
HALF YEARLY COMPLIANCE REPORT

FOR

APRIL 2022 - SEPTEMBER 2022

IN RESPECT OF

BUILDING STONE QUARRY

Extent : 4.3049 Ha

&

Capacity : 59,510 Cu.m/ Annum

OF

Mr. SHIJU THOMAS

AT

Survey No.: 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt & 356/1-1 pt,

Block no-32

of

Alakodu Village, Thodupuzha Taluk,

Idukki District, Kerala State-685 588.

DECEMBER- 2022

Website - <http://shijuthomas.in/CSR.html>

Proceedings of the District Environment Impact Assessment

Authority Idukki District

[Present Sri. G.R Gokul I.A.S(chairman),

Sri. P.G Radhakrishnan (member secretary),

Sri.Narendra babu I.F.S(member), Dr .George Abe(member)]

Subject :Environmental clearance for the building stone quarry project in Survey No's 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt and 356/1-1 pt in Alakodu Village, Thodupuzha Taluk, Idukki District by Sri. Shiju Thomas, Pallivathukkal House, Chilavu P.O.,idukki(dist)-EC granted orders issued.

District Environment Impact Assessment Authority ,Idukki

no:1/2016/deiaa/idk/ker

Dtd:20/04/2017

Ref (1):Application from sri. Shiju Thomas ,Pallivathukkal(h),chilavu p.o,

Thodupuzha

(2):Minutes of district level environment appraisal committee dtd 03.02.2017

(3):Site inspection report of sub committee of DEAC submitted by

senior geologist , Department of mining and geology, Idukki

(4):Minutes of first meeting of DEIAA dtd 30.03.17

(5):Ltr no;doi/250/m/16 dtd 12/04/2017 of District Geologist, Mining and Geology Idukki

Sri. Shiju Thomas, Pallivathukkal House, Chilavu P.O, Thodupuzha vide his application submitted through web site has sought Environmental Clearance under EIA notification, 2006 for the building stone quarry project in Survey Nos 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt, 356/1-1 pt in Block 32 of Alakodu Village, Thodupuzha Taluk, Idukki Dist. for an area of 4.3049 hectares. The project falls under the category B2 as per the EIA notification No. S.O 1533 (t) dated. 14.09.2006 of MOEF & CC, other details of the project are as follows:-

1.About the project

Name of Project :- Building stone Quarry of Mr. Shiju Thomas, Pallivathukkal House, Chilavu P.O.

Brief description of the Project :- The proposed rough stone quarry project is spread over an area of 4.3049 hectare, the proposed production is of 59510 m³ per annum and the span of the quarry is 5 years. The quarry operation is proposed up to 109 meter above MSL and to carry out with semi mechanized opencast mining with 5.0 meter vertical benches with a back width of 5.0 meter. Quarry operation is to carry out by splitting of rock mass from the permit rock area by jackhammer drilling and blasting. Hydraulic excavators are to use for loading the stone from pit head and tippers will be used for transportation of stones. Hydraulic excavators are intended to be attached with rock breakers for breaking of large boulders to avoid secondary blasting.

Category/sub category & schedule	B2 (Mining of mineral)
Topography	Hilly Terrain
GPS Co-ordinates	Latitude (N)- 09° 51' 40.90" N to 09° 51' 50.08" N Latitude (E)- 76° 45' 40.88" E to 76° 45' 45.26" E
Extent of area	4.3049 Hectare
Span of mine proposed	5 years
Depth of mining	52m
Distance from the adjacent quarry	There are no adjacent quarries within 500 meters from the mine lease area.
Capacity of production	59510 m ³ /annum
Details of Project cost	56,20,000 (Rupees Fifty Six Lakhs Twenty Thousand Only)

Water requirement & resources:- Details of water requirements in KLD(Kilo litre per day) as given below:

Domestic and drinking purpose	2.0 KLD
Dust suppression	12.0"
Green Belt	3.0"
Total	17.0 KLD

Drinking water is sourced from the open well which will be purified in a small reverse osmosis plant.. For dust suppression and green belt, water is obtained from the open wells/storm water reservoir of proposed site.

Recycled water :- The storm water / mine water will be used for dust suppression and green belt developments.

Liquid effluent : Domestic effluent sent to septic tanks followed by soak pit.

Land:- Access of road to the site : The district road connecting Thodupuzha and Anakayam Via Enchiyani is at a distance of 0.5 km from to project site.

Facility for solid waste management	The waste generated during the mining period is 16921m ³ will be proposed dumping to south side of the lease area and along the lease boundary
Topographic features	The area applied for quarry site is almost a hilly terrain with the highest elevation of 109 meter to a lowest elevation of 89 meter above MSL
proneness of the area for land slides	Semi mechanized open cast mining with benches will be carried out .ultimate slope of the mine will be maintained at 45 degree. Since the granite is hard rock formation ,land slides are not envisaged. The area falls in seismic zone-3 and is moderate damage risk zone.

Air:-

Air quality requirements	Air quality to meet requirements as per rules
Noise level meeting requirement	Noise level to be within limits as per rules
Likely emission affecting environment	Emission of dust, SO ₂ , Nitrous Oxide during drilling ,blasting , loading and transport activities. Noises will be generated by the mining machineries.

Biodiversity:-

Presence of any endangered species or red listed category	None
Loss of native species and generic diversity	Not envisaged ,except small bushes, Arecanut , Rubber,Cocoa and other plants. No major vegetation cover/valuable flora is found within the mining area.

Social aspects:-
 Proximity to nearest habitation :Nearest house is at 104 meter away

Corporate social responsibility

SL.no	Description of item	Amount proposed(in rupees)
1	Distribution of books to Enchiyani Govt.L.P school students	250000
2	Repairing of Thodupuzha-Anakkayam road	250000
3	Sanitary facility for Enchiyani Govt.L.P school(toilets,drinking water facility)	300000
4	Organizing Health camps	200000
5	Total	10,00,000

General

Does it propose environment management plan	EMP is submitted along with form 1M
Biomedical waste management	There is no biological waste generation in the building stone quarry
E-waste management	There is no E-waste generation in the building stone quarry
Sufficiency of parking spaces/ Traffic management	Enough space is available
Litigation/court case if any against the project	Non as of now
Details of authorized signatory	Mr.Shiju Thomas,pallivathukkal(house) Chilavu p.o,Thodupuzha.Idukki (dist) Pin:685588; mobile no:9447522690
Details NABL approved laboratory	ABC techno labs India pvt ltd. No:950/3,3rd cross street ,sector 2,south face Ambattoor industrial estate,Chennai. Phone:044-26257788.certificate no.T.1586 DTD 08/10/15 valid up 07/10/2017

2. On submission of approved mining plan as per KMMC rule 2015,the proposal was placed in the first meeting of DEAC. Further to intimation of DEAC,the proponent along with the consultant attended the meeting. The DEAC decided to defer the item for field inspection and constituted a sub committee for the same. The sub committee inspected site on 25/01/2017 and put forward some conditions.

3. The conditions are as follows.

- The boundary pillars should be numbered and fixed in the lease area as per the approved mining plan
- Fencing with barbed wires should be provided all along the boundary of the lease area except the part needed for vehicular traffic.
- The boundary between the govt surplus land in survey no.356 on the south-eastern side of the lease area and the applied lease area must be clearly demarcated.
- There should not be any further quarrying in the already quarried pit as the depth of pit has already reached more than 20 meters at present. The quarried pit should be retained as a rain water storing site.
- There should not be any further quarrying in the buffer zone area on the eastern side of the lease area where already quarrying was carried out as per the earlier permits
- A greenbelt should be maintained all around the quarry by planting trees.
- The ultimate depth of the quarry must be limited to 20 meter, from ground level as per the mining plan.
- There should be some rain harvesting structure at the north-eastern valley part of the quarry lease area
- The water draining from the quarry to the out side area must be after clearing the sediments and impurities by passing through one or two settling tanks
- Dust suppression mechanisms using sprinklers must be established in the quarry.
- The approach road to the quarry must be tarred using metal.
- It is instructed to only remove topsoil up to a maximum depth of 2 meter while quarrying.

4. In the 2nd meeting of DEIAA held on 30/03/2017, the committee after studying the case in detail accepted the 13 conditions raised by the DEAC. The committee also decided to collect the mining history of the proponent and authorized member secretary to collect it from district geologist. As decided by the 1st meeting of DEIAA, the documents of lands called for been submitted by the proponent and mining history of the proponent have been submitted by Senior Geologist, Mining and Geology Idukki District as reference (5). As per reference(5) it is found out that there are no charges were against the proponent for activities like illegal mining, mining outside the area and violation of lease permit to collect it from district geologist. The details of the ownership of the private land in which the project is proposed is as follows

Sy.no	Extent(hect)/T.p no	Name of owner	Document details/date	Prior document details 1	Prior document details 2	Old sy.no
294/1pt	0.3150 T.P 32/589	Shaji joseph cherthalackal Anchiry	557/14 DTD 12.02.14 561/14 DTD 12.04.14 876/15 DTD 26.03.15 1196/14 DTD 28.03.14 SRO KARIKODU	927/72 1255/61 sro karikodu 1664/62 sro Thodupuzha	1285/58 sro Thodupuzha	1026/1/7
356/1-1 pt	0.0853 T.P 32/589					
294/2pt	1.4385 T.P 32/2046	John pathrose villanguparayil, Anchiri	2061/97 dtd 10.06.97 sro karikodu	3580/58 DTD 01.10.58 sro thodupuzha	922/52 sro Kanjirappally	1026/1

295/5	1.0230 TP 32/1047	Selestian s/o mathew .plakkootathil(h),anchir y	2075/90 dtd 16.08.90 sro karikodu	2129/77 sro karikodu		1026/1/7
295/6	0.7667 TP 32/1047					
296/2pt	1.4385 TP 32/3460	Roger mathew,Plakkuttathil.an chiry	899/05 dtd 28.02.05 sro karikodu	2476/89 2458/89 1201/98 sro karikodu	2952/85	

Examining the details of land it is understood that the proposed site is a private land which is not assigned under any assignment rule of kerala but it is pandaravaka land as per the basic tax register. Land owners and the proponent has executed an agreement to excavate the granite building stone for the period of 15 years from the above mentioned area. Also going through the documents submitted by proponent such as detailed mining plan, mine closure plan,environment management plan and pollution control methods the committee is satisfied by the methods suggested there to reduce the gravity of pollution and steps to mitigate the risk of environment hazard. In addition to the above facts the committee analyzed the fact of severe shortage of granite building stone in the said region and its impact on social-economic condition of public and development of the region,the District Level Impact Assessment Authority Idukki hereby grant environmental clearance to the proposed quarry project of sri.Shiju Thomas,pallivathukkal(h),chilavu in Thodupuzha taluk of Idukki district for an area of 4.3049 hectares subject to the condition specified in para 3

5. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures in the environment management plan of the pre-feasibility report and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The undertaking and conditions regarding mining,blasting, pollution control and progressive mine closure plan of the mining plan submitted will be deemed to be part of this proceedings as condition as undertaken by the proponent,as if incorporated herein.

6.Validity of the environmental clearance will be five years from the date of this environmental clearance ,subject to the earlier review in the event of genuine complaint from anybody from the safety area or violation or non-compliance of any of the conditions stipulated herein.


7.Complaints of the conditions herein will be monitored by DEIAA and higher authorities of ministry of environment and forest government of India.

(i) This E.C is one among the licenses to be obtained by proponent from mining. In order to start the mining activities and operations in the project the proponent must obtain the other licenses from the concerned authorities.

(ii) Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.

(iii) Instances of violation if any shall be reported to District collector,Idukki to take legal action under the environment protection act,1986.




P.G Radhakrishnan
Member secretary
DEIAA,Idukki
&
Revenue divisional officer, Idukki

**COMPLIANCE TO THE CONDITIONS STIPULATED IN THE
ENVIRONMENTAL CLEARANCE ISSUED BY DISTRICT LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, IDUKKI**

Vide

No. 1/2016/DEIAA/IDK/KER

Dated: 20/04/2017

Building Stone Quarry Project in Survey Nos. 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt & 356/1-1 pt, Block no-32 at Alakodu Village, Thodupuzha Taluk, Idukki, Kerala State - 685 588 over an extent of 4.3049 Ha by Mr. Shiju Thomas, Pallivathukal House, Chilavu P.O, Thodupuzha, Idukki District - 685 588

Sr. No.	Specific Conditions	Compliance Status
1.	Boundary pillars should be numbered and fixed in the lease area as per the approved mining plan.	Boundary pillars are fixed and numbered as per the approved mining plan. The photographs showing the boundary pillars are attached as Annexure 1.
2.	Fencing with barbed wires should be provided all along the boundary of the lease area except the part needed for vehicular traffic.	Fencing with barbed wires all along the lease boundary is fixed. The photographs showing the barbed wire fencing is attached as Annexure 2
3.	The boundary between the Government surplus land in Survey number 356 on the south eastern side of the lease area and applied lease area must be clearly demarcated.	The boundary between Government surplus land in Sy. No. 356 on the south eastern side of the lease area and applied lease area has been clearly demarcated with fencing. Photographs attached as Annexure 3
4.	There should not be any further quarrying in the already quarried pit as the depth of the pit has already reached more than 20 meters at present. The quarried pit should be retained as rain water storing site.	Noted. The already excavated pit shall be retained as rain water storing site. Photograph attached as Annexure 4

5.	There should not be any further quarrying in the buffer zone area on the eastern side of the lease area where already carried out as per earlier permits.	Noted. There shall be no further quarrying on the eastern side of the lease area.
6.	A greenbelt should be maintained all around the quarry by planting trees.	Greenbelt is being established all around the quarry. Photographs showing the nursery for saplings for greenbelt development is attached as Annexure 5
7.	The ultimate depth of the quarry must be limited to 20 meters, from the ground level as per the mining plan.	Noted and shall be followed as per the mining plan.
8.	There should be some rainwater harvesting structure at the north-eastern valley part of the quarry lease area.	Rainwater harvesting structure has been developed on the north-eastern valley part. Photographs attached as Annexure 6
9.	The water draining from the quarry to the outside area must be after clearing the sediments and impurities by passing through one or more settling tanks.	Settling tanks for clarification of water from the quarry area has been established as a part of rainwater harvesting plan.
10.	Dust suppression mechanisms using sprinklers must be established in the quarry.	Sprinklers shall be established at the quarry for dust suppression. At present dust suppression through water tankers are carried out. Photographs of the water tankers for dust suppression is attached as Annexure 7
11.	The approach road to the quarry must be tarred using metal.	The approach road to the quarry has been laid with interlocking tiles. The details are attached as Annexure 8
12.	It is instructed to only remove topsoil up to a maximum depth of 2m while quarrying.	Only 2m of topsoil shall be removed while quarrying. The same will be utilized for the greenbelt development.

Sr. No.	General Conditions	Compliance Status
1.	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.	RWH facility as per the required guidelines shall be implemented at the site. Refer Annexure 6
2.	Environmental Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environmental Monitoring Cell headed by Quarry Manager along with qualified Environmental Consultant / Engineers is being engaged for effective implementation of the pollution control measures.
3.	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Avenue trees along the side of the road and open parking areas will be developed as a part of Green Belt development. Already saplings have been planted. Refer: Annexure 5
4.	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Solar lamps is installed at the parking areas and approach roads.
5.	Sprinkles shall be installed and used in the project site to contain dust emissions.	Sprinklers shall be installed in the project site and also outside the project site to minimize the duct emission from the process and vehicles. At present Water tankers are used for dust suppression. Refer Annexure 7
6.	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Eco-restoration plan as per the Post Mine Closure Plan Will be Implemented in the quarry as per the plan submitted.
7.	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	Will be followed as per the guidelines.

8.	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	CSR plan as agreed and other CSR activities are being taken up and shall be implemented. Receipts of CSR activities attached as Annexure 9
9.	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of the mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all the times and shall be conspicuous.	Fencings all around the boundary of quarrying area shall be provided to avoid the incidence. Refer: Annexure 2
10.	Warning alarms indicating the time of blasting (to be done specific timing) has to be arranged as per stipulations of Explosive Department.	As per the stipulations of Explosive Department the warning alarms by indicating the blasting time is provided. Photographs are attached as Annexure 10
11.	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Prescribed control measures from KSPCB shall be followed.
12.	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	Quarrying activities are limited to only day time.
13.	Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.	Blasting shall be done in controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14.	A licensed person should supervise/ control the blasting operation.	All activities are supervised by a licensed Blaster and Mines Manager. License attached as Annexure 11
15.	Access road to the quarry shall be tarred to contain dust emission that may arise during transportation of materials.	Access road to the quarry shall be tarred and maintained affectively.
16.	Overburden materials should be managed within the site and used for reclamation of the mine pit as per mine closure plan / specific conditions.	Noted and shall be followed.
17.	Height of the benches should not exceed 5m, and width should not be less than 5m, if there is no mention in the mining plan/ specific conditions.	Noted and is being followed. Photograph attached as Annexure 12

18.	Mats to reduce fly rock blast to a minimum of 10 PPV should be provided	Mats to reduce fly rock blast shall be provided
19.	Maximum depth of the mining from general ground level at site shall not exceed 10 m.	Noted and will be followed.
20.	No mining activity shall be carried out at places having slope greater than 45°	Noted and shall be complied.
21.	Acoustic enclosures should have been provided to reduce sound amplification in addition to the provisions of green belt and hollow brick envelop for crushers to that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Not applicable
22.	The workers on the site should be provided with the required protective equipment such as ear muffs, helmets, etc.	All workers are provided with required PPE's. Photographs attached as Annexure 13
23.	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Garland Drains is provided to channelize the storm water during the monsoon. (Annexure-8)
24.	The transportation of minerals should be done in covered trucks to contain dust emissions.	Trucks used for transportation will be covered to reduce dust emissions.
25.	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Greenbelt is developed as per the guidelines. (Annexure-5)
26.	Disposal of spent oil from diesel engines should be as specified under relevant Rules / Regulations.	Spent oil for diesel engines shall be handed over to authorized recyclers.
27.	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.	Explosives are stored in magazines in earmarked area as specified by the authority. Photographs attached as Annexure 14
28.	A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	Complied.
29.	100 m buffer distance should be maintained from forest boundaries.	NA.

30.	Consent from KSPCB under Water and Air Act(s) should be obtained before initiating mining activity.	Required consent from KSPC has been obtained. Attached as Annexure 15
31.	All other statutory clearance should have been obtained, as applicable, by project proponent from the respective competent authorities including that for blasting and storage of explosives.	All the statutory clearances /permissions are obtained which is applicable to the project.
32.	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting environmental parameters/impacts as assessed, based on which EC is issued, the project would require a fresh appraisal by this authority, for which the proponent shall apply and get approval of this Authority.	Will adhere as per the EIA Notification.
33.	The Authority reserves the right to add additional safeguards measures subsequently, if found necessary, and take actions including revoking of the Environment clearance under the provisions of the Environment (Protection) Act 1986, to ensure effective implementation of the suggested safeguards measures in a time bound and satisfactory manner.	Noted.
34.	The stipulations by Statutory Authorities under different Acts and notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act 1981, the Environment (protection) Act 1986, the Public liability (Insurance) Act 1991 and EIA Notification, 2006.	Stipulated conditions shall be implemented. Air and Water Analysis reports are enclosed as Annexure No 16 & 17 .
35.	The Project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala 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 should be forwarded to the office of this Authority as confirmation.	Advertised in the news paper.

36.	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, are received while processing the proposal. The Clearance letter shall also be put on the website of the company by the proponent.	Copy of the EC letter is submitted to Gram Panchayat and acknowledgment is submitted SEIAA, Kerala.
37.	The Proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional office of MoEF, Govt. of India and also to the SEIAA Office.	Half yearly compliance report is submitted regularly to the Concerned Department as specified. (Details attached as Annexure-23)
38.	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 public	Details of Environmental Clearance are displayed. Photographs attached as Annexure 18
39.	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.	Affidavit to follow the conditions stipulated in EC has been provided.
40.	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Noted and shall be followed.
41.	The project proponent shall ensure that no natural water course and/ or water resources shall be obstructed due to any mining operation. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	Noted and shall be followed.
42.	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the CPCB. Water sprinkling should be increased at places loading and unloading points &	Regular monitoring of Ambient Air Quality shall be carried out as per the Notification and water sprinkling shall be done to reduce

	transfer point to reduce fugitive emission.	dust emissions.
43.	The top soil, if any, shall be temporarily be stored in earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained 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 vegetation becomes self sustaining.	Noted and shall be strictly followed as per the guidelines.
44.	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent runoff of water and flow of sediments directly into the rivers and other water bodies. The water so collected should be utilized for watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Siltation ponds and drainage is constructed as per the specification and the photos of same is attached as Annexure 6
45.	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having levels of PM ₁₀ and PM _{2.5} such as haul road, loading and unloading points and transfer points- it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the CPCB.	Necessary actions to curb air pollution will be taken at the project site and shall ensure that the Ambient Air Quality parameters conform to the norms prescribed by the CPCB.
46.	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading points and transfer points should be provided and properly maintained.	Noted and shall be followed.
47.	Measures should be taken for control of noise levels below 85 dBA in the work environment.	Noted and will be followed. Noise level monitoring report is attached as Annexure 19
48.	A separate environmental management cell with suitable qualified personnel should be set up under the control of Senior Executive, who will report directly to the Head of the Organization.	Environmental Monitoring Cell headed by Quarry Manager along with qualified Environmental Consultant / Engineers is being engaged for effective implementation of the

		pollution control measures.
49.	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA office.	CSR activities as agreed is being taken up. Refer Annexure 9
50.	The Regional Office of MoEF&CC located in 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	Noted and full cooperation shall be given.
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.	Noted.
52.	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act,1986.	Noted.
53.	The SEIAA may revoke or suspend the order, for non implication of any of the specific or this implementation of any of the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
54.	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.	Noted.
55.	This order is valid for a period of 5 years or the expiry date of mine lease period issue by the Government of Kerala, whichever is earlier.	Noted.
56.	The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or the project, in any court of law.	Noted.
57.	The mining operations shall be restricted to above ground water table and it should not intersect the ground water table.	Noted and will be strictly adhered.
58.	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution testing centre. Washing of all vehicles shall be	All Vehicles used within the quarry areas are having PUC certificate.

	inside of the lease area.	
59.	Project proponent shall obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.	Noted and shall be followed.
60.	Regular monitoring of flow rates and water quality up stream and down stream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.	Noted and is being followed.
61.	Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	Regular health checkups for the workers shall be done.

Half yearly Compliance Report

Photographs of Boundary Pillars

ANNEXUE 1

PHOTOGRAPHS OF BOUNDARY PILLARS





Half yearly Compliance Report

Photographs of Fencing

ANNEXURE 2



PHOTOGRAPHS SHOWING THE FENCING AROUND THE QUARRY

Half yearly Compliance Report

Photographs of Govt. Excess Land Demarcation

ANNEXURE 3



Half yearly Compliance Report

Photograph of Excavated Pit as
RAIN WATER STORAGE PIT

ANNEXURE 4

Excavated pit retained as rainwater storage pond



Half yearly Compliance Report

Photographs of Greenbelt Development

ANNEXURE 5



PHOTOGRAPHS SHOWING GREENBELT DEVELOPMENT



Half yearly Compliance Report

Photograph of Rainwater Harvesting Structure

ANNEXURE 6



PHOTOGRAPHS SHOWING NEWLY BUILD RAIN WATER HARVESTING STRUCTURE



PHOTOGRAPHS SHOWING OLD RAINWATER HARVESTING STRUCTURES

Half yearly Compliance Report

Photograph of Dust Suppression

ANNEXURE 7

ANNEXURE 7

PHOTOGRAPHS SHOWING THE WATER TANKER USED FOR SPRINKLING WATER FOR DUST SUPPRESSION ON HAUL ROADS



PHOTOGRAPHS SHOWING WATER SPRINKLERS INSTALLED AT QUARRY SITE FOR DUST SUPPRESSION



Half yearly Compliance Report

PHOTOS OF NEWLY CONSTRUCTED GARLAND DRAINS

ANNEXURE 8

ANNEXURE 8



Half yearly Compliance Report

CSR Receipts

ANNEXURE 9

FUNDING FOR HELPING THE ECONOMICALLY BACKWARD PEOPLE
NEAR TO QUARRY AREA
(FUNDING FOR : HOSPITAL EXPENSES)

പേര്..... Albin Jose വീട്ടുപേര്..... Kanjanpambil 9/14/22
 സ്ഥലം..... Shankarapilly വീട്ടുനമ്പർ..... 74 ൽ താമസിക്കുന്ന ഞാൻ പഠനയുടെ
 ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ
 1/2016/DEIAA/IDK/KERALA) നിന്നും എന്റെ ഭർത്താവിന്റെ/ഭാര്യയുടെ/മക്കളുടെ/മകളുടെ ചികിത്സ
 യ്ക്കായി..... 500/- രൂപ കൈപ്പറ്റിയിരിക്കുന്നു.
 എന്ന്,
 MOB: 9562747393 പേര്..... Albin Jose
 ഒപ്പ്..... [Signature]

പേര്..... shiby sari വീട്ടുപേര്..... mathura mathathi 28/9/22
 സ്ഥലം..... Anchri വീട്ടുനമ്പർ..... 165 ൽ താമസിക്കുന്ന ഞാൻ പഠനയുടെ
 ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ
 1/2016/DEIAA/IDK/KERALA) നിന്നും എന്റെ ഭർത്താവിന്റെ/ഭാര്യയുടെ/മക്കളുടെ/മകളുടെ ചികിത്സ
 യ്ക്കായി..... 5000/- രൂപ കൈപ്പറ്റിയിരിക്കുന്നു.
 എന്ന്,
 MOB: 8086882791 പേര്..... shiby sari
 ഒപ്പ്..... [Signature]

FUNDING FOR HELPING THE ECONOMICALLY BACKWARD PEOPLE
NEAR TO QUARRY AREA
(FUNDING FOR : HOSPITAL EXPENSES)

പേര്..... Naiasha Suri വീട്ടുപേര്..... 02hukayi
 സ്ഥലം..... Anchari വീട്ടുനമ്പർ..... 192
 ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ
 1/2016/DEIAA/IDK/KERALA) നിന്നും എന്റെ ഭർത്താവിന്റെ/ഭാര്യയുടെ/മകന്റെ/മകളുടെ ചികിത്സ
 യ്ക്കായി..... 2000/- രൂപ കൈപ്പറ്റിയിരിക്കുന്നു.
 എന്ന്,
 പേര്..... Naiasha Suri
 ഒപ്പ്..... [Signature]
 MOB: 9383417686

പേര്..... Akhilesh Sathosh വീട്ടുപേര്..... Kizattickara
 സ്ഥലം..... palappilly വീട്ടുനമ്പർ.....
 ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ
 1/2016/DEIAA/IDK/KERALA) നിന്നും എന്റെ ഭർത്താവിന്റെ/ഭാര്യയുടെ/മകന്റെ/മകളുടെ ചികിത്സ
 യ്ക്കായി..... 5000/- രൂപ കൈപ്പറ്റിയിരിക്കുന്നു.
 എന്ന്,
 പേര്..... Akhilesh sathosh
 ഒപ്പ്..... Akhilesh
 MOB: 8075441087

Half yearly Compliance Report

Photographs showing
Blasting Time displayed

ANNEXURE 10



Half yearly Compliance Report

Certificate of Mines Manager

ANNEXURE 11

Cert No. MR/SZ/0210



भारत सरकार/Government of India

खान अधिनियम, 1952/Mines Act, 1952

खनन परीक्षा बोर्ड/Board of Mining Examinations

खनन मेट सक्षमता प्रमाण-पत्र

MINING MATE'S CERTIFICATE OF COMPETENCY

(केवल ओपेनकास्ट खानों तक सीमित)

(Restricted to mines having opencast workings only)

(धात्विकीय खान विनियम, 1961 के अन्तर्गत)

(Under the Metalliferous Mines Regulations, 1961)

श्री
जिनकी जन्म तिथि

सुपुत्र

है, को अपनी

आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण प्रस्तुत करने एवं दिनांक को केन्द्र पर आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित मेट सक्षमता प्रमाण-पत्र प्रदान किया जाता है।

Shri **VIVEKANANDASWAMY K M** son of **SHARABHAIAH K M**
born on **27th JANUARY, 1975 (SEVENTY FIVE)** having given satisfactory evidence of his age, medical fitness, good character, literacy and prescribed experience of working in metalliferous mines and having passed the prescribed examination held at **GVTC SANDUR** centre on **02.08.2011** is hereby granted **MINING MATE'S CERTIFICATE OF COMPETENCY** restricted to mines having opencast workings only.

बाएं हाथ के अंगूठे का निशान
Left hand thumb impression

[Handwritten signature]

[Handwritten signature]

अंचल सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining Examinations
दक्षिणी अंचल, बेंगलूर
Southern Zone, Bengaluru

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining Examinations

Signed and Sealed

Date **18/7/12**

MR

To

SHRI VIVEKANANDASWAMY K.M., S/o.SHARABHAI K.M.

Home Address

KAMALAPUR

Village

KAMALAPUR

PO

KAMALAPUR

Police Station

BELLARY

District

KARNATAKA

State

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

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

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

13-7-2016 and declared fit for employment in mine. This Certificate is valid upto. 12-07-2021.

निदेशक, खाद सुरक्षा, बेल्लारी
Director of Mines Safety, Bellary

Prepared by

Checked by

Half yearly Compliance Report

Photograph showing Bench Formation

ANNEXURE 12



PHOTOGRAPHS SHOWING FORMATION OF BENCHES



PHOTOGRAPHS SHOWING FORMATION OF BENCHES

Half yearly Compliance Report

Photograph showing
workers with PPE's

ANNEXURE 13



Photograph showing the workers wearing PPE's

Half yearly Compliance Report

Photograph showing
Explosive Magazine

ANNEXURE 14



PHOTOGRAPH SHOWING THE EXPLOSIVE MAGAZINES

Half yearly Compliance Report

Consent from KSPCB

ANNEXURE 15



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/IDK/ICO/85/2017

Date of issue :31/07/2021

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R16IDU-ICO-R1-2704110

Ref : R16IDU-ICO-R-2704110 issued on 23/02/2020

The 'Integrated Consent to Operate' issued as per reference above to M/s Quarry of Shiju Thomas, Chilavu P O Chilavu, Thodupuzha is hereby renewed up to 19/04/2023 and issued to M/s Quarry of Shiju Thomas, Chilavu P O Chilavu, Thodupuzha. 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	CATEGORY	RED
2	CAPITAL INVESTMENT	43 LAKHS
3	ANNUAL FEE	Rs. 9600/-
4	FEE REMITTED	Rs. 9600/-
5	VALIDITY	19/04/2023

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

3.1 For renewal of the consent in case of continuance of discharge/operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 2 months prior to the date of expiry. Late application will be accepted only with fine.

3.2 This consent is granted on the basis of the affidavit and other documents furnished by the applicant. If

the statement furnished in the affidavit/document is found false or in the case of non-compliance of integrated consent to operate conditions the consent issued will be withdrawn/cancelled.

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

EBY

VARGHESE

Digitally signed by EBY

VARGHESE

Date: 2021.07.31 22:26:21
+05'30'

DATE :31/07/2021

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, DO IDUKKI



To

Sri. Shiju Thomas Pallivathukkal (H) Chilavu P O Chilavu

1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to krocmmms.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.

Half yearly Compliance Report

Air Quality Monitoring Reports

ANNEXURE 16



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/7619/2022
Mr. Shiju Thomas Pallivathukkal House Chilavu Post Thodupuzha	Date of issue:	04/10/2022
	Date of monitoring	29/09/2022
	Date of sample received:	30/09/2022
	Date of analysis	30/09/2022
	Monitoring Location	Quarry Owned by Mr. Shiju Thomas Survey No: 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt, 3546/1-1 pt Village: Alakode Taluk: Thodupuzha District: Idukki, Kerala
	Sample description	Ambient air
	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 2006 RA 2012	54.6 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	CPCB	21.7 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	2.2 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
---	---



Half yearly Compliance Report

Water Quality Analysis Reports

ANNEXURE 17



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

Ref.No. PL/RT/OW/7622/2022

Date of Issue: 04/10/2022

Name & address of customer

: Mr. Shiju Thomas

Project Site

: Quarry Owned by Mr. Shiju Thomas

Survey No: 294/1 pt, 294/2 pt, 295/5,

295/6 pt, 296/2 pt, 3546/1-1 pt

Village: Alakode

Taluk: Thodupuzha

District: Idukki, Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Drinking Water

Location of sampling

: Openwell Water

Date of sample collected

: 29/09/2022

Date of analysis started

: 30/09/2022

Date of completion of analysis

: 04/10/2022

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	0.2 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.62	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	117 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	32.5 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	28.6 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	42.4 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	9.43 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	4.2 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.08 mg/l	1 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	9.2 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	23	Absent
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

Authorized signatory

* End of the report*

The above results are related only to the sample submitted for analysis. This test report shall not be reproduced except in full, without the written approval of the laboratory.

Half yearly Compliance Report

Photographs showing
EC Details displayed

ANNEXURE 18



Half yearly Compliance Report

Noise Level Monitoring Reports

ANNEXURE 19



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/RT/SD/7621/2022	
Mr. Shiju Thomas Pallivathukkal House Chilavu Post Thodupuzha	Date of issue:	04/10/2022	
	Date of monitoring	29/09/2022	
	Monitoring Location	Quarry Owned by Mr. Shiju Thomas Survey No: 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt, 3546/1-1 pt Village: Alakode Taluk: Thodupuzha District: Idukki, Kerala	
	Sample Description	Ambient Sound Level	
HOURLY INTERVAL	RESULT	HOURLY INTERVAL	RESULT
06.00 Hrs	47.1 dB (A)	23.00 Hrs	34.4 dB (A)
07.00 Hrs	48.1 dB (A)	00.00 Hrs	33.8 dB (A)
08.00 Hrs	48.8 dB (A)	01.00 Hrs	35.2 dB (A)
09.00 Hrs	49.6 dB (A)	02.00 Hrs	36.1 dB (A)
10.00 Hrs	50.4 dB (A)	03.00 Hrs	36.8 dB (A)
11.00 Hrs	51.5 dB (A)	04.00 Hrs	37.2 dB (A)
12.00 Hrs	52.4 dB (A)	05.00 Hrs	38.5 dB (A)
13.00 Hrs	48.6 dB (A)		
14.00 Hrs	47.4 dB (A)		
15.00 Hrs	45.8 dB (A)		
16.00 Hrs	44.3 dB (A)		
17.00 Hrs	42.8 dB (A)		
18.00 Hrs	41.6 dB (A)		
19.00 Hrs	38.8 dB (A)		
20.00 Hrs	37.7 dB (A)		
21.00 Hrs	36.9 dB (A)	LDay	48.5 dB (A)
22.00 Hrs	36.1 dB (A)	LNight	36.4 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



Half yearly Compliance Report

Panchayath License

ANNEXURE 20



ലൈസൻസ് നമ്പർ-എ6-558/2022(2)

തീയതി-30/03/2022

ആലക്കോട് ഗ്രാമപഞ്ചായത്ത്

1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233,234,254 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു വ്യവസായങ്ങൾ ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ സംരക്ഷ പ്രവർത്തനങ്ങൾ മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്ക് നൽകുന്ന

ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ഷിജു പള്ളിവാതുക്കൽ (H) ചിലവ് പി.ഒ തൊടുപുഴ
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	മരിയ ഗ്രാനൈറ്റ്സ് ,ഇഞ്ചിയാനി
ലൈസൻസ് പ്രവർത്തനങ്ങൾ	നൽകിയിട്ടുള്ള പാറപൊട്ടിച്ച് വിൽപ്പന നടത്തുന്നതിന്
വാർഡ് നമ്പരും, കെട്ടിട നമ്പരും, വില്ലേജ്, സർവ്വേ നമ്പർ	IX. ആലക്കോട്- 294/1, 294/2,295/5,295/6,296/2,356/1-1
ലൈസൻസ് കാലയളവ്	01/04/2022 മുതൽ 31-03-2023 വരെ
ഇടയാക്കിയ ലൈസൻസ് ഫീസ്	ഫീസ് -15000/- തൊഴിൽനികുതി -2500/- എച്ച്.പി -4000/ ----- ആകെ = 21500/-
രസീത് നമ്പർ, തീയതി	121010101888, 121010101889 30/03/2022
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ	1) കേരള സംസ്ഥാന മലനീകരണ നിയന്ത്രണ ബോർഡിന്റെ സർട്ടിഫിക്കറ്റ് 2) പെട്രോളിയം & എക്സ്പ്ലോസീവ് സർട്ടിഫിക്കറ്റ്, 3) മൈനിംഗ് & ജിയോളജി വകുപ്പിൽ നിന്നുള്ള ക്വാറി ലീസ് സർട്ടിഫിക്കറ്റ് 4) തൊടുപുഴ താലൂക്ക് സർവ്വെയറുടെ സർവ്വേ മാപ്പ് 5) ജില്ലാ EIAA- ഇടയാക്കിയുടെ സർട്ടിഫിക്കറ്റ്





ലൈസൻസ് താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു

1. കേരള പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലോകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ലൈസൻസ കാണിക്കേണ്ടതുമാണ്.
3. ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നവോ 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 നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാക്കാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാക്കാത്ത വിധത്തിലും വൃപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണ പദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാക്കാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഒരോ പ്രവർത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
8. ഏതെങ്കിലും തരത്തിലുള്ള തകർന്നോ കൃഷ്ണ രോഗമോ പ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
9. 40 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക് കളിപ്പാത്രങ്ങളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
10. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്ലറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
11. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയുംനടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും, ഉപദ്രവകരവുമാ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
12. ലൈസൻസി മേൽപറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് വയ്പിക്കേണ്ടതാണ്.
13. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാക്കാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാക്കാത്ത വിധത്തിലും വൃപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാക്കാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
14. ഒരോ പ്രവർത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ബ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
16. ബാലവേല അനുവദിക്കാൻ പാടില്ല.
17. പൊടിപടലങ്ങൾ നിയന്ത്രിക്കുന്നതിനായി സമയാസമയങ്ങളിൽ വെള്ളം നനയ്ക്കണം.
18. സ്പോടന സമയത്ത് ചീളുകൾ ദുരയ്ക്കിതെറിച്ച് വീഴാതിരിക്കാൻ മണൽ ചാക്കുകൾ അടുക്കി ആവശ്യമായ സുരക്ഷ ഒരുക്കണം.
19. സ്പോടന സമയത്തിന് മുൻപ് സമീപവാസികളെ അറിയിക്കുന്നതിനായി സൈറൺ മുഴക്കണം.



20. സ്ഫോടന സമയവും, എണ്ണവും മറ്റും പൊതുജനങ്ങൾ കാണത്തക്കവിധം എഴുതി പ്രദർശിപ്പിക്കണം.
21. കോറിയിലേയ്ക്കുള്ള റോഡുകളിൽ വാഹനം വാഹനം ഓടി പൊടിപടലങ്ങൾ പറക്കാതിരിക്കാൻ വെള്ളം നനയ്ക്കണം.
22. ജീവനക്കാർക്ക് ആവശ്യമായ പ്രഥമ ചികിത്സ സംവിധാനങ്ങൾ പ്രാഥമികാവശ്യങ്ങൾക്കുള്ള ടോയ്ലറ്റ്കളും ക്രമീകരിക്കണം.
23. ഇതര സമസ്ഥാന തൊഴിലാളികളെ ജോലിക്കായി നിയോഗിക്കുമ്പോൾ അവരുടെ വിവരങ്ങൾ പി.എച്ച്.സിയെ രേഖാമൂലം അറിയിക്കണം.
24. Blasters Certificate ലൈസൻസ് ഉള്ള വ്യക്തികളെക്കൊണ്ട് മാത്രമേ പാറപ്പൊട്ടിക്കുവാൻ പാടുള്ളൂ
25. ലൈസൻസിനായി സമർപ്പിച്ചിട്ടുള്ള അപേക്ഷയോടൊപ്പം ഹാജരാക്കിയിട്ടുള്ള വിവിധ വകുപ്പുകളുടെയും, ബോർഡുകളുടെയും നിരാക്ഷേപ സാക്ഷ്യപത്രങ്ങളിൽ രേഖപ്പെടുത്തിയിട്ടുള്ള വ്യവസ്ഥകളും നിബന്ധനകളും പാലിച്ച് പ്രസ്തുത സർവ്വേ നമ്പരുകളിൽ മാത്രം ക്യാറി നടത്തേണ്ടതാണ്.
26. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.
27. കാലാവധി തീരുന്നതിന് 30 ദിവസം മുമ്പായി ലൈസൻസ് പുതുക്കുന്നതിന് അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്



[Handwritten Signature]
സെക്രട്ടറി

ആലക്കോട് ഗ്രാമപഞ്ചായത്ത്

രാജമോഹനൻ പി.എസ്.

സെക്രട്ടറി

ആലക്കോട് ഗ്രാമപഞ്ചായത്ത്

ഇടുക്കി ജില്ല - 685 588, കലയാന്താനി പി.ഒ.

ഫോൺ : 04952 - 276246, മൊ. 9496045061

Half yearly Compliance Report

Explosive License

ANNEXURE 21



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 | फेक्स (Fax):- 2427276

संख्या (No.): E/SE/KL/22/95(E93346)

दिनांक (Date): 08/03/2021

सेवा में | To,

Shri Shiju Thomas,
 Pallivathukkal House, Chilavu P.O., Thodupuzha, Town/Village - Thodupuzha
 District-IDUKKI, State-Kerala, Pincode - 685588

विषय : Survey No.Block No.32, Sy. No.589, ग्राम Alakkode, जिला IDUKKI, राज्य Kerala में मेसर्स Shri Shiju Thomas द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SE/KL/22/95(E93346) के संशोधन संदर्भ में।
 (विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject: Possession for Use of Explosives from magazine situated at Survey No.:Block No.32, Sy. No.589, Alakkode, Dist. IDUKKI, Kerala -Licence No.: E/SE/KL/22/95(E93346) granted in Form LE-3 of Explosives Rules, 2008 -
 (Amendment of Quantity of Explosives/Monthly Purchase Limit).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 01/03/2021 का संदर्भ ग्रहण करें।
 Please refer to your letter no. Nil dated 01/03/2021.

अनुज्ञप्ति संख्या E/SE/KL/22/95(E93346) विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन के संबंध में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SE/KL/22/95(E93346) is forwarded herewith duly amended in respect of followings ;
Quantity of Explosives/Monthly Purchase Limit

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

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

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग उप- प्रभाग		क्षमता Capacity	इकाई Unit
			Div	Sub Div		
1	Nitrate Mixture	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	1500	Mtrs
3	Ordinary/Electric/Non Electric Detonators	6	3	0	3000	Nos.

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

Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 27 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2026 तक प्रवृत्त रहेगी।

This Licence shall remain valid till 31st day of March 2026.

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

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

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोची | Ernakulam
उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

प्रतिलोपे प्रेषित | Copy Forwarded to:

1. District Magistrate, IDUKKI, Kerala with reference to his Noc No: E2-50159/2015/K Dis. Dated: 05/02/2016
2. Superintendent of Police, IDUKKI, Kerala.

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives
कोची | Ernakulam

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

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

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

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

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

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

अनुज्ञापति सं. (Licence No.) : E/SE/KL/22/95(E93346)
वार्षिक फीस रुपए (Annual Fee Rs): 2400/-



1. Licence is hereby granted to

Shri Shiju Thomas (अधिभोगी / Occupier : Shri Shiju Thomas), Pallivathukkal House, Chilavu P.O.,Thodupuzha, Town/Village - Thodupuzha, District-IDUKKI, State-Kerala, Pincode - 685588

को अनुज्ञापति अनुदत्त की जाती है।

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

3. अनुज्ञापति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।
Licence is valid only for the following purpose. possess for use of **Nitrate Mixture, Safety Fuse, Ordinary/Electric/Non Electric Detonators**, - के उपयोग के लिए

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

क्र. सं.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	100 Kg.
2.	Safety Fuse	6,1	0	1500 Mtrs
3.	Ordinary/Electric/Non Electric Detonators	6,3	0	3000 Nos.

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

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

27 times as above.

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

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

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/95
: (E93346)
दिनांक (Dated) 08/03/2021

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

Survey No. Block No.32, Sy. No.589 , ग्राम (Town/Village) : **Alakkattur** थाना (Police Station) : Thodupuzha
जिला (District) **IDUKKI** राज्य (State) **Kerala** पिनकोड (Pincode) **685588**
दूरभाष (Phone) **9447522690** ई. मेल (E-Mail) फेक्स (Fax)

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

G(Sl.No.837 & 838) & T (Sl. No.1287) type three portable magazines fabricated by M/s. Nobel Explosives, Kadayirupu, Ernakulam.

8. अनुज्ञापति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

- उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- अनुज्ञापति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2021 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2021.

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

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

तारीख | The Date - 05/04/2016

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/09/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/02/2020
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/01/2021
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 08/03/2021

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
08/03/2021	31/03/2026	Sd/- Dy. Chief Controller of Explosives, Ernakulam

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

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

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

(सेट VIII | Set VIII)

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SE/KL/22/95(E93346) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SE/KL/22/95(E93346) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

- परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
- विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
- मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट है, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक् कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु -
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थापन के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.
(f) Gun powder belonging to Class 1 shall be kept separately.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लीअसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिन्ह प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
- मैगजीन के भीतरी भाग या उसमें लगी बेंचों, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचें, शेल्फें और फिटिंग यथासाध्य ग्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाध्यकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।

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The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from; Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

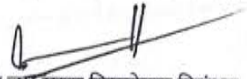
9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापिधारी द्वारा पश्चात्कर्ता प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता :
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभाय होगा :
परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है ।
If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory:
Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :
- Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.
10. उपयुक्त तथा जेब रहित कार्यकरण वस्त्रों, उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वर्जित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :
परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिससे भिन्न कोई विस्फोटक नहीं रखा गया है ।
Due provisions shall be made, by the use of suitable working clothes without pockets, suitable shoes and by searching or otherwise or by such means, for preventing the introduction into danger area of the factory premises of fire, Lucifer matches or any substance or article likely to cause explosion or fire, but this condition shall not prevent the introduction of an artificial light of such construction, position or character as not to cause any danger of fire or explosion:
Provided that so much of this condition as applies to the exclusion of iron or steel, shall not be obligatory in a building in which no explosive other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.
11. अनुज्ञापिधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टाक पुस्तक और अभिलेख प्रस्तुत करेगा । स्टाक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी ।
The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.
12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञापिधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करें ।
No changes or alterations shall be carried out to the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.
13. मैगजीन सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी) यदि किसी कारणवश किसी विस्फोटक के भण्डारण के लिए मैगजीन अनुपयुक्त हो जाती है तो अनुज्ञापिधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा ।
Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever.
मैगजीन का अनुज्ञापिधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरणी प्रस्तुत करेगा ।
The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी ।
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी ।
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकजों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके ।
The explosive packages shall be stocked in such a way so as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.
तडित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओह्म से अधिक नहीं होगा ।
The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.
17. मैगजीन के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी ।

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- A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.
18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
 19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।
Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
 20. विस्फोटकों के खाली पैकेटों को शीघ्रतिशीघ्र वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा।
Empty packages of the explosives shall be removed at the earliest and destroyed.
 21. अनुज्ञापिधारी और कर्मचारीयों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
 22. निरीक्षण या नमूना अधिकारी को सभी युक्तियुक्त समयों पर अनुज्ञत परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।
Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
 23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञापिधारक को अनुज्ञत परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञापिधारक सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the licence shall execute the recommendations and report compliance within the period specified by such authority.
 24. अनुज्ञापिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञत फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पल्लिते खरीदेगा।
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
 25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए –
(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;
(ख) श्रृंखला (जुड़े हुए पटाख) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग₁₀(N) डी.बी.(सी) पी.के. प्रतिबंधित होंगे;
The possession and sale of fire-crackers generating noise level exceeding;
a) 125 dB(A) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log₁₀ (N) dB, where N = number of crackers joined together.
 26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।
Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

अतिरिक्त शर्तें / Additional Conditions :

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


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

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

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

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SE/KL/22/95(E93346) in form LE-3 granted to Shri Shiju Thomas, Pallivathukkal House, Chilavu P.O.,Thodupuzha, Kerala-685588 .

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

The Date : 05/04/2016

For Dy. Chief Controller of Explosives
Ernakulam

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/09/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/02/2020
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/01/2021
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 08/03/2021

Half yearly Compliance Report

Soil Report

ANNEXURE 22



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

Client Name & Address	Certificate No:	PL/RT/SO/7620/2022
Mr. Shiju Thomas Pallivathukkal House Chilavu Post Thodupuzha	Date of issue:	04/10/2022
	Date of monitoring	29/09/2022
	Monitoring Location	Quarry Owned by Mr. Shiju Thomas Survey No: 294/1 pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt, 3546/1-1 pt Village: Alakode Taluk: Thodupuzha District: Idukki, Kerala
	Sample Description	Soil
Parameter	Test Method	Results
pH	IS 2720(Part25)-1973	6.24
Electrical Conductivity	IS 14767:2000RA2016	138 μ S/cm
Potassium as K	EPA 3050 B	68 mg/kg
Phosphorus as P	IS 10158 :1982 RA 2014	44 mg/kg
Nitrogen as N	IS 14684: 1999 RA 2014	92 mg/kg
Organic Carbon	IS2720(Part 22)-1972	101 %
Calcium	EPA 3050 B	61 mg/kg
Magnesium	EPA 3050 B	35 mg/kg
Chloride	UEPA9212	124 mg/kg
Sulphate	IS 2720 Part27:1977	85 mg/kg

For PoluChem Laboratories (P) Ltd.

Authorized Signatory.

End of the Report

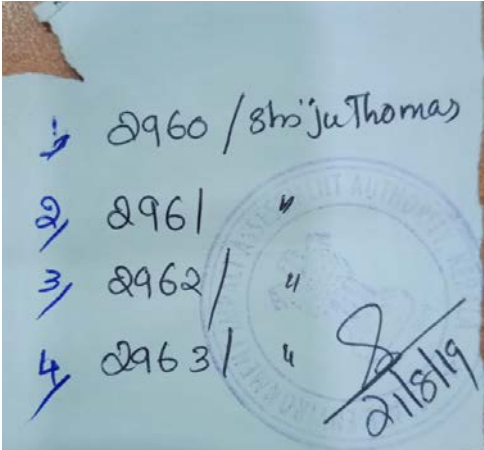
The above results are related only to the sample submitted for analysis. This test report shall not be reproduced except in full, without the written approval of the laboratory.

Half yearly Compliance Report

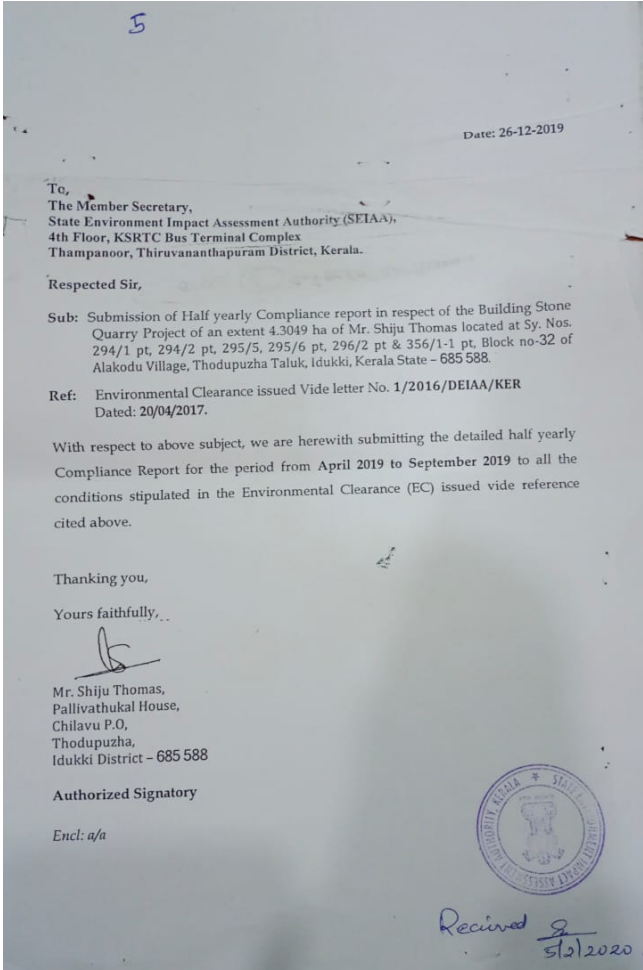
Compliance Report Submission Details

ANNEXURE 23

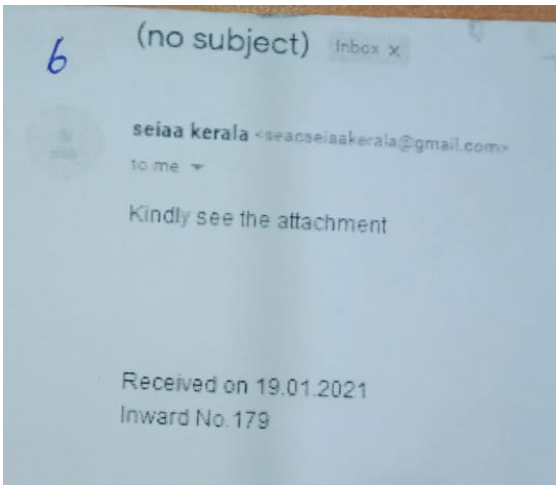
FILE NOS./DETAILS OF HALF YEARLY COMPLIANCE REPORT SUBMISSION TO SEIAA, KERALA



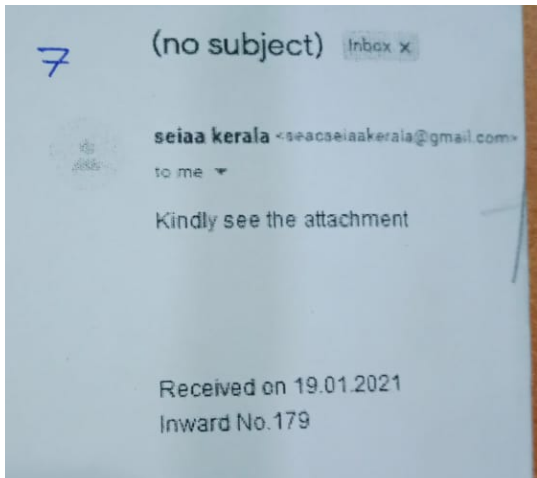
COMPLIANCE 1, 2, 3, 4



COMPLIANCE 5



COMPLIANCE 6



COMPLIANCE 7

Half yearly Compliance Report

SOLAR PANEL INSTALLED AT
QUARRY SITE

ANNEXURE 24



Half yearly Compliance Report

SIGN BOARDS SHOWING SAFETY PRECAUTIONS TO
BE TAKEN INSIDE THE QUARRY, WARNING BOARDS
& OTHER INFORMATION DISPLAY BOARDS

ANNEXURE 25

SAFETY PRECAUTIONS & INSTRUCTIONS TO WORKERS



SAFETY PRECAUTIONS & INSTRUCTIONS TO WORKERS/DRIVERS

