### UNITED GRANITES AND METALS

### VAZHITHALA POST, THODUPUZHA IDUKKI DISTRICT, KERALA

# Compliance Report for the period 1-7-2019 to 31-12-2019

File No: SEIAA, Kerala No. 1137/EC/SEIAA/KL/2017 Dt. 17-03-2018.

### STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

#### BRIEF DESCRIPTION OF THE PROJECT

United Granites and Metals is operating a Building stone quarry to the extent of 12.2987 Hectores in Sy. No. 354/4, 354/5, 354/1pt, 351/1 pt, 350, 352/1 pt at Manakkad Village, Thodupuzha Taluk, Idukki District for which SEIAA Kerala has accorded E.C Clerances vide File No: SEIAA, Kerala No. 1137/EC/SEIAA/KL/2017 Dt. 17-03-2018

#### GENERAL CONDITIONS (FOR MINING PROJECTS)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.

#### **Compliance**

Rain water Harvesting facilities are adopted in the company by earmarking Three numbers open pits at the bottam of the quarry lowest level.

Arrangements are made to flow the storm water into the pits at the lowest level and which has been protected by forming parapet walls and water garlands.

The details of the provision made for collection of rain water is under

**Pit No. 1** Located in east side of the quarry.

57 mtr length, 47 mtr width and 7 mtr depth. Total volume of 18753 m<sup>3</sup> (18000 KL of Water)

<u>Pit No. 2</u> Located at south side of the pit and having dimension of 76 mtr x 55 mtr x 7 mtr. Rain water harvested in this pit is about 29260 m<sup>3</sup> (29000 KL of water).

<u>Pit No. 3</u> at North portion of the quarry with a dimension of 80 mtr x 62 mtr and 9 mtr thereby nearly 45000 KL of rain water collected.

(The rain water harvested in the mines are illustrated in Annexure 1a, 1b and 1c photos enclosed). Out of the rain water harvested Company is utilizing 2 KLD is for the domestic purpose, 12 KLD for dust supression in mine and 2 KLD for plantation.

2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.

Environment Monitoring Cell has been formulated and functioning in the company effectively.

The Environment monitoring cell is currently composed of 5 members Sri. Sonu Jose, Director of the company chair the committee and the remaining members are as listed below.

1	Sri. Sonu Jose Director, United Granites and Metals	Head of the EMC
	Director, Cinted Graintes and Metals	
2	Sri. Prasanth	Asst. Environment Officer (Safety)
3	Sri. Rodriques	Ast. Environment Officer
4	Sri. Jomy Joy	Asst. Environment Officer (Health)

#### **Function of the committee**

- i) New project and determine the impact of the environment.
- ii) Design of comprehensive environment management plan.
- iii) obtain all clearance in matter of environment and implementation of the Government directives, if any
- iv) constant monitoring of Air, Noise and water pollution laboratories (P) Ltd Ernakulam 683104, a laboratory Accredited by KSPCB as 'A' grade Laboratory.
- V) Increase the cover of green field on the boundary of the lease hold areas.
- vi) Adaptation of conservation of resources
- VIII) Organising Health checkups and medical camp with the Association of Local Body Society Hospital
- 3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.

Suitable avenue tress are planted along either side of the tarred road and open parking areas, including approach road and internal roads in the earlier period. The tress are well grown up to 4 mtr in height with side branches which protect the spread of the dust. (Images of the tress planted along road side are enclosed)

Nearly 600 nos. of saplings are planted during the compliance period which is of local variety procured from Forest Department.

Images are illustrated in the Fig. as Annexure -2

4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.

Solar lights are installed for the external lighting purpose in the haul road as well as workers residential areas. Further, water geysers with solar pannels are installed in the canteen and workers rest house as a welfare measure.

5. Sprinklers shall be installed and used in the project site to contain dust emissions.

Sprinklers are installed in the project site to contain dust emissions. Mobile sprinklers are in use in addition to the fixed sprinklers at regular intervals along with mist formation.

6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.

ECO restoration including the mine closer plan to be met at the cost of the company.

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 E.C

As per the condition laid down, more than 10 per cent of the excavated area had retained as water storage area and the remaining excavated area been reclaimed with filling over burden and soil for plantation purpose. Already 2944 nos of trees are planted during the past and the survival rate is nearly 90% and the trees are well grown upto the height of about 4.5 mtr to 5.5 mtr. Further, 600 saplings are planted in the current compliance period which suits to the soil with indigenous plant species.

8. Corporate Social Responsibility (CSR) agreed upon the proponent should be implemented

The details of CSR under taken by the company can be seen at the end of this report.

9. The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.

Before commencement of quarry activities, the boundaries are well fenced. Barbed wire fencings are errected to the height of about 2 mtr.

The sign boards, markings and other boundary indicators are protected at all times and clearly visible, discerrible at any time in a notificable way.

### 10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.

Warning alarms are installed for indicating the blasting in the mines.

Blasting Timmings are displayed in the prominent area by way of caution board. The stipulation laid down by the Explosive Departmet and panchayat are adhered too.

#### 11. Control measures on noise and vibration prescribed by KSPCB should be implemented.

Control measures on Noise and vibration prescribed by KSPCB are implemented. The core machinaries used in the project been properly maintained with improvement of design.

Use of Ear Plug/muffle are provoided for personal use of workers where ever nedded. Wide green belt are created to arrest the noise pollution. Workers were trained about noise level effects and alerted the workers curtail the noise level.

Planned monitoring of noise at the outside of the project are conducted and suitable remidial measures are adopted. Vibration are also controlled by adopting controlled blasting Technique. Explosives are used with bare minimum and fired with NONEL detonaters and qualified blasters are used for the Blasting purpose under the direct supervision of First Class Mines Manager.

### 12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.

Quarrying activities are carried out only in the day time.

# 13. Blasting should be done in the controlled manner as specified by the regulations of Explosives Department or any other concerned agency.

Blasting been done in the controlled manner as per the regulations of the Explosives Department and mines safety department.

#### 14. A licenced person should supervise/control the blasting operations.

The blasting operation in the mines are controlled/supervised by licenced persons.

Sri. Rodriques, Sri. Jomy Joy, Sri. Mahesh kumar and Sri. Naresh are engaged for the conduct of blasting operation in our project. All the four are qualified lienced persons.

15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.

Access roads to the quarry are tarred with adhequate width. Where ever required one way traffic been enforced for the loaded truck and empty vehicle. Dust are controlled by wet system and proper covers.

16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.

Overburden materials are stacked separately within mines area and been utilized for restoration of old pit and also preserved for usage at the time of closure of mine plan

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

Height of the bench and the width are maintained as required under the provision.

18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.

Suitable and required mats are in use to reduce fly rock blast.

19. Maximum depth of mining from general ground level at site shall not exceed 10 m.

Presently the mining opearations are planned and executed in the top level and not exceeding the limit prescribed by the authority.

20. No mining operations should be carried out at places having a slope greater than 45°.

Mining activities are not carried out in the area having slope greater than 45°.

21. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.

Acoustic enclosures are fitted in the Air compressors in the form of "couplings" to reduce sound amplifications. Further thick green belts are created with hollow brick walls. Hence,

noise levels are maintained to the permissiable limit and standard prescribed by the KSPCB.

# 22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet etc

The workers on the site are provided with required protective equipments such as ear Muff, Helmet, Hand gloves, Goggles, safety boot and safety jacket

### 23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.

Garland drains been made in the quarry and OB dumps to channalise storm water with clarifiers.

Settling tanks builded with machanical means for continous removel of solids being deposited by sedimentation.

### 24. The transportation of minerals should be done in covered trucks to contain dust emissions.

The transportation of minerals are done with covered trucks to contain the dust emission.

# 25. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.

27 nos of trees were uprooted during this compliance period and 600 nos. are planted.

## 26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.

Disposal of spent oil is done with proper care in such a way that the 'waste oil' is disposed in a separate container to the places identified for the purpose.

# 27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.

Explosives are stored in the approved place specified by the Explosive Department. Proper fencing, gaurding the storage place been done to avoid the unauthorised entry of person.

# 28. A minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.

No such dwelling unit or other structures are available with a minimum buffer distance of 100 m from the boundary of the quarry.

29. 100 m buffer distance should be maintained from forest boundaries.

Not applicable. Since no forest area is present near to the quarry.

30. Consent from Kerala State Pollution Control Board under Water and Air Act (s) should obtained before initiating mining activity.

Consent from the KSCPB under water, Air Acts were obtained prior to the mining operation vide KSPCB Lr. No. 0181DKC TOA 7515269 dtd. 28-06-2018.

31. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.

All other statutary sanctions are obtained from the respective competent authorities. The details are as below.

#### Mines Act 1952

Permission obtained from DGMS for Mining operation by deploying HEMM under Regn. 106 (2) (B) of MMR 1961 vide authority letter No. BGR/106(2)(b)2013-14/843 dtd. 6-6-2013.

Under Explosive Rules 2008 storage and use of Explosives licence are obtained from PESO issued by Chief controller of Explosives.

1) Licence No. E 7220

2) Licence No. E 38112

Kerala Panchayat Raj Act 1994

Consent from the Kerala Panchayat been obtained from Local Panchayat Vide Lr. No. A514/201920 28.03.2019

#### **KSPCB**

Consent obtained vide Lr. No: PCB/RO-EKM/IDK/OL-845/18

#### **Department of mining and Geology**

Permission/Sanction of QL/ML obtained vide Lr. No. ML 451/2018-19/890/m<sup>3</sup>/2017/DMG dt. 01.10.2018 TVM.

Execution No. 56/2019-20/RMCU/Idukki/2695/m3/2015 dt. 19/3/2019.

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 the environmental parameters impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.

There is no any change in the scope of the project, extent quantity, process of mining, Technology involved or any other way affecting the environmental parameter as assessed, based on which EC is issued. Further, the project does not required any fresh appraisal.

33. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

The company implemented all the conditions satisfactorily in time bound manner and not deviated any condition of KSPCB.

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, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

The stipulations by statutory Authorities under different Act and notifications are complied with such as the Air (Prevention and control of Pollution) Act 1974, The Air (Prevention and control of pollution) Act 1981, the environment (Project) Act 1986, the public liability (Insurance) Act 1991 and EIA notification 2006.

35. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of

clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forward to the office of this Authority as confirmation.

We have advertised in Two local News paper widely circulated in the region and one of which is Iri vernacular language that is locality commonly speaking/reading language Malayalam and English. The copies of the news paper are enclosed.

Malayalam Dt. 12 April 2018 Kerala Kaumudi

English Dt. 12 April 2018 The Hindu Daily

In the advertisement, we informed the public that the project has been accorded Environment clearance from SEIAA (Kerala and may also seen on the website of the authority at www.seiaakerala.org. We have also submitted the copies of the advertisement and the duplicate copy of the clearance letters are duly signed by page wise to the authority in due date as confirmation of acceptance of the EC.

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, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.

A copy of the clearness letter has been sent to the concerned Grama Panchayath. Acknowledgment has been received with them in this regard (Copies enclosed)

37. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of complacence 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 MoEE Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.

The company has submitted Half Yearly reports of the status of compliances of the stipulated EC conditions including the results of the monitoring data, both in hard copies as well as by e-mails and uploaded in the website of the company www.unitedgranitesandmetals.com and update the same periodically.

HYCR are sent to be authorities regularly by hard amd soft copies as well as through Email. Also which has been uploaded in the company website.

38. The details of Environmental Clearance should be mominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman front of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.

The details of the Environment clearance is prominently displayed in a metallic Board of 5 feet x 4 feet with green back ground and yellow letter of TIMES NEW ROMAN FONT of size of 40.

Sign board with extent of lease area and boundaries are depicted at the entrance of the quarry and it is visible to the public.

39. The proponent should provide notarized affidavit (indicating the numbers and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.

A notarized affidavit is provided stating that the condition stipulated in the E.C bearing Reg. 1137/EC/SEIAA/KL/2017 shall be scrupulously followed.

40. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion ir modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.

The company assure that no change in mining technology and scope of the working to be made without prior approval of SEIAA.

Further, expansion of the project or modification in the mine work will not be carried out. In case of any modification of the mine, it will be carried out after obtaining the approval from SEIAA (Kerala).

41. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.

It is ensured that no natural water course and/or water resources is obstructed due to any mining operation. In the event of any first order st

42. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.

Monitoring of Ambient Air quality has been carried out based on notification 2009, as amended from time to time by CPCB.

Water sprinklers are installed and increased at all places of loading, unloading points and transport point to reduce fugitive emissions. The last monitoring data carried out by M/s Poluchem Laboratories (P) Ltd., Chemical, Environmental and Microbiology Laboratory, Pallath Building, N. Kalamassery P.O, Ernakulam - 683104 accredited by KSPCB as "A" Grade laboratory. The date of monitoring was on 16-09-2019 and the report bearing No. PL/RT/ST/8226/2019.

Photo copies are enclosed.

43. The top soil, if any, shall temporarily be stored at earmarked site (s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked 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 run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.

The top social during the development of mine are temporarily stored in the earmarked area and the same will be used for the reclamation and plantation.

Arrangement for stacking over burden in separate stock at earmarked dump yard will be done as per the specification of the authority. ie. The height of the dump not exceeding 8 mtr 20 width with slope of 45 degrees. Present operation, we have not encounter any OB, if over burden excavated dumping arrangement will be done as stipulated above and made secure until the vegetation becomes self sustaining.

44. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly distilled particularly after monsoon and maintained properly.

Catch drains and siltation ponds of appropriate size have been constructed around the mining working, minerals and OB dumps to prevent run of water and flow of sediments directly into the river and other water bodies. The water so collected are use for the sprinklers purpose and the drains/ponds are distilled in off season and maintained effectively.

45. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of  $PM_{10}$  and  $PM_{25}$  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 Central Pollution Control Board in this regard.

In critical areas such as Loading, unloading, Haul Roads and transfer points are effectively safe guarded by regular water sprinkler arrangements. Where prone to air pollution and having high levels of  $PM_{10}$  and  $Pm_{25}$ 

46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

Fugitive dust emissions from all sources are controlled regularly right from the start of the work to the end of the work by water spraying arrangement in different levels ie. mobile sprinklers, fixed sprinklers and mist water sprayer. Thus in critical area and general haul road emissions are controlled (photos enclosed)

#### 47. Measures should be taken for control of noise levels below 85 dBA in the work environment.

Suitable measures are take to control the noise levels below 85 dBA in the work environment.

48. A separate environmental management cell with suitable qualified personnel should be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.

A separate environment management cell with suitable qualified personnel are engaged and set up under the control of a senior executive of the company. Sri. Joseph, Professor and HOD of Botany Department, Marthoma College, Pala has been assigned the responsibilities of Management cell with respect to the green belt, check dams and silting arrangement. Other executive, has been entrusted the task of safe working in mine and control of pollution of Dust, noise and vibration with the help of out sourcing laboratory. Sri. Rodratues,

Mining Mate (Senior) will manage the other activities of the management cell as directed by the Gen. Manager of the company.

The above said management cell directly report to the Sr. executive of the company. Sri. Sonu, Director and inturn he reports to the Head of the Company for effective management.

49. The funds earmarked for environmental protection measures and CSR activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.

For the purpose of CSR and Environment protection work, Funds earmarked are maintained in separate register and funs earmarked for this purpose will not be directed to any other work/Head of account.

The expenditure incurred towards the CSR and environment protection work are reported to the SEIAA office every year regularly as per our books of record with facts.

50. The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.

The company will abide the conditions as stipulated in SI. No. 50

All the legitimate cooperation will be extended to the Regional officer of MOEF and chief conservator located at Bangalore for monitoring purpose.

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.

Not applicable to this project (No pending appeal)

52. Concealing the factual dataor 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.

Company submits only correct data and not concealed any factual data

We have complied all the conditions in general, any lapses are found, we abide the decision of authority.

53. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of may of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stimulate any further condition in the interest of environment protection.

The condition SI. No. 53 is agreed by us. MOEF conditions all are fulfilled.

54. The above conditions shall prevail not widstanding to the contrary, in consistent, or simplified, contained in any other permit, licenseion consent given by any other authority for the same project.

Company agreed to the conditions of SI. No. 54

55. This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.

The company noted the validity of the E.C. is for 5 yrs from the date of issue.

Our mines lease period is valid upto 3 Oct. 2030.

56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.

No pending litigation in respect of this project.

57. The mining operation shall be restricted to above ground water table and it should not interesect ground water table.

Mining operation shall be restricted to above ground water table/and will not interest the ground water table.

58. All vehicles used for transportation and within the mines shall have "PUC" certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area'

All vehicles used for transportation with in the mines are having "PUC" certificate obtained from the authorised pollution centre. Further, the vehicles used for transportation within the mines are having F.C., As directed by the authority the washing of the vehicle been done with in the mining lease area.

59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.

Prior permission will be obtained from the competent authority while drawl of requisite quantity of surface water and ground water for the project.

60. Regular monitoring of flow rates and water quality upstream and downstream 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.

There is no upstream or down stream of springs and perennial vallahs flowing in and around the mine leasehold area.

61. Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

Occupational health surveillance programme of the workers are under taken recently. As per physician opinion, the periodical check up of workers to be taken once in a year during the month of January/February of every year. The occupational Health survillance programme been conducted in all mining areas regarding the occupational Health Hazard such as to practice wet drilling to arrest dust at the source while drilling, usage of safety appliances and ear mufts to avoid (noise) and hearing impairment. To use goggle to protect the eyes and awarness created in the employees on the ill-effect of improper usage and educated them to use alternatives.

For United Granites and Metals

Authorised Signatory

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1. THE CHIEF CONSERVATOR REGIONAL OFFICE MOEF, GOVERNMENT OF INDIA KORAMANGALA

2. THE DIRECTOR

**BANGLAORE** 

**SEIAA** 

KERALA.

DAR SIR,

SUB: SUBMISSION OF COMPLIANCE REPORT FOR THE PERIOD OF 1-1-2019 TO 3-06-2019 IN RESPECT OF UNITED GRANITES AND METAL.

REFERENCE FILE NO:---1137/EC/SEIAA/KL/2017

WE HEREWITH ENCLOSED THE HALF YEARLY COMPLIANCE REPORT FOR THE PERIOD1-1-2019 TO 3-06-2019 IN BOTH HARD AND SOFT COPIES IN RESPECT OF M/S UNITED GRANITES AND METALS FOR YOUR KIND REFERENCE AND RECORD.

Yours faithfully

### UNITED GRANITES AND METALS VAZHITHALA - KERALA CORPORATE SOCIAL RESPONSIBILITIES OF THE COMPANY

The Company has undertaken CSR activities during the period 1-07-2019 to 31-12-2019 are Enumerated as below

#### A. ED

DUC	ATION PURPOSE	
1.	Company incurred for the school bus for the	
	Conveyance of students of ST. Sebestion	Rs301200
	Higher Secondary School, Vazhithala	
2.	St, Thomas Lower Pry School &	
	KOLADY School Maintenance work.	Rs.10000
3.	The Company had procured uniforms for the	1
	Students of Govt High School ARIKUZHA	Rs.59794
	as quested by the principal of the institution	
4.	An Account of procurement and	[
	Installation of SOLAR INVERTER for the	Rs.200000
	Benefit of Govt High School ARIKAZHA.	
5.	The Company undertaken the responsibility	
	of Interest and re-payment of the Bank Loan	Rs.20265
	in favour of Benny Mathew Education Loan.	

Rs.17000

Financial Help to 4 more Students for

education purpose

6.

(B) MEDICAL AID	1
Company rendered financial help to 11 people	
For the treatment of various disease	Rs.255000
(C) FINANCIAL HELP TO SOCIAL CAUSE	•
Assistance rendered to	
Mrs NALANI PONNAPPAN for the	
Construction of House in the	Rs.60460
Form of Material Supply	
Materials and other accessories supplied	
to Mr RAMESH for construction of house	Rs.45896
	1
Help / Assistance rendered to various	
BPL People for construction of house	Rs.59585
OTHER CSR	
1. Lion club (Social welfare work)	Rs.15793
2. Karimkunnam sixes club volley ball tournament	Rs.10000
3. Travancore Sports club sports	Rs. 50000
	D 400000

All the CSR activities expenses are done as per the company committee recommendation and request of concerned beneficiary. Payments are done by means of cheque payment and receipts are maintained properly in our CSR Ledger book. Sum of rupees 12.5 lakh has been spent in total towards medical, social and general cause of public.

Rs.100000

4. Vazihithala public library



കേരളം केरल KERALA

AH 637820

#### **AFFIDAVIT**

I. George Kochuparambil, aged 45 years, S/o Emmanuel K. George, residing at Kochuparambil House, Vengaloor kara, Vazhithala P.O, Pin 685583, Thanakkad Village, Thodupuzha Taluk, Idukki District do hereby affirm and confirm as follows:-

- 1. That, I, proposes to develop a Quarry Project in 12.29.87 Hectares of property in Manakkad Village. The said 12.29.87 hectares of property consist of 02.22.68 hectares in Survey No.354/4, 0.93.79 hectares in Survey No. 351/1Pt, 01.33.32 hectares in Survey No. 352/1Pt., 01.66.40 hectares in Survey No. 350, 01.62.00 hectares in Survey No. 354/5, 00.41.68 hectares in Survey No. 355/1Pt (355/1-2&355/1-4) and 04.10.00 hectares in Survey No.351/1Pt in Block No.11 of said Manakkadu Village, Manakkad Panchayat, Thodupuzha Taluk, Idukki District, Kerala.
- 2. That, all the conditions of environmental clearance will be complied in letter and spirit.
- 3. That, all the conditions of mining lease by Mining & Geology Department, Consents from Kerala State Pollution Control Board will be complied in letter and spirit.

GEORGE KOCHUPARAMBIL:

Contd.....2

3 AUG 2014



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AH 637819

-2-

That, all the guidelines of Director General of Mine Safety (DGMS) will be complied in letter and spirit.

#### GEORGE KOCHUPARAMBIL.

Verification

Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein.

Place: Thodupuzha Date: 06-01-2018.

GEORGE KOCHUPARAMBIL

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#### **AFFIDAVIT**

- I, George Kochuparambil, aged 45 years, S/o Emmanuel K. George, residing at Kochuparambil House, Vengaloor kara, Vazhithala P.O, Pin 685583, Manakkad Village, Thodupuzha Taluk, Idukki District do hereby affirm and confirm as follows:-
- 1. That, I, proposes to develop a Quarry Project in 12.29.87 Hectares of property in Manakkad Village. The said 12.29.87 hectares of property consist of 02.22.68 hectares in Survey No.354/4, 0.93.79 hectares in Survey No. 351/1Pt, 01.33.32 hectares in Survey No. 352/1Pt., 01.66.40 hectares in Survey No. 350, 01.62.00 hectares in Survey No. 354/5, 00.41.68 hectares in Survey No. 355/1Pt (355/1-2&355/1-4) and 04.10.00 hectares in Survey No.351/1Pt in Block No.11 of said Manakkadu Village, Manakkad Panchayat, Thodupuzha Taluk, Idukki District, Kerala.
- 2. That, all the conditions of environmental clearance will be complied in letter and spirit.
- That, all the conditions of mining lease by Mining & Geology Department, Consents from Kerala State Pollution Control Board will be complied in letter and spirit.

GEORGE KOCHUPARAMBIL:

Contd.....2

3 AUG 2014



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AH 637819

-2-

That, all the guidelines of Director General of Mine Safety (DGMS) will be complied in letter and spirit.

#### GEORGE KOCHUPARAMBIL.

Verification

Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein.

Place: Thodupuzha Date: 06-01-2018.

GEORGE KOCHUPARAMBIL

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00 8,2625 mondo C4) Arg 100/2014

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20/8/2014



#### Bharat Sarkar/Govt. of India Shram Ewam Rojgar Mantrlya Ministry of Labour & Employment



Khan Suraksha Maha Nideshalya

Directorate-General of Mines Safety

No. BGR/106(2)(b)/2013-14/8 43

Bengaluru, Dated, the 6/6/ 2013

From
Director of Mines Safety,
Bengaluru Region, Bengaluru,
#5, 17th Main, 100ft Road,
4th Block, Koramangala, Bengaluru – 560 034.

To Shri George Kochuparambil, Prop: Manakkad Granite Building Stone Mine of M/s United Granites, Vazhithala P.O., Todupuzha Taluk Idukki District, Kerala – 685 583.

Subject:

Permission under Reg.106(2)(b) of the MMR, 1961, to deploy HEMM without deep hole drilling and blasting at Manakkad Granite Building Stone Mine of M/s United Granites.

Dear Sir,

Please refer to your letter No. . UGM-013-2012-2013 dated 05.01.2013 on the above subject.

The matter has since been examined in the light of what has been stated in your application. In exercise of the powers conferred on the Chief Inspector of Mines under the provisions of clause (2)(b) of Regulation 106 of the Metalliferous Mines Regulations, 1961 and by virtue of the authorization granted to me by the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Section 6(1) of the Mines Act, 1952, I hereby grant permission under Regulation 106(2)(b) of the Metalliferous Mines Regulations,1961 to work by deploying Heavy Earth Moving Machinery to form benches in overburden & ore body at Manakkad Granite Building Stone Mine of M/s United Granites, subject to the conditions enumerated in the enclosed **APPENDIX - MMR/106** being strictly complied with.

- 1. The mine shall be worked only in one shift during the day time i.e. from 9.00 am to 5.00 pm
- 2. No deep-hole drilling and blasting shall be conducted.
- 3. Mineral shall be extracted only from the lease hold area. The old workings shall be kept securely fenced.
- 4. Each working pit shall be placed under constant personal supervision of a Mine Mate as required under Regulation 116(1) of the MMR, 1961.
- 5. This permission is being granted under Regulation 106(2)(b) of the Metalliferous Mines Regulations only, without prejudice to any other statutory requirements, which may be or may become applicable at any time.
- 6. If any permanent building or structure of permanent nature not belonging to the owner exists within danger zone the provisions of regulation no. 164(1-B)(a) shall be complied with.
- If at any time any one of the conditions subject to which this permission has been granted is violated or not complied with, this permission shall be deemed to have been revoked with immediate effect
- 8. It may be amended, modified or withdrawn at any time should it be considered necessary in the interest of safety.

This Directorate shall be informed as soon as mining operations are commenced in accordance
with the above permission. Intimation about completion of mining operation should also be sent
promptly and in any case not later than one month thereof.

In the event of any change in the circumstances connected with this permission which is likely to endanger the life of persons employed in the mine or the mine, the mining operations for which this permission has been granted, shall be stopped forthwith and intimation thereof shall be sent to the undersigned. The said mining operations shall not be resumed without express and a fresh written permission from this Directorate

Kindly acknowledge the receipt of the letter.

Yours\faithfully,

Director of Mines Safety Bengaluru Region (SZ)

Encl: Appendix -MMR 106.



### POLUCHEM LABORATORIES (P) LTD.

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#### **TEST REPORT**

Page 01 of 01

Client Name & Address	Certificate No	PL/AMB/RT/8225/2019
6	Date of issue	16/09/2019
	Dete of monitoring	00/03/2010 12:00 this to 10/00/2010 12:00 /
	Date of sample received	11/09/2019
Mr. George Kochuparabil	Date of analysis started	11/09/2019
Kochuparambil(H) Vazhathala(P.O) Thodupuzha Idukki,Kerala	Monitoring location	Quarry Owned by Mr. George Kochuparambil Survey No.s: 354/4,354/5,355/1pt, 351/1pt,350.352/1pt Village: Manakkad Taluk: Thodupuzha District: Idukki, Kerala.
	Sample description	Ambient air – Near east side boundary
	Sample code given by the client	Nil

PARAMETERS	TEST METHOD	RESULT	Limit as per NAAQS
Particulate Matter (PM <sub>10</sub> )	IS 5182 Part 23 2006RA2012	47.7 μg/m³	100 μg/m <sup>3</sup>
Particulate Matter (PM <sub>2.5</sub> )	CPCB	$23.4~\mu g/m^3$	60 μg/m <sup>3</sup>
Sulphur dioxide	IS 5182 Part 2 2001 RA 2017	6.0 μg/m³	80 μg/m <sup>3</sup>
Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	4.8 μg/m <sup>3</sup>	80 μg/m <sup>3</sup>

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 OUALITY MANAGER POLICUSTA LABORATORIES (P) LTD.



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#### **TEST REPORT**

Page 01 of 01

Client Name & Address	Certificate No:	PL/RT/SD	0/8226/2019
	Date of issue:	16/09/20	)19
Mr. George Kochuparabil	Date of monitoring	09/09/20	019 12.00 Hrs to 10/09/2019 12.00 Hrs
Kochuparambil(H) Vazhathala(P.O) Thodupuzha Idukki,Kerala	Monitoring Location	Quarry Owned by Mr. GeorgeKochupara Survey No.s: 354/4,354/5,355/1pt, 351/1pt,350,352/1pt Village: Manakkad Taluk: Thodupuzha District: Idukki, Kerala	
	Sample Description	Ambient S	ound Level (Log)
Monitoring Location	Monitoring T	ime	Results
	12.00 Hrs		49.6 dB (A)
	13.00 Hrs		49.2 dB (A)
	14.00 Hrs		48.8 dB (A)
	15.00 Hrs		48.3 dB (A)
	16.00 Hrs		47.5 dB (A)
	17.00 Hrs		47.9 dB (A)
	18.00 Hrs		46.4 dB (A)
	19.00 Hrs		44.6 dB (A)
Ä	20.00 Hrs		42.4 dB (A)
	21.00 Hrs		39.8 dB (A)
	22.00 Hrs		38.3 dB (A)
Near East side boundary	23.00 Hrs	17/W	37.1 dB (A)
real East side boundary	00.00 Hrs		36.1 dB (A)
	01.00 Hrs		35.8 dB (A)
	02.00 Hrs		34.7 dB (A)
	03.00 Hrs		33.2 dB (A)
)	04.00 Hrs		35.3 dB (A)
	05.00 Hrs		38.7 dB (A)
	06.00 Hrs		42.4 dB (A)
	07.00 Hrs		41.4 dB (A)
	08.00 Hrs		42.2 dB (A)
	09.00 Hrs		43.5 dB (A)
	10.00 Hrs		45.7 dB (A)
	11.00 Hrs		47.4 dB (A)
Leq (Day time)			38.4 dB (A)
Leq (Night time)			34.6 dB (A)

\*End of the Report \*

For Poluchem Laboratories (P) Ltd.

Authorized Signatory

SREEJA RAMECH
OUALITY MANAGER
POLUCHEM LABORATORO S (P) LID.



POLUCHEM LABORATORIES (P) LTD

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#### **TEST REPORT**

Page 01 of 02

Ref.No. PL/RT/OW/8227/2019

Name & address of customer

Date of Issue: 16/09/2019

: Mr.George Kochuparabil

Kochuparambil(H)

Vazhathala P.O.

Thodupuzha

Idukki

Project Site

.Sample description

: Quarry Owned By: Mr.George Kochuparabil

Sy.No.s: 354/4,354/5,355/1pt,351/1pt,350,352/1pt

Village:Manakkad Taluk: Thodupuzha District: Idukki, Kerala.

District. Idukk

: Water Sample

: Openwell Water - West Side

Location of sampling : Openwell W
Date of sample collected : 10/09/2019
Date of analysis started : 11/09/2019
Date of completion of analysis : 14/09/2019

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012	
Color	IS 3025 (P) 04 – 1983 RA2017	4 Hazen Unit	5 Hazen Unit	
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable	
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU	
рН	IS 3025 (P) 11 – 1983 RA 2017	6.58	6.5 - 8.5	
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	52 mg/l	500 mg/l	
Total Hardness as CaCO <sub>3</sub>	IS 3025 (P) 21 – 1983 RA2014	11.6 mg/l	200 mg/l	
Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (P) 23 – 1986 RA2014	9.5 mg/l	200 mg/l	
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l	
Chloride as Cl	IS 3025 (P) 32 – 1988 RA2014	10.5 mg/l	250 mg/l	
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	3.66 mg/l	75 mg/l	
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	1.34 mg/l	30 mg/l	
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.06 mg/l	0.3 mg/l	
Sulphate as SO <sub>4</sub>	IS 3025 (P) 24 – 1986 RA2009	2.33 mg/l	200 mg/l	
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l	

Note: BDL - Below Detection Level

For Poluchem Laboratories (P) Ltd.

Authorized signatory

SREEJA RAMESH
OUALITY MANGER
POLUCHEM 17 - 3 - RIES (P) LTD.



N. KALAMASSERY P. O., ERNAKULIM - 683104

Page 02 of 02

Continuation of Test Certificate No: 8227/2019

Parameters tested	Test method	Results	Acceptable Limits As per 1S-10500-2012
Selenium as Se	IS 3025 (P)56 -2003 RA2014	BDL .	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988 RA2014	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42-1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59-2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41–1992 RA2014	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 – 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	5 mg/I
Mercury as Hg	IS 3025(P) 48 – 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27-1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47-1994 RA2014	BDL	0.01 mg/l
Aluminum as Al	IS 3025(P) 55-2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57– 2005 RA2017	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 RA 2009	Absent	Absent
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Absent

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH QUALITY MANAGER POLUCHEM LABORATORIES (P) LTD.

Authoriz signatory .

\* End of the report\*

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



Ref.No. PL/RT/SW/8228/2019

Name & address of customer

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#### **TEST REPORT**

Page 01 of 02

0

Date of Issue: 16/09/2019

: Mr.George

Kochuparambil(H) Vazhathala P.O.

Thodupuzha

Idukki

Project Site

Sample drawn by

Sample description

Location of sampling

Date of sample collected

: Quarry Owned By: Mr.George

Sy.No.s: 354/4,354/5,355/1pt,351/1pt,350,352/1pt

Village:Manakkad
Taluk: Thodupuzha
District: Idukki Kara

District: Idukki, Kerala.

: Poluchem Laboratory Sample Collector

: Water Sample : Surface Water : 10/09/2019 : 11/09/2019

: 14/09/2019

Date of analysis started
Date of completion of analysis

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	8 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	2 NTU	1 NTU
pH Tetal Dividing Ministra	IS 3025 (P) 11 – 1983 RA 2017	6.70	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	88.5 mg/l	500 mg/l
Total Hardness as CaCO <sub>3</sub>	IS 3025 (P) 21 – 1983 RA2014	21.7mg/l	200 mg/l
Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (P) 23 – 1986 RA2014	17.5 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl	IS 3025 (P) 32 – 1988 RA2014	22.5 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	5.20 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	2.15 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.44 mg/l	0.3 mg/l
Sulphate as SO <sub>4</sub> Fluoride as F	IS 3025 (P) 24 – 1986 RA2009	8.45 mg/l	200 mg/l
ote: BDL - Relow Detection	IS 3025 (P) 60 -2008 RA 2013	BDL.	1.0 mg/l

Note: BDL - Below Detection Level

For Poluchem Laboratories (P) Ltd.

SREEJA FAMESH OUALITY M...NAGER

POLUCHEM LABORATORIES (P) LTD. Authoriz

Authorized signatory



POLUCHEM LABORATORIES (F

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORAT PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

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Page 02 of 02

Continuation of Test	Certificate No:8228/20	19	1 age 02 01
Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P)56 -2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37–1988 RA2014	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42- 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59-2006 RA2017	BDL	0.05 mg/1
Cadmium as Cd	IS 3025(P) 41– 1992 RA2014	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 – 2003 RA2014	BDL	
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	0.05 mg/l 5 mg/l
Mercury as Hg	IS 3025(P) 48 – 1994 RA2014	BDL	
Cyanide as CN	IS 3025(P)27-1986 RA2014	BDL	0.001 mg/l
Lead as Pb	IS 3025(P) 47– 1994 RA2014	BDL	0.05 mg/l
Aluminum as Al	IS 3025(P) 55–2003 RA2014	BDL	0.01 mg/l
Boron as B	IS 3025(P) 57-2005 RA2017		0.03 mg/l
DDY DI	7. 1	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	50	Absent
E coli	Present or Absent/100ml	IS 1622: 1981	Absent	Absent

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH QUALITY E ANDGER

POLUCHEM LABORATORIES (Authorized signal

\* End of the report\*

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FILE NO: PCB/RO-EKM/IDK/OL-845/18

Date of issue: 16/07/2018



#### KERALA STATE POLLUTION CONTROL BOARD

#### **CONSENT TO**

#### OPERATE/AUTHORISATION/REGISTRATION

#### ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974
The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. :7515269

Dated:28-06-2018

TO

M/s SRI.GEORGE KOCHUPARAMBIL,QUARRY OF UNITED GRANITES & METALS GEORGE KOCHUPARAMBIL VAZHITHALA P O THODUPUZHA

Consent No.:018IDKCTOA7515269

Valid Upto :15/07/2023

#### 1. GENERAL

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

	VALIDITY	15/07/2023
2	Name and Address of the establishment	SRI.GEORGE KOCHUPARAMBIL,QUARRY OF UNITED GRANITES & METALS VAZHITHALA P O THODUPUZHA 685583
3	Communication	Telephone:91-9995878898 Fax:- E-mail:unitedgranitesandmetals@gmail.com
4	Occupier Details	GEORGE KOCHUPARAMBIL KOCHUPARAMBIL(H) MANAKKAD VAZHITHALA
	r -1 De de	MANAKADU PNCHAYATH
5	Local Body	351/1 pt,354/4,354/5,355/1pt,352/1pt,350
6	Survey Number	MANAKKAD
7	Village	THODUPUZHA
8	Taluk	IDUKKI
9	District (Paris Lately)	1200
10	Capital Investment(Rs in Lakhs)	Large
11	Scale	RED
12	Category	Rs. 81000
13	Annual fee(Rs)	8
	Total Fee remitted(Rs)	Rs. 405000/-
14	RAW MATERIAL	PRODUCTS
14	ROCK/Y @400000 Metric Tonnes	STONE AGGREGATES/Y @400000 Metric Tonnes
15	Total Power Required (HP)	

### CONDITIONS AS PER

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

- In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made 2.1 along with.
- Water consumption: 2.2
- Effluent generation: 2.3
- The characteristics of effluent after treatment shall confirm to the following tolerance limits: 2.4

	124 / 1-0-0	Unit	Tolerance Limit	
I.NO.	Characteristics	Ont	Sewage	Trade Effluent

.5	Mode of disposal of t	reated effluent:			
	ONDITIONS AS PER				
Th	e Air(Prevention and C	control of Pollution	Act, 1981		
1	Adequate air pollutio industry. Additional also be made along w	facilities required, if a	all be operation ny, to achieve	nal at all times du the standards laid	ring the functioning of the down by the Board shall
tack	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Heig	nt above	Control Equipment
			Ground Level	Roof Level	
.2	Emission characteris	tics shall not exceed the	ne following:		***
I.No.				y	Standards (mg/Nm3)
. C	ONDITIONS AS PER ne Environment (Protec	industry shall be stric	tly in compliar	25	
. C	The operation of the (Regulation and Con Used lead acid batter 2001	industry shall be stric trol) Rules 2000. ries shall be disposed o	of as per the B	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
. C Th	The operation of the (Regulation and Con Used lead acid batter 2001	ition) Act, 1986. industry shall be stric itrol) Rules 2000.	of as per the B	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
.1 .2	The operation of the (Regulation and Con- Used lead acid batter 2001 Hazardous waste ger (Management and T	industry shall be strictor) Rules 2000. ries shall be disposed onerated, if any, shall be	of as per the Book of as per the Book of as per the Book of the Bo	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
. C Th	The operation of the (Regulation and Con- Used lead acid batter 2001 Hazardous waste ger (Management and T Activities for which	industry shall be stricted in the stricted in	of as per the Book of as per the Book of as per the Book of the Bo	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
. C Th 1 2 3 3	The operation of the (Regulation and Con Used lead acid batte 2001  Hazardous waste ger (Management and T Activities for which	industry shall be stricted in the stricted in	of as per the Been thandled as pent) Rules, 201	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
. C Th 4.2 4.3 4.3.1 Collect	The operation of the (Regulation and Con- Used lead acid batter 2001 Hazardous waste ger (Management and T Activities for which	industry shall be stricted in the stricted in	of as per the Base handled as pent) Rules, 201 ed transport Storage	nce with the provi	isions of the Noise Pollution ment and Handling) Rules, •
. C Th	The operation of the (Regulation and Con Used lead acid batte 2001  Hazardous waste ger (Management and T Activities for which etion	industry shall be stricted in the stricted in the stricted in the stricted in the shall be disposed one shall be disposed of the shall be disposed in the shall be stricted in the shall be disposed	e handled as peent) Rules, 201 ed transport Storage Reprocess	ace with the provi atteries (Manager or the Hazardous 6.	isions of the Noise Pollution ment and Handling) Rules, •
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#### 5. SPECIFIC CONDITIONS

5.1. This consent, unless withdrawn earlier is valid up to the validity of permit/lease issued by the Department of Mining and Geology or 15.07.2023. In case of operation of the quarry is to be continued

thereafter, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System on or before 16.04.2023. Late application will be accepted with a fine or late fee as applicable.

- 5.2 This consent is granted for operating quarry with production capacity of 200MT/day granite boulders.
- 5.3 The consent issued from the board is only with respect to the powers vested under the water Act 1974 Air Act 1981 and the Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned Authorities.
- 5.4 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.
- 5.5 A minimum distance of at least 50m shall be kept from the boundary of quarry area to residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.
- 5.6 All control measures provided should be maintained properly to ensure that the system is adequate to control the pollution caused.
- 5.7 The quarry should not be operated between 6.00 pm and 6.00am.
- 5.8 Necessary permission from Mining & Geology, Explosive Department may be obtained before doing blasting.
- 5.9 After excavation at the site is completed the land may be used for rain water harvesting with protective barriers/any other suitable approved purpose or may be reclaimed.
- 5.10 The depth of excavation below the highest point shall not exceed 6m.
- 5.11 Fencing shall be provided around the boundary of quarry operation and shall be maintained properly.
- 5.12 The PM10 in ambient air at the boundary shall not exceed 100  $\mu g/m^3$ .
- 5.13 The PM2.5 in ambient air at the boundary shall not exceed 60  $\mu g/m^3$ .
- 5.14 The sound level (Leq) at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas.
- 5.15 The consent issued from the Board shall be valid only for a period when all other statutory or necessary clearance from other concerned authorities are valid.
- 5.16 No other machineries shall be operated without prior Consent of the Board.

- 5.17 The validity of this Consent is subject to subsequent Government Orders & directions/judgement of Honourable High Court and National Green Tribunal.
- 5.18 The location of the quarry unit shall be as shown in the drawing attached and no change, deviation or alteration that may affect the environment, extend and location of the quarry shall be made.
- 5.19 Fugitive emission from the premises shall be supressed.
- 5.20 Products shall be transported with proper cover and/ or after wetting to prevent spreading of dust.
- 5.21 All the conditions stipulated in the Environmental clearance No.56/2018 shall be fully complied with during operation of the quarry.
- 5.22 For renewal of the consent in case of continuance of operation of the quarry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 3 months prior to the date of expiry. Late application will be accepted only with fine.

BAIJU M A

Digitally signed by BAIJU M A Date: 2018.07.18 12:08:10 +05'30' SIGNATURE & SEAL OF ISSUING AUTHORITY

DATE:16/07/2018



To

SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS VAZHITHALA P O THODUPUZHA

Copy to:

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

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BAJUMA
Digitally signed by BAJUMA
Date: 2018.07.18 12:05:22 +05'30'
CHIEF ENVIRONMENTAL ENGINEER

and MOS க்கு பாகப்பட்ட கள்ளார். அவர் கார் முறிய வரும் முறிய வரும் முறிய வரும் முறிய முறிய முறிய முறிய முறிய மு கூறு கையுள்ளுள்ளுள்ளும் இது காருக்கும் முறிய முறிய



### KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/RO-EKM/IDK/OL-845/18

Date of issue :2018-10-17

### CONSENT VARIATION ORDER

Consent No: O18IDKCVO8831136

Ref: 1. Consent No.018IDKCTOA7515269 dated 16/07/2018 valid Up to 15/07/2023

2. Consent Variation Order No:O18LDKCVO 3454273 Dated:4.9.2018

The 'Integrated Consent to Operate' issued as per reference above to M/s SRI.GEORGE KOCHUPARAMBIL, OUARRY OF UNITED GRANITES & METALS,

VAZHITHALA P O,THODUPUZHA is hereby modified & issued to M/s SRI.GEORGE KOCHUPARAMDIL, QUARRY OF UNITED GRANITES & METALS,

VAZHITHALA P O,THODUPUZHA The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/additions.

### L GENERAL

S.No.	Items	Description
1	Survey No	Re Survey Nos.351/1pt,354/4,354/5,355/1pt,352/1pt,350
2	Total Power Required (HP)	444 HP

### II. CONDITIONS

2.1.Condition no.5.2 is modified as: This consent is granted for operating quarry with a production capacity of 1500 T/day granite boulders.

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

BAIJU M A

Digitally signed by BAIJU M A Date: 2018.10.17 12:39:25 +05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY

CHIEF ENVIRONMENTAL ENGINEER

DATE:17/10/2018



### To SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS, VAZHITHALA P O, THODUPUZHA

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



भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसी) | Petroleum & Explosives Safety Organisation (PESO) पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives केन्द्रीय भेवन, ब्लाक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor CSEZ पी.ओ. कक्कानाङ सी-ची | CSEZ PO Kakkanad Dist. Ernakulam 682037 फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

ई-मेल | Email: dycceemakulam@explosives.gov.in

संख्या | No: A/SC/KL/P3/14(A2264)

दिनांक | Dated : 26/06/2019

सेवा में | To,

GEORGE KOCHUPARAMBIL, Prop. M/s United Granites and Metal, S.No.357/3, Block No.11, Manakkadu Village, Thodupuzha Tk., Town/Village - Thodupuzha Distt. IDUKKI, State. Kerala, Pincode-685588

विषय | Subject:

Survey No. : 357/3, Block No.11 , नगर/गांव : Manakkadu, जिला : IDUKKI, राज्य : Kerala में स्थित विस्फोटक विनिर्माण इकाई (एएनएफओ) से जुड़े गोदाम से, अमोनियम नाईट्रेट के उपयोग के लिए, रखने हेत् अनुराप्ति अमोनियम नाइटेट नियम, 2012 के फार्म P-3 में जारी अनुमन्ति संख्या : A/SC/KL/P3/14(A2264) - पृष्ठांकन के संबंध में ।

Licence to possess for use of Ammonium Nitrate from a store house attached to explosives manufacturing unit (ANFO) situated at Survey No.: 357/3, Block No.11, Village/Town. Manakkadu, Distt. IDUKKI, State Kerala Licence No.: A/SC/KL/P3/14(A2264) granted in Form P-3 of Ammonium Nitrate, 2012 - Endorsement regarding

श्रीमान | Sir(s),

संयुक्त मुख्य विस्फोटक नियंत्रक , दक्षिणांचल, चेन्नै के जापन संखा : A/SC/KL/P3/14(A2264) दिनांक: 18/04/2019 तथा विषयक परिसर का दिनांक: 27/04/2019 को इस कार्यालय के अधिकारी द्वारा किए गए निरीक्षण के संदर्भ में ।

Reference memo No.: A/SC/KL/P3/14(A2264) Dated 18/04/2019 from Joint Chief Controller of Explosives, South Circle, Chennai and inspection of the subject premises by an officer of this organization on 27/04/2019.

अमोनियम नाइट्रेट नियम, 2012 के नियम 35(3) के अंतर्गत विधिवत पृष्ठांकित दिनांक: 31st मार्च 2022 तक वैध, विषयक अनुजप्ति संख्या: A/SC/KL/P3/14(A2264) अग्रेषित की जा रही है ।

The subject licence No. A/SC/KL/P3/14(A2264) valid upto 31st March 2022 duly endorsed as required under Rule 35(3) of the Ammonium Nitrate 2012 is forwarded herewith.

अन्जप्ति के पुनःनवीकरण हेतु निम्नलिखित दस्तावेओं को दिनांक: 31/03/2022 से पूर्व इस कार्यालय में जमा कर दें। For further renewal of licence, please submit following documents so as to reach this office on or before 31/03/2022.

- आर-1 में विधिवत् भरा और हस्ताक्षरित आवेदन ।
- Application in Form R-1 duly filled in and signed.
- किसी भी राष्ट्रीयकृत बैंक पर आहरित संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्नई के पक्ष में चेन्नई में देय, एक से पांच वर्ष के लिए अन्जिप्ति फीस के रूप में डिमांड ड्राफ्ट।
- Licence fees for one to five years in the form of demand draft drawn on any Nationalized Bank in favour of Jt. Chief Controller of Explosives, Chennai payable at Chennai.
- मूल अन्जिप्ति।
- Original licence.
- इस संबंध में विस्फोटक नियम, 2012 का नियम 36 का भी संदर्भ ग्रहण करें ।
- In this connection, please also refer to Rule 36 of Ammonium Nitrate, 2012.

भवदीय | Yours faithfully,

(आर.वेणुगोपाल) | (Dr. R.Venugopal) Deputy Chief Controller of Explosives | उप मुख्य विस्फोटक नियन्नक

कोच्ची | Ernakulam डप मुख्य विस्फोटक नियंत्र**क** Deputy Chief Controller of Explosives एरणाकुलम Ernakulam

### प्रतिलिपि अग्रेषित | Copy Forwarded to:

1 District Magistrate, IDUKKI, Kerala with reference to his Noc No: E2.50676/12/K.Dis Dated: 30/11/2013 2) पुलिस अधीक्षक, IDUKKI, Kerala Superintendent of Police, IDUKKI, Kerala

अनुमोदित प्लान और अन्य संलग्नकों के साथ अनुज्ञप्ति की प्रति उनके कार्यालय रिकार्ड के लिए अग्रेषित की जा रही है । A copy of licence along with approved plan and other enclosures are forwarded for his office record.

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

[अधिक जानकारी जैसे आवेदन की स्थिति, शुक्क तथा अन्य विवरण के लिए हमारी वैवसाइट http://peso.gov.in देखें । For more information regarding status, fees and other details, please visit our web site http://peso.gov.in

अनुज्ञित प्ररूप P-3 (अमोनियम नाइट्रेट नियम, 2012 की अनुसूची । की क्रम संख्या-3 और नियम 35 देखें )

LICENCE FORM P-3

(See Sr. No.-3 of Schedule I and rule 354 मुख्य विस्फोर्ट of Ammonium Nitrate Rules, 2012 Deputy Chief Controller of Explosives

विस्फोटक विनिर्माण इकाई (एएनएफओ) से जुड़े गोदाम से, अमोनियम नाईट्रेट् के उपयोग के लिए, रखने हेतु अनुजन्ति Licence to possess for use of Ammonium Nitrate from a store house attached to explosives manufacturing unit (ANFO

अनुज्ञप्ती संख्या | Licence No. : A/SC/KL/P3/14(A2264) वार्षिक अनुज्ञप्ती शुल्क | Annual licence Fee Rs: 1000/-

अन्ज्ञप्ति एतद्वारा जारी की जाती है : Licence is hereby granted to:

GEORGE KOCHUPARAMBIL, Prop. M/s United Granites and Metal (अधिष्ठाती GEORGE KOCHUPARAMBIL.)
S.No.357/3, Block No.11, Manakkadu Village, Thodupuzha Tk., , रहिर् । याँच - Thodupuzha

जिला- IDUKKI , राज्य- Kerala , पिन कोड - 685588 Phone - , Email- , फैक्स-

अनुजिन्स्यारी का स्तर Individual Status of licence holder: Individual

अनुजिप्त केवल निम्निसिंवत प्रयोजन हेतु वैध है :विस्फोटक विनिर्माण इकाई (एएनएफओ) से जुड़े गोदाम से, अमोनियम नाईट्ट के उपयोग के लिए, रखने हेतु अनुजिप्त Licence is valid only for the following purpose: Licence to possess for use of Ammonium Nitrate from a store house attached to explosives manufacturing unit (ANFO) अनुमस्ति अमोनियम नाइट्रेट की निम्नेलिखित मात्र के लिए वैप हैं :

Licence is valid for the following quantity of Ammonium Nitrate:

नाम तथा विवरण Name and Description	किसी एक समय में मात्रा (कि.ग्रा.) Quantity at a time (Kg.)	किसी एक वित्तीय वर्ष में क्य की जाने वाली अमोनियम नाइट्रेट की मात्रा(कि.ग्रा.) Quantity of Ammonium Nitrate to be purchased in a financial Year (Kg.)
Ammonium Nitrate (Solid)	35000	420000
Ammonium Nitrate (Solid)		

अनुज्ञप्त परिसर निम्नलिखित आरेखण(णॉ) के अनुरूप होगा The licensed premises shall conform to the following drawing(s):

आरेखण संख्या | Drawing No : A/SC/KL/P3/14 ( A2264 ) दिनांक | Dated : 09/11/2017

अनुज्ञप्त परिसर निम्नलिखित पते पर स्थित है The Licensed premises are situated at following address:

Survey No. 357/3, Block No.11 , शहर | गांव | Town | Village : Manakkadu

पुलिस स्टेशन | Police Station : Thodupuzha - जिला | District : IDUKKIराज्य | State : Kerala फैक्स | Fax :

पिन कोड | PinCode : 685588फोन | Phone :ईगेल | E-Mail :

अनुज्ञप्त परिसर में निम्नलिखित सुविधाएँ उपलब्ध हैं The licensed premises consist of following facilities:

अनुमदित, समय-समय पर यथा संशोधित विस्फोटक अधिनियम 1884, एवं उसके अधीन बनाए गए अमोनियम नाइट्रेट नियम, 2012 की शर्त, अतिरिक्त शर्ते तथा निम्नलिखित उपबन्धों के अधीन जारी की

जाता ह (i)उक्त क्रम संख्या 5 में उल्लिखित आरेखण (जिसमें स्थल, निर्माण एवं अन्य विवरण दर्शाए गए हैं) । (ii)अनुजम्ति जारी करने वाले प्राधिकारी द्वारा हस्ताद्यारित अनुजम्ति की शर्ते एवं अतिरिक्त शर्ते ।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Ammonium Nitrate Rules, 2012 framed there under and the conditions, additional conditions and

Annexures.

(i) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

(ii) Conditions and Additional Conditions of this licence signed by the license issuing authority.

8. यह अनुज़प्ति 31 मार्च 2022 तक वैध रहेगी । This licence shall remain valid till 31st day of March 2022

यह अनुजप्ति विस्फोटक अधिनियम, 1884 या उसके अधीन बनाए गए अमोनियम नाइट्रेट नियम, 2012 या इस अनुजप्ति की किसी शर्ती का उल्लंधन करने पर या यदि अनुजप्त परिसर, आरेखण और उससे संलग्न उपाबद्ध में दक्षित विवरण के अनुरूप नहीं पाए जाने पर निलम्बित या प्रतिसंहत की जा सकती है ।

This licence is liable to be suspended or revoked for any violation of the Explosives Act 1884 or Ammonium Nitrate Rules, 2012 framed there under or the conditions of this license, if the licensed premises are not found conforming to the description shown in the plans and annexure attached hereto.

दिनांक 1 Date: 09/11/2017

अन्ज्ञिप्त नवीकरण के लिए पृष्ठांकनः Endorsement for renewal of licence

> नवीकरण की तारीख Date of Renewal

समाप्ति की तारीख Date of Expiry

अनुजापन प्राधिकारी के हस्ताक्षर Signature of licensing authority

साविधिक चेतावनी: अमोनियम नाइट्रेट कानून का दुरुपयोग कानूनी तौर पर गंभीर दण्डनीय अपराध है । Statutory Warning: Misuse of Ammonium Nitrate shall constitute serious criminal offence under the law.

South Circle, Chennai



भारत सरकार | Government of India

वाणिज्य और उदयोग मंत्रालय Ministry of Commerce & Industry

पेटोलियम तथा विस्फोटक सुरक्षा संगठन (पेसी) | 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.कक्कालाङ् कोच्ची CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037

फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276 ई-मेल Email: dycccernakulam@explosives.gov.in

संख्या (No : E/SC/KL/22/811(E38112)

दिनांक (Date): 05/05/2015

सेवा में | To,

Shri George Kochuparambil,

M.y.Cnned Granites & Metal Vazhithala P.O. Idukki Kerala . Town Village -

District-IDUKKI State-Kerala, Pincode -

विषय:

Survey No(s).519/1-13. ग्राम Manakkadu, Thodupuzha. जिला IDUKKI, राज्य Kerala में विरूफोटक के मैगजीन में उपयोग के लिए कब्ला हेत् विस्फोटकं नियम, 2008 के अंतर्गत LE-3 में जारी अनूजप्ति सं E/SC/KL/22/811(E38112) के नवीनीकरण संदर्भ में।

Subject.

Possession for Use of of Explosives from magazine situated at Survey No(s).:519/1-13, Manakkadu, Thodupuzha, Dist. IDUKKI, Kerala -1 icence No., E/SC/KL/22/811(E38112) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय Sir.

मुपका उपयुक्त विषय पूर पत्र संख्या E/SC/K1/22/811(E38112) दिलांक 19/01/2015 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप 1.1--3 में जारी ानुअप्ति दिनाक 31/3/2020 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है। Reference to your letter No. E/SC/KL/22/811(E38112) dated: 19/01/2015, the subject licence duly renewed upto 31/3/2020 and issued in Form LE-3 of

Explosives Rules, 2008 is forwarded herewith.

Conditions:

1)VALID AUTHORISED QUARRY PERMIT IN THE NAME OF THE LICENSEE FOR BLASTING OPERATIONS AT S.NO.354/5 Part of Block No.11 (Old Sy.No.519/1-13), MANAKKADU VILLAGE, THODUPUZHA TALUK, IDUKKI DIST. AND LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL AS APPLICABLE RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.

अनुज़िंदि के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/ 2020 से पहले इस कार्यालय को भैजे जाएं For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2020.

 प्ररूप आरई-। में विधिवत पूर्ण एवं हस्ताक्षरित आवेदन। Application in Form RF-1 duly filled in and signed.

एक से पाँच वर्ष के अन्त्रप्ति शुल्क का बैंक ड्राफ्ट। बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक के नाम आहरित, संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्नई के पक्ष में चेन्नई में देय हों ! Licence fees for one to five years in the form of demand draft drawn on any Nationalized Bank in layour of Jt. Chief Controller of Explosives, Chennai payable at Chennai

अनमोदित प्लान के साथ मूल अन्त्रप्ति। Original licence with approved plan

कृपया इस संबंध में विस्फोटक नियम. 2008 के नियम 112 का भी संदर्भ ग्रहण करें।

In this connection, please also refer to Rule 112 of Explosives Rules, 2008.

विस्फोटकों के क्रय हेत् आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजी जाएं आतिशबाजी गांदाग के लिए लाग् नहीं )। Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office. Not applicable for fireworks store house)

• कृपया विस्फोटकों की त्रैनासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तृत की जाएं । विवरणी इस कार्यातय के कार्यातय में आवामी तिमाही के 10 तारीख से पहले पहंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं )। Please submit quarterly returns of explosives in RF-7 at the end of

every quarter so as to reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house) सभी ब्लास्टिंग आपरेशन एक सक्षम द्वारा की जाएगी जो उपरोक्त नियमों के तहत एक वैध शॉट फायर प्रमाणपत्र धारक हो। हालांकि खान अधिनियम

1952 के अधीन आने वाले खानों में ब्लास्टिंग आपरेशन करने वाले ब्लास्टर की योग्यता उसी अधिनियम से निर्धारित हो। All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the

रुपए 500/- की राशि आपके खाते में शेष हैं जिसे भविष्य में संदर्भ उद्धृत कर नवीकरण इ. के लिए उपयोग किया जा सकता है । An amount of Rs. 500/- balance is in your credit, which may be utilized for future transaction by quoting this reference

> भवदीय L'our's faithfully

(टी.ओ.श्ली T O Sasi)

3प मख्य विस्फोटक नियंत्रक Deputy Chief Controller of Expiosives

Hernakulam 17-15-14

प्रतिलिपि प्रेषित Copy Forwarded to.

जिला मंजिरट्रेट (District Magistrate), IDUKKI (Kerala)- सूचमा के लिए (for information), C. E., Ernakulam

उप मुख्य विस्फोटक नियंत्रक Deputy Chief Controller of Explosives कोच्ची Emakulam

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क आदि के लिए हमारी वेबसाइट http://pcso.gov in देखे.)

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

अनूजप्ति सं. (Licence No.) : E/SC/KL/22/811(E38112) वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

Shri George Kochuparambil (अधिभोनी / Occupier : Shri George Kochuparambil), M/s.United Granites & Metal, Vazhithala P.O. Idukki Kerala, Town/Village - District-IDUKKI, State-Kerala, Pincode -

को अन्जप्ति अन्दत्त की जाती है।

अन्जप्तिधारी की प्रास्थिति | Status of licensee : Individual

अन्जिप्ति निम्नितिखित प्रयोजनों के लिए विधिमान्य है। Licence is valid only for the following purpose.

अन् गप्ति विस्फोटकों के निम्निलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।

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

<b>a</b>	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.
	Safety Fuse	6,1	0	1500 Mtrs
	Detenators	6.3	0	5000 Nos.
3. 4.	Electric Detonators	6,3	0	1000 Nos.

(ख) किसी एक कलैंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञित के लिए] (b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)]:

20 times as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अन्जप्त परिसर की पुष्टि होती है। The licensed premises shall conform to the following drawing(s):

ं दिनांक (Dated) 05/05/2004 अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:

Survey No(s). 519/1-13 , ग्राम (Town/Village) : Manakkadu, Thodupuzha

जिला (District) द्रभाष (Phone) IDUKKI

राज्य (State) ई, मेल (E-Mail) Kerala

possess for use of Nitrate Mixture. Safety Fuse,

Detonators, - के उपयोग के लिए

पलिस थाना (Police Station): Thodupuzha

पिनकोड (Pincode) फैक्स (Fax)

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/811(E38112)

7 अनुज्ञप्ति परिसर में निम्नलिखित स्विधाएं अंतर्विष्ट हैं। The licensed premises consist of following facilities.

NA

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

उपर्युक्त क्रम सं. 5 में यथा किथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हए)।

Drawings (showing site, constructional and other details) as stated in serial No. 5 above. अनुज्ञप्ति प्राधिकारी व्दाररा हस्ता क्षरित इस अनुज्ञप्ति की शर्त और अतिरिक्ति शर्ते। Conditions and Additional Conditions of this licence signed by the licensing authority.

द्री प्ररूप DE-2 | Distance Form DE-2.

9. यह अन्जप्ति तारीख 31 मार्च 2006 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2006.

यह अनुज़प्ति. अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज़प्ति की शर्तों का अधिक्रमण करने या यदि अनुजप्त 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 - 05/05/2004

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives South Circle, Chennai

Amendments:

Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 27/12/2011

Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 04/03/2014

नवीनीकरण के पृष्ठांकन के लिए स्थान Space for Endorsement of Renewal

नवीकरण की तारीखं Date of Renewal

समाप्ति की तारीख Date of Expiry

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

05/05/2015

31/03/2020

Dy. Chief Controller of Explosives. Emakulam

D. C. C. E., Ernakulam

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

### (सेट VIII | Set VIII)

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 |अनुच्छेद 3 (ख) से (ग)| में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक व्दारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/811(E38112) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/811(E38112) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c) ) granted by Chief controller of Explosives or Controller of Explosives.

परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी । The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.

विस्फोटकों के भंडारण के लिए प्रयुक्तर होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए

The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.

3. मैगजीन का प्रयोग उन सभी विस्फोटकों के. जो इस अनुजध्ति में विनिर्दिष्ट है. रखे जाने के लिए और ऐसे रखे जाने से संबध्द आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं । The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.

पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा । The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.

दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को. ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर. परस्पर पृथक कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु -

(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विरूफोटक, 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 विना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।

(इ) वर्ग ६ प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे । (च) वर्ग १ 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 land detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space;

(e) Detonators belonging to Class 6 Division 3 shall be kept separately.

(f) Gun powder belonging to Class 1 shall be kept separately.

6. वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अन्जापन प्राधिकारी की विशेष मंज्री के मैगजीन में नहीं रखा जाएगा । Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.

7. वर्ग 3 (नाइट्रो 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 मंज्री 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 प्रस्तुरत करेगा ।

(ii) जब कोई विस्फोटक मानक शुध्दता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लीअसरीन या द्रव नाइट्रो योगिक के निकल ज़ाने के चिन्हू 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 बैंचो, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके । भीतरी भाग में लगी बेंचे. शैल्फें और फिटिंग यथासाध्य ग्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक. जो जल से खतरनाक रूप में प्रभावित हो सकते हैं. इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुध्द सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाध्येकर नहीं होगा जिसमें वर्ग 6 (गोला बारुद) 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



### भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालयं | 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.कक्कानाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037 फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

ई-मेल Email: dycceernakulam@explosives.gov.in

संख्या (No.): E/SC/KL/22/1730(E72220)

दिनांक (Date): 21/03/2019

सेवा में To,

George Kolhuparambil, Proprietor,

M/s. United Granites & Metals, Vazhithala P.O., Thodupuzha,, Town/Village - Vazhithala District-IDUKKI, State-Kerala, Pincode - 685588

विषय:

Survey No.357/3, Block No. 11, ग्राम Manakkadu (v), Thodupuzha Taluk, जिला IDUKKI, राज्य Kerala में विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञित सं E/SC/KL/22/1730(E72220) के नवीनीकरण संदर्भ में।

Possession for Use of of Explosives from magazine situated at Survey No.:357/3, Block No. 11, Subject: Manakkadu (v), Thodupuzha Taluk, Dist. IDUKKI, Kerala -Licence No.: E/SC/KL/22/1730(E72220) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 21/03/2019 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुज्ञप्ति दिनांक 31/3/2022 तक नवीनीकृत कर इस पत्र के साथ भैजी जा रही है। Reference to your letter No.: Nil dated: 21/03/2019, the subject licence duly renewed upto 31/3/2022 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/ 2022 से पहले इस कार्यालय को भेजे जाएं.

For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2022.

- प्ररूप आरई-1 में विधिवत पूर्ण एवं हस्ताक्षरित आवेदन।
   Application in Form RE-1 duly filled in and signed.
- एक से पाँच वर्ष के अनुज्ञप्ति शुल्क का बैंक ड्राफ्ट। बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक के नाम आहरित, संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्नई के पक्ष में चेन्नई में देय हों।

Licence fees for one to five years in the form of demand draft drawn on any Nationalized Bank in favour of Jt. Chief Controller of Explosives, Chennai payable at Chennai.

- अनुमोदित प्लान के साथ मूल अनुजप्ति।
   Original licence with approved plan.
- कृपया इस संबंध में विस्फोटक नियम, 2008 के नियम 112 का भी संदर्भ ग्रहण करें।
   In this connection, please also refer to Rule 112 of Explosives Rules, 2008.
- विस्फोटकों के क्रय हेतु आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजीं जाएं (आतिशबाजी गोदाम के लिए लागू नहीं ) । Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office.(Not applicable for fireworks store house)
- कृपया विस्फोटकों की त्रैमासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाएं । विवरणी इस कार्यालय के कार्यालय में आगामी तिमाही के 10 तारीख से पहले पहुंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं ) | Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to

reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house)

• सभी ब्लास्टिंग आपरेशन एक सक्षम द्वारा की जाएगी जो उपरोक्त नियमों के तहत एक वैध शॉट फायर प्रमाणपत्र धारक हो। हालांकि, खान अधिनियम 1952 के अधीन आने वाले खानों में ब्लास्टिंग आपरेशन करने वाले ब्लास्टर की योग्यता उसी अधिनियम से निर्धारित हो।

All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act.

भवदीय | Your's faithfully

(आर.वेण्गोपाल | Dr. R.Venugopal)

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

प्रतिलिपि प्रेषित | Copy Forwarded to:

एरनाकुलम Ernakulam 1. ज़िला मजिस्ट्रेट (District Magistrate), IDUKKI (Kerala)- सूचना के लिए (for information.)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam

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

### अनुज्ञप्ति प्ररुप एल. ई.-3 | LICENCE FORM LE-3

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

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

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

अनज्ञप्ति सं. (Licence No.) : E/SC/KL/22/1730(E72220) वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

George Kolhuparambil, Proprietor (अधिभोगी / Occupier : George Kolhuparambil), M/s. United Granites & Metals, Vazhithala P.O., Thodupuzha, Town/Village - Vazhithala, District-IDUKKI, State-Kerala, Pincode -

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनूजप्तिधारी की प्रास्थिति | Status of licensee : Proprietorship Firm

3. अन्जिप्ति निम्निलिखित प्रयोजनों के लिए विधिमान्य है।

possess for use of Detonators, Safety Fuse, Nitrate Mixture के उपयोग के लिए

License Photo v

Licence is valid only for the following purpose.

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

क्र	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
Program	Nitrate Mixture	2,0	0	250 Kg.
2.	Detonators	6,3	0	5000 Nos.
3.	Safety Fuse	6,1	0	2000 Mtrs

(ख) किसी एक कलैंडर 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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अन्जप्त परिसर की पुष्टि होती रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1730 The licensed premises shall conform to the following drawing(s): . दिनांक (Dated) 01/04/2015

6. अन्ज्ञिष्त परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address: Survey No. 357/3, Block No. 11, ग्राम (Town/Village): Manakkadu (v), Thodapuzha (Police Station): Thodapuzha **IDUKKI** राज्य (State) Kerala जिला (District)

द्रभाष (Phone)

ई. मेल (E-Mail)

पिनकोड (Pincode) फैक्स (Fax)

685588

20 times

7. अन्जप्ति परिसर में निम्नलिखित स्विधाएं अंतर्विष्ट

The licensed premises consist of following facilities.

Constructed magazine for explosives and detonator as per Specification 2 of Schedule VII of Explosives Rules, 2008.

- 8. अन्जप्ति समय समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबध्दों के अधीन रहते हुए अनुदत्त की जाती है। The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.
  - 1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)। Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
  - अन्जिप्ति प्राधिकारी व्दाररा हस्ता.क्षरित इस अन्जिप्ति की शर्ते और अतिरिक्ति शर्ते। Conditions and Additional Conditions of this licence signed by the licensing authority.

द्री प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2019 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2019.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो। This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 01/04/2015

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of **Explosives** 

South Circle, Chennai

### Amendments:

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 25/09/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 09/11/2017 Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 20/03/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 23/03/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 29/06/2018

नवीनीकरण के पृष्ठांकन के लिए स्थान Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुजापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
21/03/2019	31/03/2022	
	in PROPER	Dy. Chief Controller of Explosives, Ernakulam उप मुख्य विस्फोटक नियंत्रक Deputy Chief Controller of Explosives एरनाकुलम Ernakulam

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



ലൈസൻസ് നമ്പർ A5/4/2019-20

തീയതി. 28:03:20/9

1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് ( 1994 ലെ 13 ) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

### ഡി & ഒ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	വഴിയും ചെട്ടുവന്നിച്ച കോട്യവുന്ന ചെട്ടുവന്നിച്ച
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	DE Jonne
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ഭാരിക്കാൻ വസന സംസ്തുന്നതിൽ
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	Susvey Nos 354/4/254/5,355/1Pt,351/1Pt,350,352/1 31:03:2020
ലൈസൻസ് കാലയളവ്	01.04.2019 along 19.04.2019 and along
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	6m2605 (100000000000000000000000000000000000
ലൈസൻസ് അനുവദിക്കു ന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ ( നമ്പർ, തീയതി, കാലയളവ്, നൽ കിയ അധികാരസ്ഥാനം)	1. Mining & creology certificate valid up to 31 lo3/2020  2. Environmental clearance valid up to 16.03-2023  3. Consent to operate boom PCB valid up to 15.07.2023  4. Livene from petrolenm & Explosive 5. Blustman's certificate 102.04.2020  6. Fire & Rescue certificate valid up to 4410472019

ഓഫീസ് മുദ്ര

ലൗലി ക്ക്ക്രൂട്ടിന് 9 സെക്രട്ടറി

മാനാട്ടവ് കണക്കാര്യക്കാര്യത്ത് അ

പുതുപ്പരിയാരാ പി.ഒ., ഇടുക്കി ജില്ല – 6 ഫോൺ: 04882-202248, മൊബൈൽ: 9496

- കേരളാ പഞ്ചായത്ത് രാജ് തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലകളും പ്രവർത്തിക്കേണ്ടതാകുന്നു.
- 2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ / സെക്രട്ടറി ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യം അധികാരപ്പെടുത്തുന്ന മറ്റ് നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
- ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്ക വിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
- പഞ്ചായത്തിൽ നിന്നും അനുവാദം ലഭിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
- തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശലൃം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
- ഓരോ പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
- 7. ആ സ്ഥലത്തിന്റെ<mark>യോ പരിസരത്തിന്റെ</mark>യോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൂഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച് , സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
- 8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിനൃമോ, ചപ്പുചവറോ,അസഹൃവും, ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
- ലൈസൻസി മേൽപറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്ത് വയ്പിക്കേണ്ടതാണ്.
- 10. അയിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
- 11. ഏതെങ്കിലും തരത്തിലുള്ള ത്വക്ക് രോഗമോ കുഷ്ഠ രോഗമോ വ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
- 12. 40 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക്കുകളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക്ക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
- 13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
- 14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്ലെറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
- 15. നിരോധിത ഉൽപന്നങ്ങളായ പാൻമസാല, ഗുഡ്ഖ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ
- 16. ബാലവേല അനുവദിക്കാൻ പാടില്ല.

മൂകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് ചെയ്യപ്പെടുന്നതിന് റദ് കാരണമാകാവുന്നതാണ്.

മണക്കാട് ഗ്രാമപഞ്ചായത്ത്

ഫോൺ: 04882-202248, മൊബൈൽ: 9496045

ളെല്റ്റ് ൻസ് അവസാനിക്കുന്ന തീയതിയ്ക്ക് 30 ദിവസം മുമ്പ് ലൈസന്റുന്റ് പ്രുത്തുക്കുന്നുതിയുളളുട്ടി ജില്ല - 665 അപ്പേക്ഷ് സമർപ്പിക്കേണ്ടതാണ്.

No. 890/M3/2017

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: 01/10/2018

From

The Director of Mining & Geology

To

Shri. George Kochuparambil, Kochuparambil House, Vazhithala. P. O, Thodupuzha, Idukki District – 685 583

Sir,

Ref:

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

, ropuration and endouner or quarrying

1. Pro. Order No. 451/2018-19/890/M3/2017/DMG Dated: 01/10/2018

2. Kerala Minor Mineral Concession Rules, 2015

3. Kerala Minerals (Prevention of illegal Mining, Storage & Transportation) Rules, 2015.

4. Mines & Minerals (Development & Regulation) Act, 1957.

Please refer to the Proceedings Order cited above wherein a quarrying lease for Granite (Building Stone) is granted to Shri. George Kochuparambil, Kochuparambil House, Vazhithala, P. O. Thodupuzha, Idukki District - 685 583. A draft copy of quarrying lease deed in Form H is enclosed. I request you to prepare three copies of the guarrying lease deed, original on plain paper and two copies of the same in stamped paper worth Rs. 500/- and produce the same before the Geologist, District Office, Idukki for scrutiny and execution. The date of execution will be filled by the Geologist at the time of execution or you fill in the date after getting confirmation from the District Geologist. After scrutiny of the quarrying lease deed, the Geologist will inform you the date of execution convenient to him. You have to be present in person at the District Office on such date with two witnesses for execution of deed. It may be noted that the survey map based on which lease is granted to you forms a part of the deed and same has to be included in the lease deed. The signature of the lessee and lessor has to be affixed in the survey map also. After execution of deed, as per the request of the District Geologist stamp duty shall be fixed by District Registrar. On remittance of stamp duty, a certificate of remittance of stamp duty will be entered in the lease deed by the Registrar. The lease deed has to be registered by the office of the Registration Department concerned. After registration, the documents have to be produced before the District Geologist.

A chalan for Rs. 1,22,987/- (Rupees one lakh twenty two thousand nine hundred and eighty seven 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 before the Geologist, District Office, Idukki at the time of execution.

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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.

Before starting quarrying operations you have to send 2 copies of notice in attached Form D to the Director (Mining), Directorate General of Mines Safety, No. 5, 14th Main (100ft) Road, 4th B

Block, Koramangla, Bangaluru - 560 034 and one copy to District Magistrate concerned.

Yours faithfully, &

DIRECTOR OF MINING & GEOLOGY

Encl (applicant):

1. Proceedings order

2. Draft Form H

3. Form D

4. Countersigned Chalan

Copy to:

The Geologist, District Office, Idukki for further necessary action. (Ref your letters No. DOI/1485/M/16 dated 11/01/2017, 27/07/2018)

You are instructed to execute the lease deed as and when it is received. The Proceedings Order cited as reference I, original survey map and draft Form H are enclosed herewith. The survey map forms a part of lease deed and the signatures of both lessor and lessee. A copy of the lease deed may be forwarded to this office soon after registration. Please ensure that the area under this grant is demarcated and boundary stones maintained properly before execution of the lease deed.

You may ensure remittance of security deposit, surface rent etc. for the amount specified in the lease order. You may also obtain financial guarantee from the lessee for the

amount specified in the lease order.

You are also instructed to obtain and forward the Form D to this office. Since Form D is a statutory document, no movement permits shall be issued to lessee if lessee fails to prove that he had sent notice in Form D to the Director (Mining), Directorate General of Mine Safety, No. 5, 100ft Road, 17th Main, Koramangala 4th Block Bengaluru, Karnataka – 560 034 and District Magistrate.

You are further instructed to forward photocopies of the registered lease deed to the Director of Mines Safety, Bangaluru & District Collector. Please ensure that the lessee is observing the requirements as per mining plan, lease grant order, form H and KMMC Rules, 2015.

Encl: (District Geologist)

- 1. Original Survey Map
- 2. Draft Form H
- 3. Proceedings order

FILE NO: PCB/RO-EKM/IDK/OL-845/18

Date of issue: 16/07/2018



### KERALA STATE POLLUTION CONTROL BOARD

### **CONSENT TO**

### OPERATE/AUTHORISATION/REGISTRATION

### **ISSUED UNDER**

The Water (Prevention & Control of Pollution) Act, 1974 The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. :7515269 Dated:28-06-2018

TO

M/s SRI.GEORGE KOCHUPARAMBIL,QUARRY OF UNITED GRANITES & METALS GEORGE KOCHUPARAMBIL VAZHITHALA P O THODUPUZHA

Consent No.:018IDKCTOA7515269

Valid Upto :15/07/2023

### 1. GENERAL

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

	VALIDITY	15/07/2023
2	Name and Address of the establishment	SRI.GEORGE KOCHUPARAMBIL,QUARRY OF UNITED GRANITES & METALS VAZHITHALA P O THODUPUZHA 685583
3	Communication	Telephone:91-9995878898 Fax:- E-mail:unitedgranitesandmetals@gmail.com
4	Occupier Details	GEORGE KOCHUPARAMBIL KOCHUPARAMBIL(H) MANAKKAD VAZHITHALA
-	Local Body	MANAKADU PNCHAYATH
5	Survey Number	351/1 pt,354/4,354/5,355/1pt,352/1pt,350
6		MANAKKAD
7	Village Taluk	THODUPUZHA
8	District	IDUKKI
9	Capital Investment(Rs in Lakhs)	1200
10		Large
11	Scale	RED
12	Category Annual fee(Rs)	Rs. 81000
	Total Fee remitted(Rs)	Rs. 405000/-
1.4	RAW MATERIAL	PRODUCTS
14	ROCK/Y @400000 Metric Tonnes	STONE AGGREGATES/Y @400000 Metric
15	Total Power Required (HP)	
13	Tomi Lond Art quiet	

### CONDITIONS AS PER

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

- 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 2.1 shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- Water consumption: 2.2
- Effluent generation: 2.3
- The characteristics of effluent after treatment shall confirm to the following tolerance limits: 2.4

	C)towigties	Unit	Tolerance Limit	
.NO.	Characteristics	Ome	Sewage	Trade Effluent

2.5	Mode of disposal of t	reated effluent:			
3. CO	ONDITIONS AS PER				
100000	e Air(Prevention and C	ontrol of Pollution	Act, 1981		
3.1	Adequate air pollutio industry. Additional also be made along w	facilities required, if a	all be operation	nal at all times di the standards laid	uring the functioning of the down by the Board shall
Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Heigh	nt above	Control Equipment
			Ground Level	Roof Level	
3.2	Emission characteris	tics shall not exceed the	ne following:		<b>#</b> -∞
SI.No.		Parameter		Limiting	g Standards (mg/Nm3)
4.1 4.2	(Regulation and Cor	trol) Rules 2000.			isions of the Noise Pollution ment and Handling) Rules, •
4.3	Hazardous waste ger (Management and T	nerated, if any, shall be ransboundary Movem	e handled as pe ent) Rules, 201	r the Hazardous 6.	and Other Wastes
4.3.1		Authorisation is grant			
Collec	ction		transport	10.3	
Recep			Storage	0/20	
Treati	ment		Reprocess	ing/Disposal	
4.3.2	Type, quantity and r	node of storage/collec	tion/disposal o	f hazardous wast	tes shall be as follows:
SI.No.	. Hazardous Wast	e	Schedule Ca	tegory	Quantity Tonne/year
		N	Mode of		
	Storage	NEWSTER AND AND STREET		Di	sposal
4.4	E-waste shall be dis	posed off safely as per	r the E-Waste (	Management)Ru	ıles, 2016.

### 5. SPECIFIC CONDITIONS

5.1. This consent, unless withdrawn earlier is valid up to the validity of permit/lease issued by the Department of Mining and Geology or 15.07.2023. In case of operation of the quarry is to be continued

thereafter, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System on or before 16.04.2023. Late application will be accepted with a fine or late fee as applicable.

- 5.2 This consent is granted for operating quarry with production capacity of 200MT/day granite boulders.
- 5.3 The consent issued from the board is only with respect to the powers vested under the water Act 1974 Air Act 1981 and the Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned Authorities.
- 5.4 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.
- 5.5 A minimum distance of at least 50m shall be kept from the boundary of quarry area to residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.
- 5.6 All control measures provided should be maintained properly to ensure that the system is adequate to control the pollution caused.
- 5.7 The quarry should not be operated between 6.00 pm and 6.00am.
- 5.8 Necessary permission from Mining & Geology, Explosive Department may be obtained before doing blasting.
- 5.9 After excavation at the site is completed the land may be used for rain water harvesting with protective barriers/any other suitable approved purpose or may be reclaimed.
- 5.10 The depth of excavation below the highest point shall not exceed 6m.
- 5.11 Fencing shall be provided around the boundary of quarry operation and shall be maintained properly.
- 5.12 The PM10 in ambient air at the boundary shall not exceed  $100 \mu g/m^3$ .
- 5.13 The PM2.5 in ambient air at the boundary shall not exceed 60  $\mu$ g/m³.
- 5.14 The sound level (Leq) at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas.
- 5.15 The consent issued from the Board shall be valid only for a period when all other statutory or necessary clearance from other concerned authorities are valid.
- 5.16 No other machineries shall be operated without prior Consent of the Board.

- 5.17 The validity of this Consent is subject to subsequent Government Orders & directions/judgement of Honourable High Court and National Green Tribunal.
- 5.18 The location of the quarry unit shall be as shown in the drawing attached and no change, deviation or alteration that may affect the environment, extend and location of the quarry shall be made.
- 5.19 Fugitive emission from the premises shall be supressed.
- 5.20 Products shall be transported with proper cover and/ or after wetting to prevent spreading of dust.
- 5.21 All the conditions stipulated in the Environmental clearance No.56/2018 shall be fully complied with during operation of the quarry.
- 5.22 For renewal of the consent in case of continuance of operation of the quarry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 3 months prior to the date of expiry. Late application will be accepted only with fine.

BAIJU M A

Digitally signed by BAIJU M A
Date: 2018.07.18 12:08:10 +05'30'

DATE:16/07/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY



To

SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS VAZHITHALA P O THODUPUZHA

Copy to:

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

957 **3 350** 

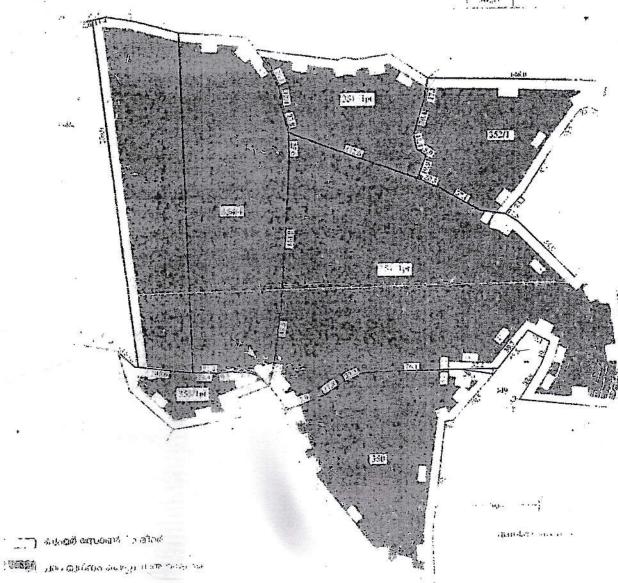
Section .

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BAIJU M A

Digitally signed by BAIJU M A Date: 2018.07.18 12:05:22 +05'30'

CHIEF ENVIRONMENTAL ENGINEER

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### KERALA STATE POLLUTION CONTROL BOARD

FILE NO.: PCB/RO-EKM/IDK/OL-845/18

Date of issue :2018-10-17

### CONSENT VARIATION ORDER

Consent No: O18IDKCVO8831136

Ref: 1. Consent No.018IDKCTOA7515269 dated 16/07/2018 valid Up to 15/07/2023

2. Consent Variation Order No:O18LDKCVO 8454273 Dated:4.9.2018

The 'Integrated Consent to Operate' issued as per reference above to M/s SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS,

VAZHITHALA P O,THODUPUZHA is hereby modified & issued to M/s SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS,

VAZHITHALA P O,THODUPUZHA The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/additions.

### I. GENERAL

S.No.	Items	Description
1	Survey No	Re Survey Nos.351/1pt,354/4,354/5,355/1pt,352/1pt,350
2	Total Power Required (HP)	444 HP

### II. CONDITIONS

2.1.Condition no.5.2 is modified as: This consent is granted for operating quarry with a production capacity of 1500 T/day granite boulders.

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

DATE:17/10/2018

BAIJU M A

Digitally signed by BAIJU M A Date: 2018.10.17 12:39:25 +05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY

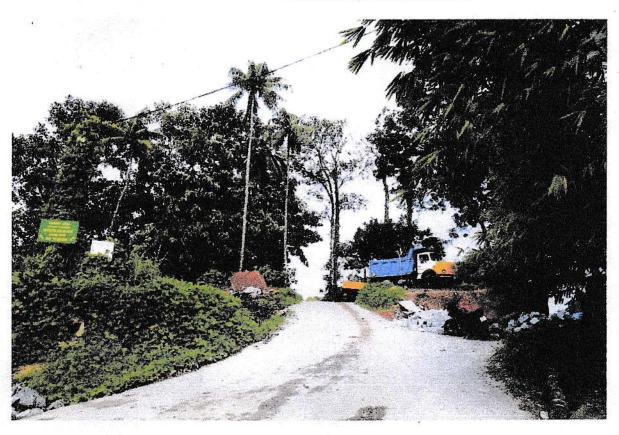
CHIEF ENVIRONMENTAL ENGINEER



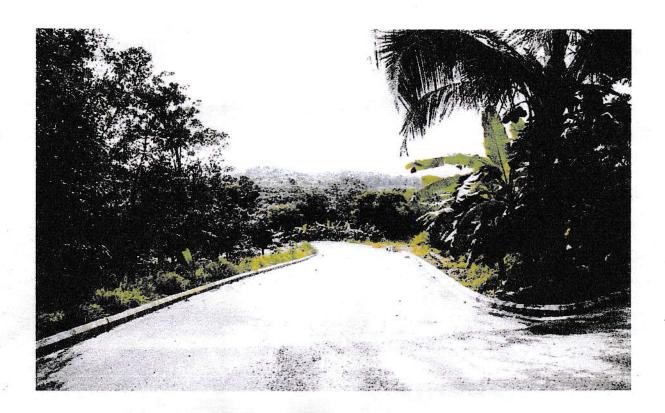
To SRI.GEORGE KOCHUPARAMBIL, QUARRY OF UNITED GRANITES & METALS, VAZHITHALA P O, THODUPUZHA

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

### Additional information



Tar road connecting crusher and quarry



Trees are planted on the slope of road.



Top soil perserved in a separate stock yard

### UNITED GRANITES AND METALS



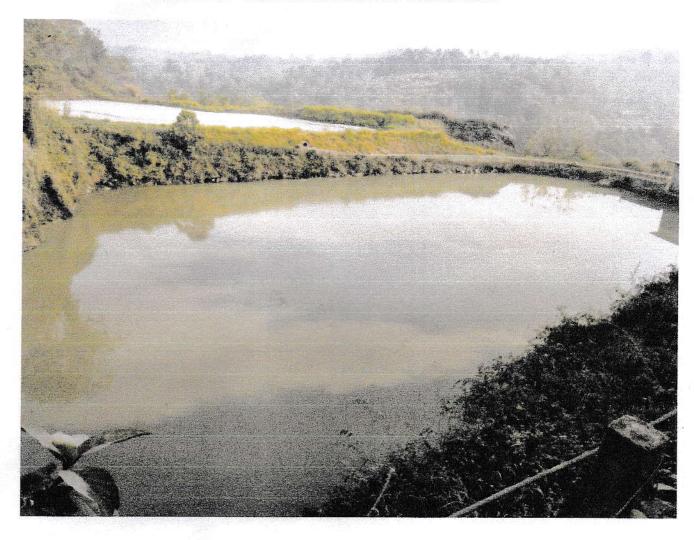
RAIN WATER ARRESTING AREA

### UNITED GRANITES AND METALS



RAIN WATER HARVESTING AREA

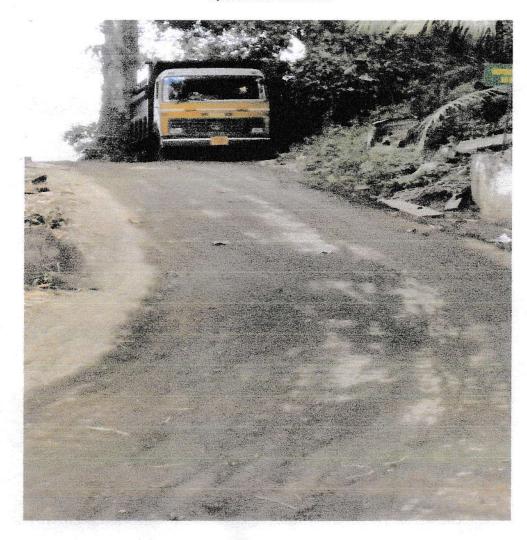
### **UNITED GRANITES AND METALS**



**RAIN WATER HARVESTING POINTS** 

### **UNITED GRANITES AND METAL**

**QUARRY ROADS** 



ARRAGEMENT OF TARRED ROAD TO THE WORKING POINT.

### UNITED GRANITES AND METAL QUARRY RESTICATED AREA



### BOARD SIGN PROTECTING THE MINE AREA

### **UNITED GRANITES AND METAL**

**MIST VIEW** 



## ARRANGEMENT OF WATER MIST AT MINE BOUNDARY POINT

### **UNITED GRANITES AND METAL**

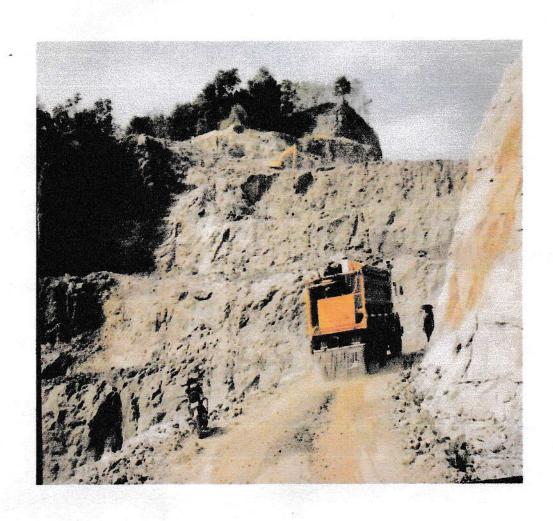


# ARRANGEMENT OF WATER MIST AT MINE WORKING POINT

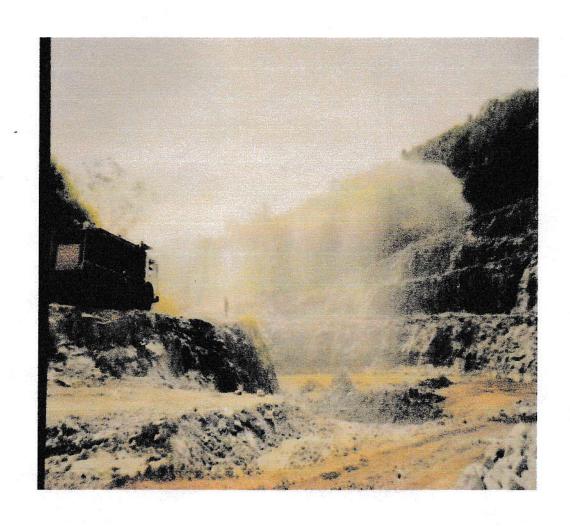
### UNITED GRANITES AND METAL WATER SPINKLAR SYSTEM



## WATER SPINKLAR AT THE TIME OF BLASTING ALL AROUND MINES.



WATER SPINKLAR AT THE TIME OF BLASTING ALL AROUND MINES.



### WATER SPINKLAR AT THE TIME OF BLASTING ALL AROUND MINES.



PLANTATION WORK FUNCTION
ORGINZAED BY THE COMPANY
PERSIDENT OF MANAKKAD VILLAGE
PANCHYAT PLANTING TREES



## GOVERNMENT OFFICALS PARTCIPATED IN THE AFFERESTAION ACTIVITES OF COMPANEY.



## SENIOR GEOLOGIST MINING AND GEOLOGY DEPARTMENT THODUPUZHA PLANTING THE TREES.



# ENIVORMENTAL WEEK CELEBRATIONS CHEIF GUEST PANCHAYAT MEMBER



## NOTICE BOARD DISPLAYED AT THE MAIN ENTERENCE OF UNITED GRANITES AND METAL. E.C CONDITIONS

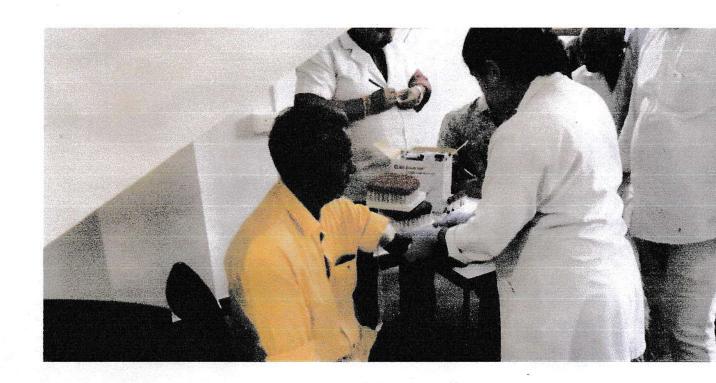
**BLASTING TIMING BOARD** 



INTIMATION OF BLASTING HOURS



OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME



### OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME



OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME

### UNITED GRANITES AND METAL SWATCH BHARTH MISSION



