോളജിയിൽ നിന്നുമുള്ള അനുമതി. കാലാവധി. 18/6/2028 എൻവയോൺമെന്റൽ ജിയോളജി. കാലാവധി. 19/2/2028 എക്സ്പ്ലോസിവ് ലൈസൻസ്. കാലാവധി. 31/3/2028 മിനിമൽ മന നിലനിർമ്മാണ മോഡർലിൻ നിന്നും അനുമതി. കാലാവധി. 19.2.2023 		

ഓഫീസ് മുദ്ര



[Signature]
 സെക്രട്ടറി

പട്ടാഴി ഗ്രാമപഞ്ചായത്ത്
 SECRETARY
 PATTAZHY GRAMA PANCHAYAT

03/04/2021 16:08



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

**TEST REPORT**

Page 1 of 2

Report No. : EEL/LR/23/0026602/859

Issued To:

Issue Date : December 05, 2023

Mr. Krishnamoorthy
Anju Nivas, Mankara
Sasthamcotta, Kollam Dist.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.166/2, 166/3, 166/4, 166/6 at Pattazhi Village, Pathanapuram Taluk, Kollam Dist. Kerala.

Sample receipt form Ref. No. : SRF/W/11/859 dt. 29.11.2023

Sampling done by: Customer

Sample Particulars: Water sample

Sample receiving date: November 29, 2023

Lab identification code : W/11/859

Analysis starting date : November 29, 2023

Analysis completion date : December 04, 2023

Quantity of sample received: 1L x 1

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

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	---	IS 3025 (Pt 11):2022	7.3	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5): 2018	Agreeable	Agreeable
3.	Colour	Hazen Units,max	IS 3025 (Pt 4):2021	4.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):1984	0.70	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):2023	160	500
6.	Total Hardness as CaCO ₃	mg/l,max	IS 3025 (Pt 21):2009	65.10	200
7.	Chloride as Cl	mg/l,max	IS 3025(Pt 32):1988	41.69	250
8.	Sulphate as SO ₄	mg/l,max	IS 3025(Pt 24):2022	9.59	200
9.	Alkalinity as CaCO ₃	mg/l,max	IS 3025(Pt 23):1986	38.95	200
10.	Iron as Fe	mg/l,max	IS 3025 (Pt 53):2003	0.09	1.0
11.	Calcium as Ca	mg/l,max	IS 3025(Pt 40):1991	19.36	75
12.	Magnesium as Mg	mg/l,max	IS 3025(Pt 46):1994	4.08	30
13.	Free Residual Chlorine	mg/l,min	IS 3025 (Pt 26):2021	BDL(MDL-0.1)	0.2
14.	Fluoride as F	mg/l,max	IS 3025(Pt 60):2008	BDL(MDL-0.2)	1.0
15.	Manganese as Mn	mg/l,max	IS 3025 (Pt 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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(Food Quality / Water / Environmental Testing Lab)

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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



Page 2 of 2

Report No.: EEL/LR/23/0026602/859

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

Page 1 of 1

Report No. : EEL/LR/23/0026603/860

Issued To:

Issue Date : December 05, 2023

Mr. Krishnamoorthy
 Anju Nivas, Mankara
 Sasthamcotta, Kollam Dist.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.166/2, 166/3, 166/4, 166/6 at Pattazhi Village, Pathanapuram Taluk, Kollam Dist. Kerala.

Sample receipt form Ref. No. : SRF/A/11/860 dt. 30.11.2023

Sampling done by: Lab field technicians

Sample Particulars: Ambient Air sample

Date of monitoring	: November 29, 2023 to November 30, 2023
Location of monitoring	: Ambient Air Monitoring near South Side Boundary
Location of sampler	: 3.2 m above ground level
Sampling method	: Monitoring Protocol No. EEL/ENV/MP/01
Sample receiving date	: November 30, 2023
Analysis starting date	: December 01, 2023
Tests required:	For the parameters listed below, as per CPCB guidelines
	SAMPLE TESTED AS RECEIVED

Lab identification code: A/11/854

Analysis completion date: December 02, 2023

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	59.46	100
2.	Particulate matter (Size less than 2.5µm) or PM _{2.5}	µg/m ³	CPCB guidelines 2011	20.14	60
3.	Sulphur dioxide	µg/m ³	IS: 5182 (Pt 2):2001	14.66	80
4.	Nitrogen dioxide	µg/m ³	IS: 5182 (Pt 6): 2006	9.83	80
5.	Carbon Monoxide (8hrs)	mg/m ³	IS: 5182 (Pt 10): 1999	0.60	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 cloudy

Meteorological Parameters	Max	Min
Temperature (°C)	31	26
Humidity (%)	76	54

Instruments used for Monitoring

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

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


 Susan Abraham
 Technical Manager
 Authorised Signatory
 Envirodesigns Eco Labs



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NOISE LEVEL MONITORING REPORT

Page 1 of 2

Report No. : EEL/LR/23/0026604/861
Issue Date : December 05, 2023

Issued To:
Mr. Krishnamoorthy
Anju Nivas, Mankara
Sasthamcotta, Kollam Dist.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey No.166/2,166/3,166/4,166/6 at Pattazhi Village, Pathanapuram Taluk, Kollam Dist. Kerala.

Sample receipt form Ref. No. : SRF/N/11/861 dt. 30.11.2023

Monitoring done by: Lab field technicians

Sample Particulars: Noise Level Monitoring

Date of monitoring	: November 29, 2023 to November 30, 2023
Source of monitoring	: Ambient Noise Level monitoring
Sampling method	: Monitoring Protocol No. EEL/ENV/MP/01
Lab identification code	: N/11/861
Method Used	: IS 9989:1981

Presentation of Results

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
1.	15.00 – 16.00	52.6
2.	16.00 – 17.00	49.7
3.	17.00 – 18.00	46.3
4.	18.00 – 19.00	45.6
5.	19.00 – 20.00	49.5
6.	20.00 – 21.00	44.1
7.	21.00 – 22.00	46.3
8.	22.00 – 23.00	45.5
9.	23.00 – 00.00	42.3
10.	00.00 – 01.00	40.7
11.	01.00 – 02.00	38.5
12.	02.00 – 03.00	36.5
13.	03.00 – 04.00	37.4
14.	04.00 – 05.00	40.6
15.	05.00 – 06.00	43.7
16.	06.00 - 07.00	46.4
17.	07.00 – 08.00	48.7



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Report No. : EEL/LR/23/0026604/861

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
18.	08.00 – 09.00	50.2
19.	09.00– 10.00	52.6
20.	10.00 – 11.00	55.4
21.	11.00 – 12.00	54.3
22.	12.00 – 13.00	50.2
23.	13.00 – 14.00	48.6
24.	14.00 – 15.00	45.4

Sl. No.	Location of Monitoring	Value Reported in dB (A) L_{eq}	
		Day time	Night time
1.	Ambient Noise Level monitoring measured near South Side Boundary	48.9	40.7

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

Note: Day time means - 6.00 AM to 10.00 PM

Night time means - 10.00 PM to 6.00 AM

Instrument used for Monitoring

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

....End of Report....



Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs

