

HALF YEARLY COMPLIANCE REPORT

FOR

OCTOBER 2018 - MARCH 2019

IN RESPECT OF

BUILDING STONE QUARRY

Extent: 4.3049 ha & Capacity: 59510 Cum/ Annum

OF

Mr. Shiju Thomas,

AT

**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, Kerala State - 685 588.**

JUNE 2019

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 356/1-1 pt	0.3150 T.P 32/589 0.0853 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
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.



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

To
Sri.Shiju Thomas
Pallivathukkal(h)
Chilavu p.o
Thodupuzha

Copy to

- 1.State Level Environmental Impact Assessment Authority Kerala
- 2.Director of mining and geology, Thiruvananthapuram
- 3.Chairman DEIAA, District Collector Idukki
- 4.Geologist ,Mining and Geology, Idukki
- 5.Tahsildhar Thodupuzha
- 6.Secretary Alakodu Grama Panchayath
- 7.Web site
8. Stock file
9. Despatch confirmation

Directorate of Mining & Geology
Kesavadasapuram, Pattom P.O.
Thiruvananthapuram-4
Tel: 0471-2447429
Fax: 0471-2447429

E.mail: director.dir.dmg@kerala.gov.in

Web: www.dmg.kerala.gov.in

Dated: 04/05/2017

From
The Director of Mining & Geology

To
Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha,
Idukki District, Pin - 685 588

Sir,

Sub: Mining & Geology - Mines and Minerals - Minor Minerals- Granite Building Stone -
Preparation and execution of quarrying lease deed - reg.

Ref: 1. Pro.Order No. 55/2017-18/6319/M3/2016/DMG Dated: 04/05/2017
2. KMMC Rules 2015
3. Pro. order. No. 1/2016/deiaa/idk/ker dtd. 20/04/2017 of District Environment
Impact Assessment Authority, Idukki, Kerala

Please refer to the Proceedings Order cited above wherein a lease for Granite (Building Stone) is granted to **Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha, Idukki District, Pin - 685 588**. I request you to prepare three copies of the quarrying lease deed, original on plain paper and two copies of the same in stamped paper worth Rs. 500/- and produce the same before the **Senior Geologist, District Office, Idukki** for scrutiny and execution. The date of execution will be entered up by the Senior Geologist at the time of execution. After scrutiny of the quarrying lease deed, the Senior Geologist will inform you the date of execution convenient to him. After execution as per the request of the Senior Geologist stamp duty may be fixed by any District Registrars of the state and he will receive the stamp duty and a certificate of remittance of stamp duty will be entered in the lease deed. A chalan for Rs. **43,049/- (Rupees forty three thousand and forty nine only)** being the security deposit is enclosed herewith duly countersigned. Please affix your signature at the appropriate places before remittance of money in the treasury. The original treasury receipted chalan may also be produced along with the typed copies of the lease deed and the draft form 'H' which is enclosed herewith, before the Senior Geologist, District Office, **Idukki** at the time of execution.

Please note that the quarrying lease deed has to be executed within a period of six months from the date on which quarrying lease has been granted and got registered in accordance with the Registration Act, 1908 vide Rules 44 of the Kerala Minor Mineral Concession Rules, 2015. Form 'D' is also enclosed herewith for strict compliance and to report thereof.

Yours faithfully,

Handwritten signature and date: 04/05/2017

Encl: as above

DIRECTOR OF MINING & GEOLOGY (I/c)



Copy to -

The Senior Geologist, District Office, Idukki
(Letter No. DOI/250/M/2016 dtd. 08/06/2016)

You are instructed to execute the lease deed as and when it is received. The original survey map is enclosed herewith. **YOUR SEAL AND SIGNATURE SHOULD BE AFFIXED ON THE SURVEY MAP.** Please acknowledge. A copy of the lease deed may be forwarded to this office soon after registration. Ensure that the area under this grant is demarcated and boundary stones fixed before execution of the lease deed.

You are also instructed to obtain and forward the Form D to this office. No movement permits shall be issued before the service of Form 'D' notice, which is a statutory requirement.

You are further instructed to forward photocopies of the registered lease deed to the Director of Mines Safety, Bangaluru Region & District Collector. Also ensure that the lessee has erected notice board and made proper fencing before the execution of lease deed as stipulated in the rules.



PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY

- Sub:** Mining & Geology - Mines & Minerals - Minor Minerals – Granite Building Stone – Quarrying lease to Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha, Idukki District, Pin - 685 588 - sanctioned– orders – issued.
- Ref:**
1. Application dt. 12/02/2016 from Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha, Idukki District, Pin – 685 588
 2. Letter No.DOI/250/M/2016 dtd. 08/06/2016 from the Senior Geologist, District Office, Idukki
 3. Pro.order. No. 1/2016/deiaa/idk/ker dtd. 20/04/2017 of District Environment Impact Assessment Authority,Idukki, Kerala
 4. Kerala Minor Mineral Concession Rules, 2015.

No. 55/2017-18/6319/M3/2016/DMG

Dated, Thiruvananthapuram 04/05/2017

ORDER

A quarrying lease is granted to **Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha, Idukki District, Pin - 685 588** to quarry **Granite (Building Stone)** over an area of **4.3049** hectares of land comprised in Survey Nos. 294/1pt, 294/2pt, 295/5, 295/6pt, 296/2pt, 356/1-1pt of Alakkodu Village, Thodupuzha Taluk, Idukki District for **12 (Twelve)** years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the Tahsildar, Thodupuzha and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

1. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realizable under 29(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realizable under 29(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
5. The lessee shall also deposit an amount of Rs. 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
8. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to 1,45,000 Metric Tons per year.
9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable). Area of extraction permitted, explosives used (if any), etc.
(ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, 100 metres away by the side of the road leading to it.

0. The lessee shall fence the lease area before the commencement of the quarrying operation for preventing accidents by falling of human beings, animals, vehicles or any materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.
11. The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties including government puramboke land while carrying out quarrying operations.
12. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by him.
15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
16. The lessee shall produce scheme of mining before completion of five years of operation of the quarry.
17. The lessee shall produce a financial guarantee for Rs. 1,07,623/- (**Rupees one lakh seven thousand six hundred and twenty three only**) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by him, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
19. The lessee shall carryout mining operations as per the approved mining plan.
20. The lessee shall renew Environmental Clearance on or before **19/04/2022** for the operation of the quarry for the remaining period.
21. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.

The terms and conditions stated in this order will be subject to such further modifications as may be made by the State Government from time to time.

Sd/-
T.K. Ramakrishnan
DIRECTOR OF MINING & GEOLOGY (I/c)

To

Shri. Shiju Thomas, Pallivathukkal (H), Chilavu. P. O, Thodupuzha,
Idukki District, Pin - 685 588

Copy to:

1. The Director of Mines Safety,
No.5, 100FT,Road,17th Main, Koramangala 4th Block
Bengaluru, Karataka - 560034
2. The District Collector, Idukki
3. The Senior Geologist, District Office, Idukki
4. The Tahsildar, Thodupuzha
5. Stock File (2), File Copy

(BY ORDER)

Yale
04/05/2017

SENIOR SUPERINTENDENT



FILE NO : PCB/IDK/CTO/ 85 /2017

Date of issue : 25/04/2017



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

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

K E R A L A and A L A

The Environment (Protection) Act, 1986

As per Application No. :5189621

Dated:25-04-2017

TO

M/s QUARRY OF SHIJU THOMAS

Chilavu P.O

Chilavu

Consent No. :PCB/IDK/ICO/145/2017

Valid Upto :25/04/2020

1. GENERAL

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



Handwritten signature/initials



1	VALIDITY	25/04/2020
2	Name and Address of the establishment	QUARRY OF SHIJU THOMAS CHILAVU P O CHILAVU, THODUPUZHA 685588
3	Communication	Telephone :91-9447522690 Fax :- E-mail:shijuthomasmariya@gmail.com
4	Occupier Details	Sri. Shiju Thomas Pallivathukkal (H) Chilavu P O Chilavu
5	Local Body	Alakkode Panchayathu
6	Survey Number	294/1pt,294/2pt,295/5,295/6pt,296/2pt,356/1-1(4.3049 H)
7	Village	Alakkodu
8	Taluk	THODUPUZHA
9	District	IDUKKI
10	Capital Investment(Rs in Lakhs)	43
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	6560
	Total Fee remitted(Rs)	19680
14	RAW MATERIAL	PRODUCTS
	Rock @300 Metric Tonnes	Granite building stone @300 Metric Tonnes
15	Total Power Required (HP)	300 HP



2. CONDITIONS AS PER

The Water (Prevention and Control of Pollution) Act, 1974

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(b) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: 170:0
- 2.3 Effluent generation: 15:0 liter/day
- 2.4 The characteristics of effluent after treatment shall conform to the following tolerance limits:

SI.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

- 2.5 Mode of disposal of treated effluent: septic tank , soak pit(Domestic)

3. CONDITIONS AS PER

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

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

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



3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)

4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

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

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

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement)-Rules, 2016.

4.3.1 Activities for which Authorisation is granted

Collection	transport
Reception	Storage
Treatment	Reprocessing/Disposal

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

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

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

5. SPECIFIC CONDITIONS

5.1 This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions and based on the affidavit submitted by the occupier in Rs. 100/- stamp paper dated 25.04.2017 and based on the Environmental Clearance no:1/2016/deiaa/idx/ker dated 20/04/2017 Issued by the member secretary DEIAA, Idukki, letter of intent No.6319/M3/2016 dated 14.07.2016 issued by the



Mining and Geology Department and location sketch attached issued by the Tahsildar Thodupuzha dated 08.02.2016 along with.

- 5.2. The consent issued is subject to conditions specified in the clearances issued by the Mining & Geology Department and Explosive Department and the Environmental Clearance, as per the provisions of the relevant statutes.
- 5.3. There shall be a minimum distance of 100 m from the quarrying point to the nearest residence.
- 5.4. Blasting with electric detonators shall be limited to a maximum of 5 nos. at a time.
- 5.5. Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighboring land or building or causing damage to health, life or property.
- 5.6. Proper fencing of the quarry area shall be done to avoid hazards and accidents.
- 5.7. The PM10 in ambient air at the boundary shall not exceed 100 micro gram/m³.
- 5.8. The sound level in d B (A) Leq at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas.
- 5.9. Proper fencing/barrier shall be provided and maintained all around the abandoned deep quarry pits if any to avoid accidents.
- 5.10. Air compressors used for quarrying shall be acoustically enclosed to control the noise.
- 5.11. Noise creating activities such as drilling, blasting, breaking loading etc shall not be done during 6 pm to 8 am.
- 5.12. The quarrying operation shall conduct only after obtaining necessary D&O license from local self Government Institutions.
- 5.13. The location of the quarrying area shall be as shown in the location sketch issued from the Tahsildar Thodupuzha, attached along with the application.
- 5.14. Prior signals such as siren shall be blown before and after each blasting period.
- 5.15. The consent issued from the Board will be valid only for a period during the period when the other statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act 1974, Air Act 1981, Environment Protection Act 1986 and Rules there under. The operation of the unit shall be commenced only at obtaining clearances from all concerned authorities.

DATE :25/04/2017



SIGNATURE & SEAL OF ISSUING AUTHORITY
**Asst. Environmental Engineer
in full additional charge of
Environmental Engineer**

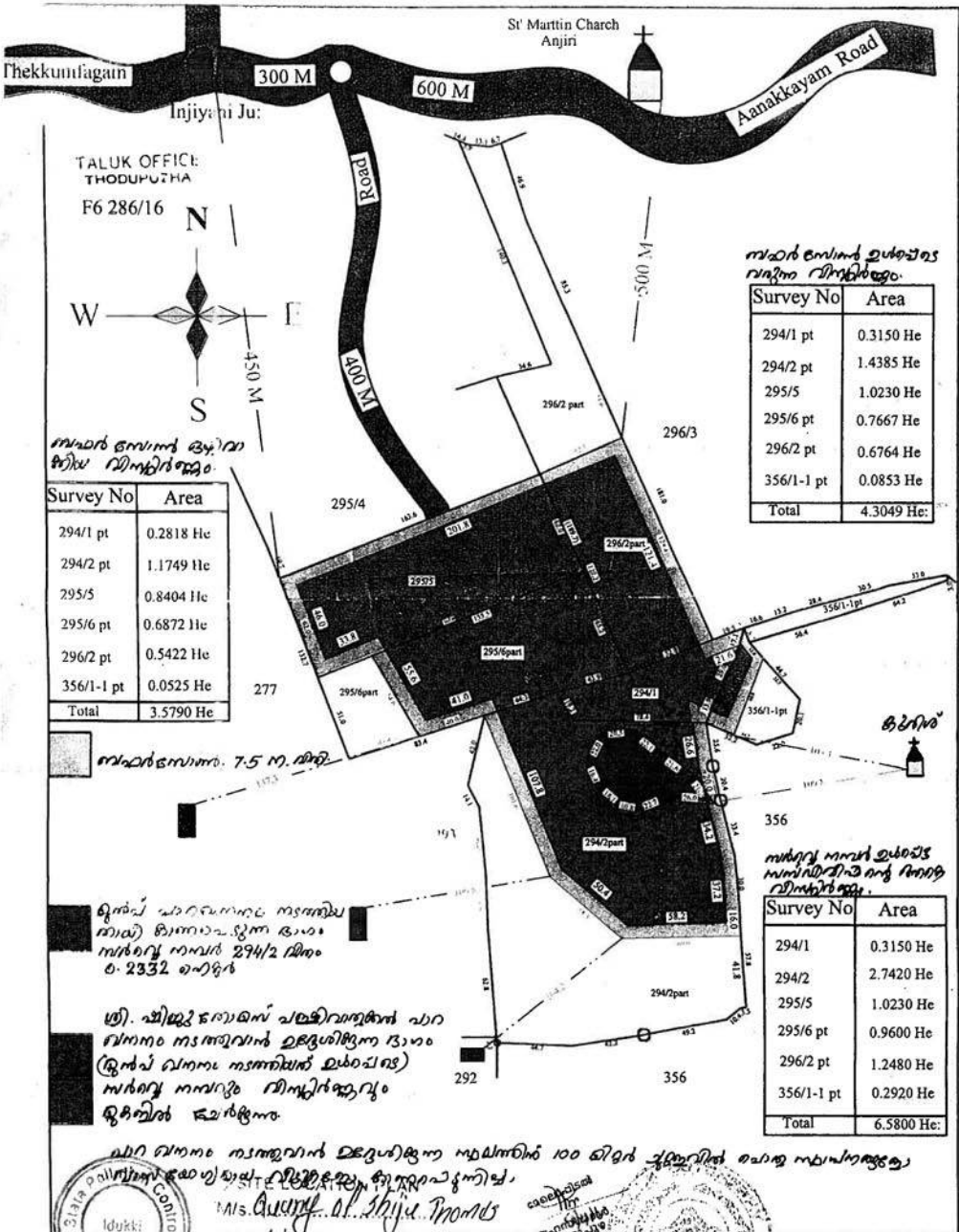
To

1. Member Secretary, KSPCB, Thiruvananthapuram.
2. Chief Environmental Engineer, Regional Office, Ernakulam.
3. Stock file

DISTRICT IDUKKI
TALUK THODUPUZHA

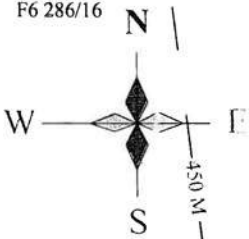
Field No. 294/1 pt, 295/5, 6 pt, 296/2 pt, 356/1 pt

VILLAGE : ALAKKODU
Block No : 32



TALUK OFFICE
THODUPUZHA

F6 286/16



നോർത്ത് ലൈൻ ഉൾപ്പെടെ
മുൻപ് രജിസ്റ്ററേജ്.

Survey No	Area
294/1 pt	0.2818 He
294/2 pt	1.1749 He
295/5	0.8404 He
295/6 pt	0.6872 He
296/2 pt	0.5422 He
356/1-1 pt	0.0525 He
Total	3.5790 He

നോർത്ത് ലൈൻ ഉൾപ്പെടെ
മുൻപ് രജിസ്റ്ററേജ്.

Survey No	Area
294/1 pt	0.3150 He
294/2 pt	1.4385 He
295/5	1.0230 He
295/6 pt	0.7667 He
296/2 pt	0.6764 He
356/1-1 pt	0.0853 He
Total	4.3049 He

നോർത്ത് ലൈൻ. 7.5 മ. അളവ്.

മുൻപ് രജിസ്റ്ററേജ് ചെയ്തതും നടത്തിയ
തൊഴിലിനോടൊത്ത് പൂർണ്ണ ഭാഗം
നോർത്ത് ലൈൻ 294/2 ന്നോ
0.2332 ടെറീറ്ററി

ശ്രീ. ജി.ജെ. സേതുമ്പി ചേർന്നിരിക്കുന്നത് വരെ
പുതിയ നടപടിയുടെ ഉദ്ദേശ്യങ്ങൾ ഭാഗം
(മുൻപ് രജിസ്റ്ററേജ് ചെയ്തതും ഉൾപ്പെടെ)
നോർത്ത് ലൈൻ രജിസ്റ്ററേജ് ചെയ്ത
ഭാഗങ്ങൾ ഉൾപ്പെടെ.

നോർത്ത് ലൈൻ ഉൾപ്പെടെ
മുൻപ് രജിസ്റ്ററേജ് ചെയ്തതും അതിന്റെ
രജിസ്റ്ററേജ്.

Survey No	Area
294/1	0.3150 He
294/2	2.7420 He
295/5	1.0230 He
295/6 pt	0.9600 He
296/2 pt	1.2480 He
356/1-1 pt	0.2920 He
Total	6.5800 He

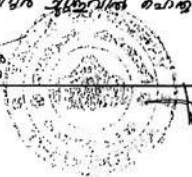
ഈ ഭാഗം നടത്തിയ ഉദ്ദേശ്യങ്ങൾ നിലവിലെ 100 ടെറീറ്ററി ഉൾപ്പെടെ രജിസ്റ്ററേജ് ചെയ്തതും



Mrs. Anjali A. Shiju Thomas

Chiluvu Po

Scale: 1cm = 20m



8/2/16
TALUK SURVEYOR
THODUPUZHA



भारत सरकार | Government of India
 वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry
 पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)
 पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives
 केन्द्रीय भवन, ब्लाक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor
 CSEZ पी.ओ.कक्कनाडु कोच्ची | CSEZ, PO Kakknad Dist. Ernakulam Ernakulam 682037
 फोन (Phone)- 2427286 | फैक्स (Fax)- 2427276

संख्या (No.): E/SE/KL/22/95(E93346)

दिनांक (Date): 14/09/2017

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 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).

गहोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 07/08/2017 का संदर्भ ग्रहण करें।
 Please refer to your letter no. Nil dated 07/08/2017.

अनुज्ञप्ति संख्या E/SE/KL/22/95(E93346) विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन के संदर्भ में यथा संशोधित कर भेजी जा रही है।
 The Licence No.: E/SE/KL/22/95(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 Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	1500	Mtrs
3	Detonators	6	3	0	1000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू): 8 गुना
 Quantity of explosives to be purchased in a calendar month/applicable for licence under article 3(b) and (c): 8 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2021 तक प्रवृत्त रहेगी।
 This licence shall remain valid till 31st day of March 2021.

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

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

भवदीय | Your's faithfully

(ए.के.मेहता | A.K. Mehta)

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

प्रतिलिपि भेजित | 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.

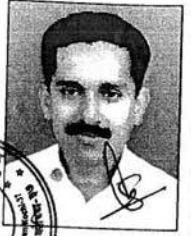
कृते उप मुख्य विस्फोटक नियंत्रक | For The Dy. Chief Controller of Explosives.

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

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

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने
Licence to possess : (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7 in a magazine

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



1. Licence is hereby granted to

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

को अनुज्ञप्ति अनुदत्त की जाती है।

2 अनुज्ञप्तिधारी की प्रास्थिति : Individual

3 अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

Licence is valid only for the following purpose.

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

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

क्र. सं.	नाम और विवरण	वर्ग और प्रभाग	उप-प्रभाग	मात्रा किसी एक समय में
Sr. No.	Name and Description	Class & Division	Sub-division	Quantity at any one time
1.	Nitrate Mixture	2, 0	0	100 Kg.
2.	Safety Fuse	6, 1	0	1500 Mtrs
3.	Detonators	6, 3	0	1000 Nos.

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

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

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

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

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

Survey No. Block No.32, Sy. No.589, ग्राम (Town/Village): Alakkode
जिला (District) IDUKKI राज्य (State) Kerala
दूरभाष (Phone) 9447522690 ई.मेल (E-Mail)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

8. अनुज्ञप्ति समय-समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपबंधों 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.

- उपयुक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए।)
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।
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 उपबर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्ति 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
के उप मुख्य विस्फोटक नियंत्रक
For Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 12/08/2016
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/09/2017

नवीनीकरण के पृष्ठानक के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry

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

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडित अपराध होगा।
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

(Set VIII) | Set VIII

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिन्नी या प्रयोग हेतु रखने के लिए प्रल्प 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 हैं, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तोलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु -
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.
(f) Gun powder belonging to Class 1 shall be kept separately.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लिसरीन 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, शैल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतर्गत या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोकना जा सके। भीतरी भाग में लगी बेंचें, शैल्फ और फिटिंग यथासाध्य चिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बावत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाध्यकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।
The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from;
Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a

building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञप्तिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञप्तिधारी द्वारा पश्चात्वाती 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 प्रभावी 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 बस्त्रों , 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. अनुज्ञप्तिधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टॉक पुस्तक और अभिलेख प्रस्तुत करेगा । स्टॉक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी ।
- The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.
12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञप्तिधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करे ।
- 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 अनुज्ञप्तिधारी 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 अनुज्ञप्तिधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरण प्रस्तुत करेगा ।
- The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
14. यदि सुरक्षा दूरी का कोई अधिकरण होता है तो उसकी सूचना 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 पैकेटों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशेषताओं को पढ़ने के लिए उनके बीच से होकर आ जा सके ।
- The explosive packages shall be stocked in such a way 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 ओहम से अधिक नहीं होगा ।
- The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.
17. मैगजीन के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी ।
- A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.
18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी ।
- Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा ।
- Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
20. विस्फोटकों के खाली पैकेटों को शीघ्रतः वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा ।
- Empty packages of the explosives shall be removed at the earliest and destroyed.
21. अनुज्ञप्तिधारी 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

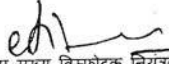
करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है. अधिकारी प्रत्येक सुविधा प्रदान की जाएगी।

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 अनुज्ञप्तिधारक को अनुज्ञात 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 हैं. अनुज्ञप्तिधारक 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. अनुज्ञप्तिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञात फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पलौते 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 हैं, 125 डी.बी.(ए1) 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(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे ;
- The possession and sale of fire-crackers generating noise level exceeding;
- a) 125 dB(A) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
- b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log₁₀ (N) dB, where N = number of crackers joined together.
26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।
- Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञप्तिधारी 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
 कृते उप मुख्य विस्फोटक नियंत्रक
 For Deputy Chief Controller of Explosives
 एरनाकुलम Ernakulam

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

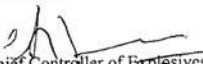
Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SE/KL/22/95(E93346) in form LE-3 granted to Shri Shiju Thomas, Pallivathukkal House, Chilavu P.O.,Thodupuzha, Kerala-685588 .

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

The Date : 05/04/2016

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 12/08/2016
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 28/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/09/2017


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

(THIS MAY PLEASE BE KEPT ATTACHED WITH THE LICENCE NO.E/SC/KL/22/95(E93346) WHICH IS AMENDED FOR ADDITION OF QUARRIES ON 28.04.2017)

THE LICENCE NO.E/SC/KL/22/95(E93346) IS FORWARDED HERewith DULY AMENDED IN RESPECT OF FOLLOWING:-

(1.)INTIMATION REGARDING QUARRYING OPERATIONS AT SY.NOs.294/1 Pt, 294/2 Pt, 295/5, 295/6 Pt, 296/2 Pt, 356/1-1 Pt AT ALAKODE VILLAGE, THODUPUZZHA TALUK, IDUKKI DISTRICT, VIDE INDENT LETTER FROM DEPARTMENT OF MINING & GEOLOGY NO.6319/M3/2016 DATED 14.07.2016 IS ACKNOWLEDGED. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION (2.) LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE. (3.) IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY. (4). OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT. (5) APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING.(6.) ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7, RE-13 SHALL BE MAINTAINED. (7). DAILY PASS FOR USE OF EXPLOSIVES (RE-13) SHALL BE GENERATED ONLINE. (8). EXPLOSIVES AND DETONATORS SHALL NOT BE TRANSPORTED IN THE SAME VAN AND TO BE TRANSPORTED SEPARATELY FROM MAGAZINE TO THE BLASTING SITE. (9) VAN SHALL NOT BE USED FOR STORAGE OF EXPLOSIVES AT SITE.



(A.K. MEHTA)

CONTROLLER OF EXPLOSIVES

OFFICE OF DEPUTY CHIEF CONTROLLER OF EXPLOSIVES

ഇ.കു.വി.നി. ഔസകുലം
D. C. C. E., Ernakulam







ലൈസൻസി : ഷിജു തോമസ്, പള്ളിവാതുക്കൽ, ചിലവ് പി. ഒ. ഇഞ്ചിതാനി
 ഇല്ല : ഇടുക്കി
 താലൂക്ക് : തൊടുപുഴ
 വില്ലേജ് : ആലക്കോട്
 സർവ്വേ നമ്പർ : 294/1, 294/2, 295/5, 295/6, 296/2, 356/1-1
 വിസ്തീർണ്ണം : 4.3049 ഹെക്ടർ
 E.C. No. : 1/2016/DEIAA/IDK/KERALA.
 dtd:20/04/2017 to 19/04/2022
 LEASE ORDER NO : 55/2017-18/6319/M3/2016 DMG dtd:04/05/2017
 LEASE STARTING DATE: 10/05/2017 ending date: 09/05/2029
 D & O LICENSE : 27/04/2017 to 31/03/2018
 NAME OF MINERAL : Granite (Building Stone)
 ANNO LIC PRODUCTION : 1,45,000 METRIC TONNE











**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 being carried out. 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 shall be asphalted.
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 shall be 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 dust 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 is being taken up and shall be implemented. Receipts of CSR activities attached as Annexure 8
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 9
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 10
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 11
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.	
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 12
23.	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Garland Drains shall be provided to channelize the storm water during the monsoon.
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.
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 13
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 14

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 15 & 16.
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 shall be submitted regularly to the Concerned Department as specified.
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 17
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.	Noted and shall be followed.
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 18
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 8
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 shall be 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



Half yearly Compliance Report

Photographs of Fencing

ANNEXURE 2

ANNEXURE 2



Photographs showing fencing with barbed wires

Half yearly Compliance Report

Photographs of Govt.
excess land demarcation

ANNEXURE 3

ANNEXURE 3



Half yearly Compliance Report

Photograph of Excavated Pit as pond

ANNEXURE 4

ANNEXURE 4



Photograph showing the excavated pit retained as rainwater storage pond

Half yearly Compliance Report

Photographs of Greenbelt

ANNEXURE 5

ANNEXURE 5



Photographs showing the development of greenbelt in the project area

Half yearly Compliance Report

Photograph of Rainwater Harvesting Structure

ANNEXURE 6

ANNEXURE 6



Photograph showing the rainwater harvesting tank

Half yearly Compliance Report

Photograph of Dust Suppression

ANNEXURE 7



Half yearly Compliance Report

CSR Receipts

ANNEXURE 8

15

പേര് സിന്ദുരാജി വീട്ടുപേര് കിരീടപതിപ്പൻ

സ്ഥലം കലാത്താരി വീട്ടുനമ്പർ 110 ൽ താമസിക്കുന്ന ഞാൻ

പാറമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

രൂ. 15,000/- തുകയ്ക്ക് കിരീട

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില രൂ. 10,000/- രൂപയാണ്.

3-1-2019
കലാത്താരി

എന്ന്,

പേര് സിന്ദുരാജി

ഒപ്പ് [Signature]

18

പേര് സേബി ടോപ്പൽ വീട്ടുപേര് പെരിങ്ങാട്

സ്ഥലം ഉണിയമ്പി വീട്ടുനമ്പർ 136 ൽ താമസിക്കുന്ന ഞാൻ

പാറമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും ഒരു മുറിയുടെ വീടിന്റെ പണിക്കായി

[ജോലിയ സേബി] വിട്ടുദ്യമ ചെയ്തിന് 5000 രൂപ വെച്ചിരിക്കുന്നു

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില രൂ. 5000/- രൂപയാണ്.

4/1/2019
ഉണിയമ്പി

എന്ന്,

പേര് സേബി ടോപ്പൽ

ഒപ്പ് [Signature]

19

പേര്..... വേദിൻ വീട്ടുപേര്..... ചിറ്റാപാലിൻ

സ്ഥലം..... ഉണിയന്നി വീട്ടുനമ്പർ..... 134 ൽ താമസിക്കുന്ന ഞാൻ

പാറമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

20000 %

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില..... രൂപയാണ്.

Date = 22/1/19

എന്ന്,

Place = ഉണിയന്നി

പേര്..... വേദിൻ

ഒപ്പ്..... [Signature]

20

പേര്..... ബേബി ദ്രേഡ് വീട്ടുപേര്..... ചെമ്മീൻ

സ്ഥലം..... ഉണിയന്നി വീട്ടുനമ്പർ..... 58 ൽ താമസിക്കുന്ന ഞാൻ

പാറമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

വെലിച്ച് ചേർന്നതിനടി 14000

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില..... 14000/- രൂപയാണ്.

10/2/2019

എന്ന്,

ഉണിയന്നി

പേര്..... ബേബി ദ്രേഡ്

ഒപ്പ്..... [Signature]

21

പേര് മാത്യു വീട്ടുപേര് തോട്ടിൽ

സ്ഥലം ജമ്മിയാനി വീട്ടുനമ്പർ 145 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

പെരിയ്ക്കു മണിയുന്നതിനായി 14000/-

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില.....രൂപയാണ്.

5/3/2019
ജമ്മിയാനി

എന്ന്,

പേര് മാത്യു

ഒപ്പ് [Signature]

22

പേര് ദേജിത് വീട്ടുപേര് പെരിയ്ക്കു

സ്ഥലം ജമ്മിയാനി വീട്ടുനമ്പർ 138 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

പെരിയ്ക്കു മോണക്കിനായി 14000/-

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി മെറ്റീരിയലിന്റെ വില.....രൂപയാണ്.

12/3/2019
ജമ്മിയാനി

എന്ന്,

പേര് ദേജിത്

ഒപ്പ് [Signature]

23

പേര് ജോസ് ജോസ് വീടുപേര് ചെമ്മീൻ

സ്ഥലം ജമ്മിയാനി വീടുനമ്പർ 140 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

ചെമ്മീൻ ജോമതിനാലി 14000

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി ~~മെറ്റീരിയലിന്റെ വില~~ രൂപയാണ്.

22/3/2019
ജമ്മിയാനി

എന്ന്,

പേര് ജോസ്

ഒപ്പ് [Signature]

24

പേര് ജോസഫ് വീടുപേര് കൃതേന്ദ്ര

സ്ഥലം ജമ്മിയാനി വീടുനമ്പർ 225 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/

DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

ചെമ്മീൻ ജോമതിനാലി 14000

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി ~~മെറ്റീരിയലിന്റെ വില~~ രൂപയാണ്.

6/4/2019
ജമ്മിയാനി

എന്ന്,

പേര് ജോസഫ്

ഒപ്പ് [Signature]

25

പേര്..... രാജേഷ് വീട്ടുപേര്..... മുനമ്പ് കുഴിമിർ

സ്ഥലം..... ഉണിച്ചി വീട്ടുനമ്പർ..... 128 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

പെരിയ്ക്കു മേയ്നരിമ്പി 15000/-

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി.മെറ്റീരിയലിന്റെ വില..... രൂപയാണ്.

19/4/2019
ഉണിച്ചി

എന്ന്,

പേര്..... രാജേഷ്

ഒപ്പ്..... (Signature)

27

പേര്..... ചിദംബര വീട്ടുപേര്..... മുനമ്പ്

സ്ഥലം..... ഉണിച്ചി വീട്ടുനമ്പർ..... 146 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ പണിക്കായി

പെരിയ്ക്കു മേയ്നരിമ്പി 15000/-

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ടി.മെറ്റീരിയലിന്റെ വില..... രൂപയാണ്.

23/5/2019
ഉണിച്ചി

എന്ന്,

പേര്..... ചിദംബര

ഒപ്പ്..... (Signature)

26

പേര് ദീപേഷ് വീടുപേര് കുന്നേൽ

സ്ഥലം ജമ്മിമംഗലം വീടുനമ്പർ 122 ൽ താമസിക്കുന്ന ഞാൻ

പാഠമടയുടെ ഉടമസ്ഥനായ ഷിജു തോമസ് പക്കൽ ലീസ് നമ്പർ (55/17-18/6319/M3/2016/DMG E-C നമ്പർ 1/2016/DEIAA/IDK/KERALA) നിന്നും വീടിന്റെ ~~പണിക്കായി~~

പതിമൂന്ന് ലക്ഷം രൂപയ്ക്ക് 14,00,000/-

എന്നിവ കൈപ്പറ്റിയിരിക്കുന്നു. ~~ഈ മെറ്റീരിയലിന്റെ~~ വില 14,00,000/- രൂപയാണ്.

10/5/2019
ജമ്മിമംഗലം

എന്ന്,

പേര് ദീപേഷ്

ഒപ്പ് (Signature)

GOVT. L.P. SCHOOL INCHIYANI
KALAYANTHANI P.O, IDUKKI
PIN: 685588

അഭ്യർത്ഥന

Date: 06/06/2019.

എമ്പിട്രിമെന്റൽ കോളേജിലെ ഇന്റർമീഡിയറ്റ് കോഴി പരീക്ഷകൾ 2019-20 നിലവിലുള്ള അധ്യയന വർഷത്തിൽ പാസായവരുടെ പട്ടികയ്ക്ക് താഴെ പറയുന്ന വിവരങ്ങൾ അടങ്ങിയ അപേക്ഷകൾ സമർപ്പിക്കുന്നതിനായി പട്ടികയിൽ ഉൾപ്പെടുത്താൻ അപേക്ഷിക്കുന്നു. ചിലവ് 50 രൂപയായിരിക്കണം. 212021 നമ്പർ പ്രസ്താവിക്കുന്ന ക്രമത്തിൽ ആകട്ടെ (പാ. അ. അ.) ചിലവ് രൂ. 40000 മാത്രം, 40 കോർട്ടിംഗ് അടയ്ക്കണമെന്നും 06.06.2019 ന് ജില്ലാ കോളേജിൽ സമർപ്പിക്കണം.

06.06.2019



(Signature)
BIJU THAKKAPPAN
HEADMASTER
GOVT. L.P.S. INCHIYANI

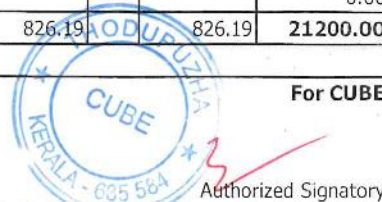
CUBE

KANJIRAMATTOM BYPASS ROAD, THODUPUZHA

Ph:04862 227577, Mob:, EMail:

TAX INVOICE(B2B) - CASH

GSTIN: 32AALFC0351M1ZL		Original for Recipient									
PAN: AALFC0351M		Transportation Mode:									
Tax is Payable on Reverse Charge:		Vehicle No:									
Invoice No: A2		PO No:		Date & Time of Supply:							
Invoice Date: 05-Jun-19		PO Date:		Place of Supply:							
Billed To:					Shipped To:						
Name: SHIJU THOMAS					Name: SHIJU THOMAS						
Address: ALAKKODU					Address: ALAKKODU						
Phone:		Mobile: 8113950203			Phone:			Mobile: 8113950203			
State: KERALA		Code: 32			State: KERALA			Code: 32			
GSTIN/UID: 32DLKPS4092E1ZY					GSTIN/UID: 32DLKPS4092E1ZY						
SL No	Description of Goods / Service	HSN/SAC	Qty/Uom	Rate	Discount	Net Value	CGST		SGST		Total
							%	Amount	%	Amount	
1	CO SCHOOL BAG 0210	4202	40 Nos	247.62		9904.76	2.5	247.62	2.5	247.62	10400.00
2	J GYPSY PRINT 485	66019900	40 Nos	241.07		9642.86	6	578.57	6	578.57	10800.00
	Round Off										0.00
Total:			80		0.00	19547.62		826.19		826.19	21200.00
E&OE		Rupees Twenty One Thousand Two Hundred Only									
GST -> @5% : 9904.76 (247.62,247.62) @12% : 9642.86 (578.57,578.57)											
Bank Details : Certified that the particulars given above are true and correct.											





Branch : Thodupuzha (1143)
195/23, Kuruthukulam Arcade, Kanjiramatt , am Bypass Road, Opposite KSRTC Bus Stand , ,
IDUKKI - 685584
RTGS / NEFT IFSC : ESMF0001143

Valid for 3 months onl
दिनांक 17 09 20 18
Date D D M M Y Y Y Y

Pay Principal Secretary(Finance), Treasurer, CNDRE या उनके आदेश पर OR ORDER

RUPEES रुपये One Lakh Only

अदा करें ₹ 1,00,000/-

A/C No. 2018000012538
खाता क्र

Current Account

For MARIYA GRANITES

Proprieto

Payable at par at all branches of ESAF SMALL FINANCE BANK
सभी शाखाओं में सममूल्यपर देय

Please sign above / कृपया ऊपर हस्ताक्षर करें

⑈000010⑈ 685760002⑈ 013127⑈ 29



LAENNEC INSTITUTE
JYOTHI SUPER BAZAR, THODUPUZHA, IDUKKI

No. **2292**

Date.. 21-06-19

Received with thanks from Reg. No.....

Sri./Smt. Uineeltha Benay

the sum of Rupees.....

Eleven thousand only

towards.....

Rs. 11,000 Principal Bmu Total

N.B. - Fee once paid will not be refunded at any circumstances

Rs.	Ps.
11,000	
11,000	

LAENNEC



INSTITUTE OF MEDICAL SCIENCES

Jyothi Super Bazar, Thodupuzha

Ph: 04862-228753, E-mail: laennectdpa@gmail.com

Affiliation No. KL/IDK/011

Approved by Bharat Sevak Samaj (BSS)

(National Development Agency, Promoted by Govt. of India)

Place : Thodupuzha

Date : 24.06.19

This is to inform you that Mr. Shiji Thomas, Palluathukkal (H), Chilam P.O had paid Rs 11,000/- on 21st June 2019 in favour of the Final year Diploma in Medical Lab Technician Fee of Ms. Vineetha Binoy, Alackal (H), Ancheri P.O, Thodupuzha.

LAENNEC, BHARAT SEVAK SAMAJ

Vocational Training Centre

Thodupuzha-686 584.

Half yearly Compliance Report

Photographs showing
Blasting Time displayed

ANNEXURE 9



Half yearly Compliance Report

Certificate of Mines Manager

ANNEXURE 10

BY REGISTERED POST



भारत सरकार/ Govt. of India
श्रम एवं रोजगार मंत्रालय/ Ministry of Labour & Employment
खान सुरक्षा महानिदेशालय/ Directorate General of Mines Safety
बैंगलुरु क्षेत्र, द.अ./Bangalore Region ,SZ.



E-Mail : dir.bqr@dams.gov.in

No.5, 17th Main, 100 ft Road, 4th Block
Koramangala, Bangalore- 560034(Karnataka)
Tel: , 080-25535971-74 FAX: 080-25535972

सं./SZ/BGR/KER/IDU/18/Auth-34(6)/P-95/2016-17/

बैंगलुरु, दिनांक,

2017.

प्रेषक,

खान सुरक्षा निदेशक,

बैंगलुरु क्षेत्र, द.अ.।

सेवा में,

Shri Shiju Thomas ,

Owner: Shiju Thomas Stone Quarry,

Pallivathukkal House,Chilavu Post,

Thodupuzha,Village:Thodupuzha District: Idukki, Kerala-685 588

वषय:-Authorization under Regulation 34(6) of MMR, 1961 in favour of Sri Gujiri Krishna Chandra, holder of Second Class Manager's Certificate (Restricted) to work as manager of Shiju Thomas Stone Quarry in Vill: Alakkodu, Taluk: Thodupuzha, Dist: Idukki, (Kerala).

सहायक

Please refer to your letter No.Nil dated 07.10.2017 on the above subject.

In view of what has been stated in your application, I, in exercise of the powers conferred on the Chief-Inspector of Mines (also designated as Director General of Mines Safety) under the provisions of Regulation 34(6) of the Metalliferous Mines Regulations, 1961 and by virtue of the authorization granted to me by the Chief Inspector of Mines under Section 6(1) of the Mines Act, 1952, I, do hereby authorize Sri Gujiri Krishna Chandra, holder of Second class Manager's certificate (Restricted), Certificate-No: SMR-5737 dated 25.08.2015, to act as Manager of Shiju Thomas Stone Quarry in Vill: Alakkodu, Taluk: Thodupuzha, Dist: Idukki, (Kerala) i.e **up to 30.10.2018**, subject to the following conditions:

1. Manager shall not take up any appointment in any capacity whatsoever in another mine.
2. If required, deep hole drilling machinery not exceeding 100 mm diameter may be deployed with maximum two loading machines with supports in the mine.
3. In case, deep hole blasting with hole diameter not exceeding 100mm has to be conducted, it shall be carried out under the personal supervision of the manager. Blasting parameters of each blast with a sketch showing the drilling pattern and the holes charged shall be maintained in register kept for the purpose for each blast.
4. The average daily employment of persons at the mine shall not exceed 100 in all, underground workings shall not be made and consumption of explosives per day shall not exceed 500Kgs.
5. No ore dressing/handling/processing plant is attached with the mine.
6. The provisions of Regulation 164(1-A)(c) and 164(1-B)(a) shall be strictly complied with.

7. Where by reason of absence or for any other reason, the manager is unable to exercise daily personal supervision, a person holding at least a valid Foreman's Certificate shall be authorized to act as Manager of the mine in compliance with Regulation 34(7) (a) (1) and if no such qualified person is available, the mine workings should be kept suspended during such absence of the Manager. Attention is drawn to Regulation 34(7)(a) and (b) in respect of the period of authorization permitted, intimation of authorization to Director General of Mines Safety, Dhanbad and the undersigned etc.
8. The above authorization shall stand cancelled as soon as the person to whom it is being granted leaves the service at the mine under reference.
9. Intimation about the termination of manager as a result of his Transfer/Termination of Service/Resignation shall also be submitted in Form I of the First Schedule immediately.
10. Notwithstanding anything contained above, the authorization may be withdrawn at any time as provided in the aforesaid Regulation.
11. If at any time any one of the conditions, subject to which this authorization has been granted, is violated or not complied with, this authorization shall be deemed to have revoked with immediate effect.
12. In the event of any change in the circumstances connected with this authorisation, intimation thereof shall be sent to this Directorate.
13. This authorisation is being granted without prejudice to any other statutory provisions, which may be or may become applicable at any time.
14. This authorisation may be amended, modified or withdrawn at any time if considered necessary in the interest of safety.

आपका विश्वसनीय,

Sd/-

खान सुरक्षा निदेशक,

बैंगलुरु क्षेत्र, द.अं.

स./SZ/BGR/KER/IDU/18/Auth-34(6)/P-95/2016-17/ 182 A-

बैंगलुरु, दिनांक, 08.11.2017

Copy forwarded for information and necessary action to:

✓ Manager, Shiju Thomas Stone Quarry of Shri Shiju Thomas, Pallivathukkal House, Chilavu Post, Thodupuzha, Village: Thodupuzha, District: Idukki, Kerala-685 588

Sd/-
खान सुरक्षा निदेशक,

बैंगलुरु क्षेत्र, द.अं.

Half yearly Compliance Report

Photograph showing
Benches

ANNEXURE 11

ANNEXURE 11



Photograph showing the formation of benches

Half yearly Compliance Report

Photograph showing
workers with PPE's

ANNEXURE 12

ANNEXURE 12



Photograph showing the workers wearing PPE's

Half yearly Compliance Report

Photograph showing
Magazine

ANNEXURE 13

ANNEXURE 13



Photograph showing the explosives stored in Magazines

Half yearly Compliance Report

Consent from KSPCB

ANNEXURE 14

FILE NO : PCB/IDK/CTO/ 85 /2017

Date of issue : 25/04/2017



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

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

K E R A L A and

The Environment (Protection) Act, 1986

As per Application No. :5189621

Dated:25-04-2017

TO

M/s QUARRY OF SHIJU THOMAS

Chilavu P.O

Chilavu

Consent No. :PCB/IDK/ICO/145/2017

Valid Upto :25/04/2020

1. GENERAL

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



Handwritten signature/initials



1	VALIDITY	25/04/2020
2	Name and Address of the establishment	QUARRY OF SHIJU THOMAS CHILAVU P O CHILAVU, THODUPUZHA 685588
3	Communication	Telephone :91-9447522690 Fax :- E-mail:shijuthomasmariya@gmail.com
4	Occupier Details	Sri. Shiju Thomas Pallivathukkal (H) Chilavu P O Chilavu
5	Local Body	Alakkode Panchayathu
6	Survey Number	294/1pt,294/2pt,295/5,295/6pt,296/2pt,356/1-1(4.3049 H)
7	Village	Alakkodu
8	Taluk	THODUPUZHA
9	District	IDUKKI
10	Capital Investment(Rs in Lakhs)	43
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	6560
	Total Fee remitted(Rs)	19680
14	RAW MATERIAL	PRODUCTS
	Rock @300 Metric Tonnes	Granite building stone @300 Metric Tonnes
15	Total Power Required (HP)	300 HP



2. CONDITIONS AS PER

The Water (Prevention and Control of Pollution) Act, 1974

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(b) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: 170:0
- 2.3 Effluent generation: 15:0 liter/day
- 2.4 The characteristics of effluent after treatment shall conform to the following tolerance limits:

SI.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

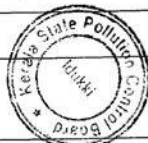
- 2.5 Mode of disposal of treated effluent: septic tank , soak pit(Domestic)

3. CONDITIONS AS PER

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

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

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



3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)

4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

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

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

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement)-Rules, 2016.

4.3.1 Activities for which Authorisation is granted

Collection	transport
Reception	Storage
Treatment	Reprocessing/Disposal

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

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

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

5. SPECIFIC CONDITIONS

5.1. This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions and based on the affidavit submitted by the occupier in Rs. 100/- stamp paper dated 25.04.2017 and based on the Environmental Clearance no:1/2016/deiaa/idx/ker dated 20/04/2017 Issued by the member secretary DEIAA, Idukki, letter of intent No.6319/M3/2016 dated 14.07.2016 issued by the



Mining and Geology Department and location sketch attached issued by the Tahsildar Thodupuzha dated 08.02.2016 along with.

- 5.2. The consent issued is subject to conditions specified in the clearances issued by the Mining & Geology Department and Explosive Department and the Environmental Clearance, as per the provisions of the relevant statutes.
- 5.3. There shall be a minimum distance of 100 m from the quarrying point to the nearest residence.
- 5.4. Blasting with electric detonators shall be limited to a maximum of 5 nos. at a time.
- 5.5. Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighboring land or building or causing damage to health, life or property.
- 5.6. Proper fencing of the quarry area shall be done to avoid hazards and accidents.
- 5.7. The PM10 in ambient air at the boundary shall not exceed 100 micro gram/m³.
- 5.8. The sound level in d B (A) Leq at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas.
- 5.9. Proper fencing/barrier shall be provided and maintained all around the abandoned deep quarry pits if any to avoid accidents.
- 5.10. Air compressors used for quarrying shall be acoustically enclosed to control the noise.
- 5.11. Noise creating activities such as drilling, blasting, breaking loading etc shall not be done during 6 pm to 8 am.
- 5.12. The quarrying operation shall conduct only after obtaining necessary D&O license from local self Government Institutions.
- 5.13. The location of the quarrying area shall be as shown in the location sketch issued from the Tahsildar Thodupuzha, attached along with the application.
- 5.14. Prior signals such as siren shall be blown before and after each blasting period.
- 5.15. The consent issued from the Board will be valid only for a period during the period when the other statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act 1974, Air Act 1981, Environment Protection Act 1986 and Rules there under. The operation of the unit shall be commenced only at obtaining clearances from all concerned authorities.

DATE :25/04/2017



SIGNATURE & SEAL OF ISSUING AUTHORITY
**Asst. Environmental Engineer
in full additional charge of
Environmental Engineer**

To

1. Member Secretary, KSPCB, Thiruvananthapuram.
2. Chief Environmental Engineer, Regional Office, Ernakulam.
3. Stock file

Half yearly Compliance Report

Air Quality Monitoring Reports

ANNEXURE 15



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/5942/2019
Mr. Shiju Thomas. Pallivathukal (H) Chilavu Post, Thodupuzha, Idukki Pin:685588	Date of issue:	24/03/2019
	Date of monitoring	11/03/2019 12.00 Hrs to 12/03/2019 12.00 Hrs
	Date of sample received:	13/03/2019
	Date of analysis	14/03/2019
	Monitoring Location	Quarry owned by Mr. Shiju Thomas SY Nos.294/1 Pt, 294/2 Pt, 295/5, 295/6 Pt, 296/2 Pt & 356/1-1 Pt. Taluk : Thodupuzha Village : Alakode District : Idukki, Kerala
	Sample description	Ambient air -Near East side boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 23 2006	48.8 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	WI/AMB2.5/01	28.5 µg/m ³	60 µg/m ³
03	Sulphur dioxide	I S 5182 Part 2 2001	8.5 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006	5.3 µg/m ³	80 µg/m ³

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory

For and on behalf of
POLUCHEM LABORATORIES (P) LTD.

AUTHORIZED SIGNATORY

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.

Half yearly Compliance Report

Water Quality Analysis 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 02

Ref.No. PL/RT/SW/5942/2019

Date of Issue: 22/03/2019

Name & address of customer

: Mr. Shiju Thomas, Pallivathukal (H), Chilavu P O
Thodupuzha (Via), Idukki

Project Site

: Quarry Owned by Mr. Shiju Thomas
Sy Nos.294/1 |Pt, 294/2 Pt, 295/5, 295/6 Pt, 296/2 Pt
& 356/1-1 Pt.

Taluk : Thodupuzha

Village: Alakode

District: Idukki, Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Water Sample

Location of sampling

: Pond Water- Out Side – North Side.

Date of sample collected

: 12/03/2019

Date of analysis started

: 13/03/2019

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984	1 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983	6.94	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 15 – 1984	94 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983	28.6 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986	26.6 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988	10.61 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991	6.62 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994	1.68 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003	0.13 mg/l	0.30 mg/l
Sulphate as SO ₄	IS 3025 (P) 31 – 1988	16.11 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 – 2008	0.15mg/l	1.0 mg/l

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

Authorized Signatory

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY
PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104
Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

Page 02 of 02

Continuation of Test Certificate No: 5942/2019

Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P)56 – 2003	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37– 1988	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42– 1992	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59– 2006	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41– 1992	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 – 2003	BDL	0.05 mg/l
Zinc as Zn	IS 3025(P) 49 – 1994	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 – 1994	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27 – 1986	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47– 1994	BDL	0.01 mg/l
Aluminum as Al	IS 3025 (P) 5 – 2003	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57– 2005	BDL	0.5 mg/l

Note : BDL – Below Detection Level

MICROBIOLOGY ANALYSIS

Parameters tested	Unit	Test method	Results	Acceptable Limit As per IS – 10500-2012
Coliforms	MPN/100ml	IS 1622: 1981	122	Absent
E coli	Present or Absent/100ml	IS 1622: 1981	Absent	Absent

For PoluChem Laboratories (P) Ltd

Authorized signatory

* End of the report*

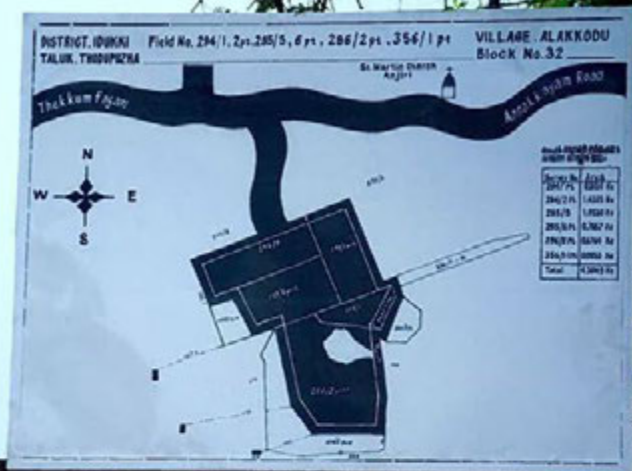
SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.

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
Conditions displayed

ANNEXURE 17



ലൈസൻസി : ഷിജു തോമസ്, പള്ളിവാതുക്കൽ, ചിലവ് പി. ഒ., ഇഞ്ചിതാനി
 ഇല്ല : ഇടുക്കി
 താലൂക്ക് : തൊടുപുഴ
 വില്ലേജ് : ആലക്കോട്
 സർവ്വേ നമ്പർ : 294/1, 294/2, 295/5, 295/6, 296/2, 356/1-1
 വിസ്തീർണ്ണം : 4.3049 ഹെക്ടർ
 E.C. No. : 1/2016/DEIAA/IDK/KERALA.
 dtd:20/04/2017 to 19/04/2022
 LEASE ORDER NO : 55/2017-18/6319/M3/2016 DMG dtd:04/05/2017
 LEASE STARTING DATE: 10/05/2017 ending date: 09/05/2029
 D & O LICENSE : 27/04/2017 to 31/03/2018
 NAME OF MINERAL : Granite (Building Stone)
 ANNO LIC PRODUCTION : 1,45,000 METRIC TONNE

Half yearly Compliance Report

Noise Level Monitoring Reports

ANNEXURE 18



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/5942/2019
Mr. Shiju Thomas. Pallivathukal (H) Chilavu Post, Thodupuzha, Idukki Pin:685588	Date of issue:	22/03/2019
	Date of monitoring	11/03/2019 12.00 Hrs to 12/03/2019 12.00 Hrs
	Monitoring Location	Quarry owned by Mr. Shiju Thomas SY Nos.294/1 Pt, 294/2 Pt, 295/5, 295/6 Pt, 296/2 Pt & 356/1-1 Pt. Taluk : Thodupuzha Village : Alakode District : Idukki, Kerala
	Sample Description	Ambient Sound Level (Leq)
Monitoring Location	Time	Results
East side boundary	12.00 Hrs	43.9 dB (A)
	13.00 Hrs	46.3 dB (A)
	14.00 Hrs	47.2 dB (A)
	15.00 Hrs	49.3 dB (A)
	16.00 Hrs	40.4 dB (A)
	17.00 Hrs	39.3 dB (A)
	18.00 Hrs	38.4 dB (A)
	19.00 Hrs	34.4 dB (A)
	20.00 Hrs	33.9 dB (A)
	21.00 Hrs	33.9 dB (A)
	22.00 Hrs	33.4 dB (A)
	23.00 Hrs	34.5 dB (A)
	00.00 Hrs	35.8 dB (A)
	01.00 Hrs	36.6 dB (A)
	02.00 Hrs	37.1 dB (A)
	03.00 Hrs	38.9 dB (A)
	04.00 Hrs	39.4 dB (A)
	05.00 Hrs	38.4 dB (A)
	06.00 Hrs	39.2 dB (A)
	07.00 Hrs	40.7 dB (A)
08.00 Hrs	41.2 dB (A)	
09.00 Hrs	42.5 dB (A)	
10.00 Hrs	43.3 dB (A)	
11.00 Hrs	41.6 dB (A)	
Leq (Day time)		44.3 dB (A)
Leq (Night time)		33.4 dB (A)

*End of the Report *

For PoluChem Laboratories (P) Ltd.

Authorized Signatory

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.