

**FIRST COMPLIANCE REPORT FOR
THE PERIOD 1-7-2018 TO 31-12-2018**

to
**THE CONDITIONS OF
ENVIRONMENTAL CLEARANCE ORDER
NO. 1137/EC/SEIAA/KL/2017**

issued by

**STATE ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY (SEIAA)
KERALA**

for

MINING PROJECT

at

**Sy. No. 354/4, 354/5, 355/1pt, 351/1pt, 350, 352/pt
MANAKKAD VILLAGE, THODUPUZHA TALUK
IDUKKI DIST, KERALA**

in favour of

**George Kochuparambil
M/s United Granites And Metals
Vazhithala - Thodupuzha Taluk - Kerala**

Preamble

M/s United Granites and Metals is operating a stone quarry at Sy. No. 354/5, 354/4/, 355/1pt, 351/1pt, 350, 352/1pt in Manakad Village, Vazhithala P.O, Thodupuzha Tk, Idukki, Kerala state. The company obtained Environment clearance from SEIAA vide File No. 1137/EC SEIAA/KL/2017. The conditions stipulated in the clearance order is complied by the company. The compliance report in detail for the period 1.7.2018 to 31.12.2018 (Half yearly) is submitted to the Regional Office (MOEF) and SEIAA (Kerala) for records purpose.

GENERAL CONDITIONS (FOR MINING PROJECTS)

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

Rain water Harvesting facilities are installed in our mines as per the provisions of the general condition of the Environmental clearance.

Excavated/old pits are earmarked for the purpose of rain water harvesting.

Details are as below.

<u>Location</u>	<u>Dimension</u>	
	L x B x Depath	
1. In south Pit	= 26 x 245 x 12 m	= 764400m ³ /2018016 gallons
2. In North pit	= 290 x 260 x 12 m	= 904800m ³ = 2388672 gallons
3. East pit	= 130 x 120 x 6	= 93600m ³ = 24705 gallons

Rain Water harvested are used for industrial purpose.

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

Environment monitoring cell has been formulated and functioning effectively in our mines.

Sri. Sonu Jose, Director of the Company is nominated to perform the duties of the Head of the Environmental monitoring cell. The other members of the Environment monitoring cell are detailed below.

1. Sri Prasanth - Asst. Environment Officer for monitoring Health and Safety
2. M/s Pollution Laborties (P) Ltd. ('A' Grade Lab approved by Kerala State Pollution Control Board) for monitoring Air, Noise and water pollution.
3. Sri. Rodriques, AEO for monitoring eco-friendly operation in the mines.

The above said monitoring cell function in the field such as

- a) New project and determine the impact of the environment.
- b) Design a comprehensive environment management plan.
- c) obtain all clearance in matter of environment.
- d) Constant monitoring of emission/discharge of Air, Noise and water pollution, if any and their control.
- e) Increase the cover of green field within the mine leasehold area.
- f) Upgrading and retrofilling of pollution control system.
- g) Resources conservation
- h) Health check up and medical camp.

- 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 Trees are planted along either side of the tarred road and other adjacent areas, including approach roads and internal road. Photo copies enclosed for kind reference.

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

Solar energy generation are installed in the mines. Five units of solar panels are used for illumination purpose and solar water heaters are installed in the canteen for the welfare amenities.

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

Sprinkers are installed in the total mine leasehold area including the haul road to contain the dust emissions. (Photos enclosed for reference)

- 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.

10 per cent of the total excavated pit area is retained as water storage area and the remaining area been reclaimed with stacked dumps and overburden and planted with indigenous plant/species that are eco-friendly. From the inception of the mining activities 2944 number of trees are planted. Out of that 40 per cent of the trees are grown up to 4.5 mtr height remaining 30 and 25 percent of trees are grown up to 4 mtr and 3 mtr respectively.

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

Corporate social responsibility (CSR). As agreed upon by us the CSR schemes are implemented. During the corresponding period the following CSR activities are under taken.

a) Flood relief funds	-	Rs. 5,30,000✓
b) Donations to poor/general public	-	Rs. 3,45,000✓
Medical treatment		
c) Supply of Uniform/books, conveyance to school going children	-	Rs. 1,30,000✓
d) Environmental protection work	-	Rs. 1,90,000✓
e) Dust control/water spray in public road and other repair work	-	Rs. 3,25,000✓
f) Other misc. charges towards welfare of public in general	-	Rs. 2,50,000

In total Rs. 17.7 lakh been spent for the CSR and environment protection work.

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

The entire lease hold area has fenced off with barbed wire to a height of 4 feet. We have also displayed boundary indicators and protected at all times.

The Fencing arrangement, sign board and other indicators are clearly visible, noticeable and discernible.

- 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 alarm are installed indicating the time of blasting as per the stipulation of concerned department are arranged and is in practice. (copies enclosed)

- 11 Control measured on noise and vibration prescribed by KSPCB should be implemented.

Control measures on Noise, Vibration as prescribed by the KSPCB is implemented. Recent inspection of Environmental Engineer Thodupuzha report confirms the control measures of noise and vibrations.

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

Quarrying activities are limited to day time only as per KSPCB guidelines. Quarry activities are not carried out during 6 pm- 6 am. (18.00 Hrs - 6.00 Hrs)

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

Controlled blasting Technique been practiced in the mine as specified by the concerned safety authorities.

- 14 A licensed person should supervise/control the blasting operations.

Only licenced persons are engaged for blasting purpose and highly qualified licence persons are supervising the blasting activities in different tier safety arrangements.

Details of Licenced persons engaged for blasting purpose.

1. Sri. Rodniques - DGMS Permit Hodler
2. Sri. Muali - do
3. Sri. Naresa - do

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

Access Road to quarry area are tarred to control the dust which transportation.

- 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 managed within mines and it will be used for reclamation of old pits at the time of MINE CLOSURE PLAN.

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

Height of the benches are maintained not exceeding 5 mtr and width of the benches are not less than 5 mtr.

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

Mats are deployed to avoid fly rock during blasting operation.

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

Present mining operation is above the ground level. However while working below the general ground level care will be taken not to violate the E.C. condition.

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

Mining activities are not carried out in the areas 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 develop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.

Noise levels are kept within prescribed standard given by KSPCB by providing Acoustic enclosure for the noise producing equipment like air compressor etc, to reduce sound amplification, in addition to the green belt and hollow brick develop for crusher. Hence the noise levels are kept within the standard prescribed by KSPCB/CPCB.

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

All the workers on the site been provided with the required protective equipment such as ear muffs, along with Helmet, Hand gloves, Goggles and safety boots etc.

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

Garland drains with clarifiers are provided in the lower slope around the core area to channlise storm water.

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

Company had taken action to transport the materials in covered cloth to contain dust emission.

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

During the last 6 months company uprooted 17 trees, in lieu of that 125 plants are planted to compensate the loss of trees.

Panchayat president, Thodupuzha and Dy. Chief Controller of Explosives, PESO Ernakulam are invited as special guest for the planation purpose (Photos enclosed)

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

Company has taken due care to dispose the spent oil from diesel engine in separate container by trained persons as specified under relevant rule/regulation.

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

Explosives are stored in Magazine duly approved by explosive department.

Approved licence from the explosive department are furnished below.

Explosive Licence No

1) E/SC/KL/22/811 (E38112)

2) E/SC/KL/22/1730/CE 7220)

copies enclosed

- 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.

A minimum Buffer distance of 100 mtr from the boundary of the mine lease hold area is maintained and no work/other facilities for mining will be done where the nearest dwellings/units/other structures present with in 100 mtr of the boundary.

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

The condition S.No. 29 is not applicable to this project as there is no Forest boundaries are lying near our mine lease hold area.

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

Consent from the KSPCB under water, Air Acts are obtained prior to the commencement of the mining activities.

- 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 statutory clearances are obtained from the concerned competent authority. Company posses valid licence for possessing and usage of explosives.

Company also obtained clearance/permission for HEMM (Heavy Earth moving machineries under Mines Regulations 1062(B) from DGMS. Permissions are obtained from Mining and Geology Department, Kerala.

- 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 require 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 Acts 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 vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.

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 Panchayath/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 Panchayat. 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 compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional

Office of MoEE, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.

The company has submitted Half Yearly reports on 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.

The last submission of compliance report was for the period of 1-01-2018 to 30-06-2018 in respect of E.C. No. 36/SEIAA/KL/6091/2011 dt. 14/2/2012. Though, the present Environmental clearance letter No 1137/EC/SEIAA/KL/2017 issued on April, the actual mining operation commenced on 04-10-2018 after executing the new mining lease.

Hence this submission of report (1-7-2018 to 31-12-2018 half yearly) suffice the compliances of EC No. 1137.

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

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

A notarized affidavit is provided stating that the condition stipulated in the EC. bearing No. 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 or 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 streams, if any encountered, necessary safeguard measures to protect the streams will be carried out.)

- 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.

Photo copies are enclosed in various places of sprinklers function. >

- 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 8 m and width 20 m and overall slope of the dumps shall be maintained for 45°. The OBdumps 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 soil 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 and 20 mtr 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/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 desilted 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-off of water and flow of sediments directly into the river and other water bodies. The water so collected are used for the sprinklers purpose and the drains/ponds are desilted 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 $PM_{2.5}$ such as haul Road, loading and unloading points and transfer points - it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

(In critical areas such as Loading, unloading, Haul Roads and transfer points are effectively safeguarded by regular water sprinkler arrangements. Where prone to air pollution and having high levels of PM_{10} and $PM_{2.5}$.)

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 i.e. mobile sprinklers, fixed sprinklers and mist water sprayer. Thus in critical area and general haul road dust 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 taken to control the noise levels below 85 dBA in the work environment.)

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

(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, who worked in the capacity of Secretary of Environment committee for Goa zone has been entrusted the task of safe working to mine and control of pollution of Dust, noise and vibration. Sri. Naresh, Mining Engineer (Jr) will manage the other activities to 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 MOFF & 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 requited data/information/monitoring reports.

/ The company will abide the conditions as stipulated in Sl. 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 data or submission of false/fabricated data and failure to

comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act. 1986.

(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 any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

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

54. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.

(Company agreed to the conditions of Sl. 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 intersect ground water table.

(Mining operation will not be carried out below 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.
- C 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.

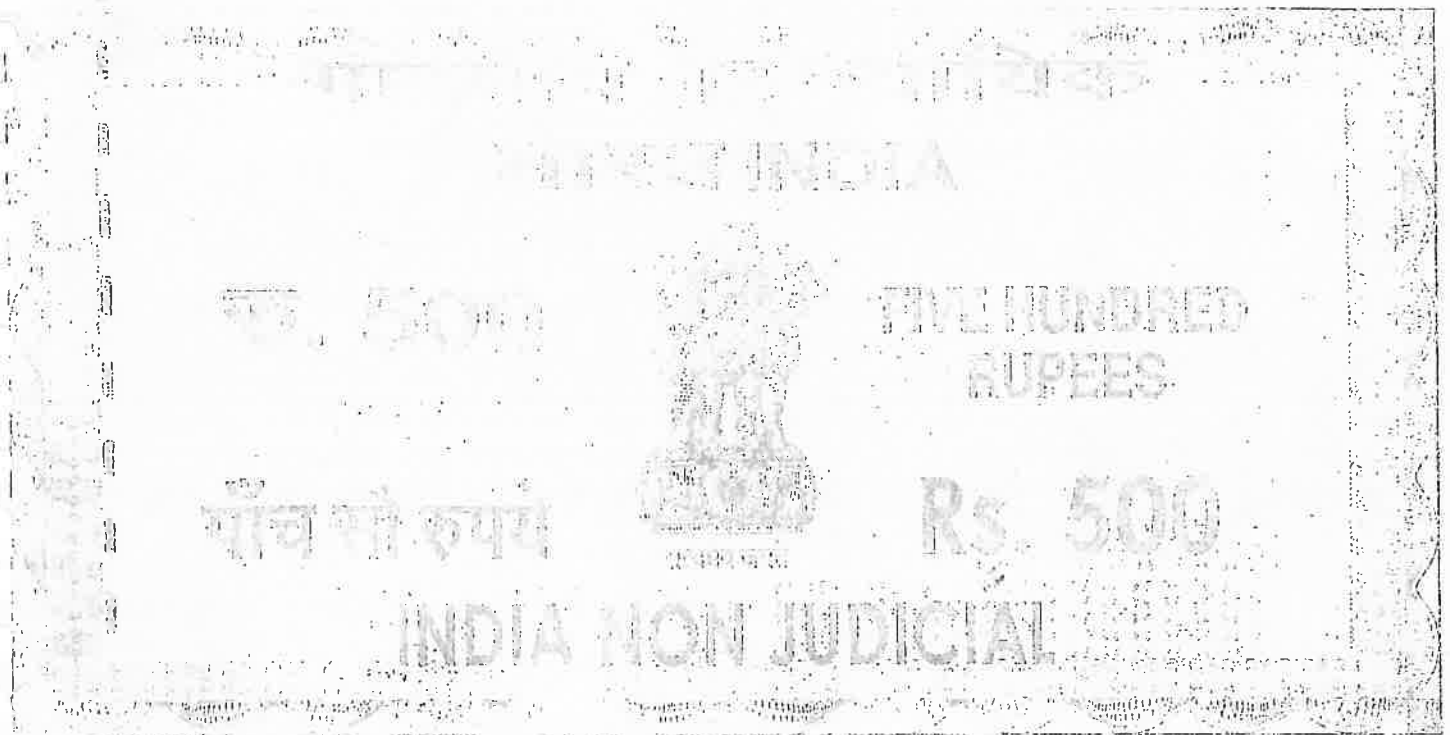
Occupational health surveillance programme of the workers are under taken periodically.)

Once in every 12 months, workers are undergoing medical check up and Dr. Joseph MD, General Medicine, Chazhikattu Hospital examine the workers for any contractions due to exposure of dust.

Apart from the above, blood test for sugar, CPC and lipid test, urine routine including kidney function test, X-ray chest, P.A preview are done n the Neethi medical Lab (Idukki Cherukida Vyavasai Co-operative Society) and if any abnormal values are present referred to the specialist for treatment.

Medical camp photos are enclosed.

for Member Secretary, SEIAA Kerala



केरल KERALA

547173

AFFIDAVIT

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

1. That, I, proposes to develop a Quarry Project in Re-Survey Nos. 354/4, 354/5, 355/1pt., 351/1pt., 350, 352/1pt, at Manakkad Village, Manakkad Grama Panchayat, Thodupuzha Taluk, Idukki District, Kerala.
2. That, the Environment Clearance proceedings number and date are Order No. 1137/EC/SEIAA/KL/2017 dt. 17-03-2018.
3. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.

DEPONENT: 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.

DEPONENT: GEORGE KOCHUPARAMBIL

Place : Idukki

Date : 13-04-2018

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13/4/2018

George Kochuparambil





ലൈസൻസ് നമ്പർ A4/107/2018-19

തീയതി 26/07/2019

മനക്കാട് ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

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	ജ്യോർജ്ജ് കൊച്ചുചനമിൻ കൊച്ചുചനമിൻ വടിയന്നല P.O	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	മുത്തമിസ് ത്രിനൈത്ത് ഭരണ സെന്റർ വടിയന്നല	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കിടപ്പ് വനനം നടത്തുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	Shurvey No 354/4, 354/5, 355/1pt, 351/1pt, 350, 352/1pt of Thodupuzha Thahak manakkad village	
ലൈസൻസ് കാലയളവ്	<u>26/07/2018</u> മുതൽ <u>31/03/2019</u> വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	<u>15,000/-</u> രൂപ	സെൽ നമ്പർ
		<u>16227/45</u> <u>267/18</u>
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	1. Environmental clearance No. 1137/EC/SE/IAA/19K/2017 dt 17/03/18 Valid up to 16/03/2023 2. Consent to operate from PCB No PCB/RO - ERM/IDK/0K-843/18 dt 16/7/18 Valid up to 15/04/2023 3. Explosive licence No E/SC/KH/22/1730 dt 29/06/18 valid up to 31/3/2019 4. Blastman's certificate.	

ഓഫീസ് മുദ്ര

മനക്കാട്

സെക്രട്ടറി

ഗ്രാമപഞ്ചായത്ത്

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

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)

(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

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

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

अनुज्ञप्ति सं. (Licence No.) : E/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. Unit Granites & Metals, Vazhithala P.O., Thodupuzha,, Town/Village - Vazhithala, District-IDUKKI, State-Kerala, Pincode - 685588

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Proprietorship Firm**

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

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

Licence is valid only for the following purpose.

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

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

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	250 Kg.
2.	Detonators	6,3	0	5000 Nos.
3.	Safety Fuse	6,1	0	2000 Mtrs

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

20 times as above.

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

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

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1730
 : (E72220)
 दिनांक (Dated) 29/06/2018

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

Survey No. 357/3, Block No. 11, ग्राम (Town/Village) : **Manakkadan (y), Thodupuzha Taluk**
 जिला (District) **IDUKKI** राज्य (State) **Kerala** पिनकोड (Pincode) **685588**
 दूरभाष (Phone) इ. मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
 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. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों 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.

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CERTIFICATE LOST

It is notified for the information that my original certificate of Indian certificate of secondary education examination of year 2013 index no. T14377/111 issued by ICSE has been actually lost.

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PUBLIC NOTICE

NOTICE
 This is to inform to the General Public that, the proposed quarry project in Re-Survey Nos. 354/4, 354/5, 355/1pt., 351/1pt., 350, 352/1pt. of Shri. George Kochuparambil at Manalkkad Village, Manalkkad Grama Panchayat, Thodupuzha Taluk, Idukki District, Kerala is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 113/7 EC/SEIAA/KL/2017 dt. 17-03-2018 and the copy of the Environmental Clearance is available with the office of State Environment Impact Assessment Authority and may also be seen on the website of the Authority at www.seiaa.kerala.org

TENDERS

Chennai Port Trust Civil Engineering Department

Notice for e-tender cum e-Auction "Premises on Rent"

Tender No. T/ LBS4/10/18/E
 Bids are invited online under two cover system for "Allotment of Port Buildings / Lands in Rajaji Salai and shops at Tondiarpet Housing Colony on terms where the condition on Annual lease basis for a period of 10 years".

For details visit our website:
www.chennaiport.gov.in,
www.eprocure.gov.in
 Chief Engineer

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Head Office Complex, Vattiyorkavu, Thiruvananthapuram, Ph: 2365670, 2355415
e-TENDER NOTICE
 No. CapU/2167/18/MTL 10.04.18 e-Tender (Tender no. 363/18/MTL) is invited from the reputed firms for the supply of High Speed Inkjet Printer (1No.) through online vide e-tender id 2018 CAPT_200412_1. Due date & Time of tender/bid submission(online) 17.04.18 up to 15.00 Hrs. For detailed information log to the website:
<https://etenders.kerala.gov.in> &
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Directorate of Mining & Geology,
Kesavadasapuram, Pattom Palace.P.O.,
Thiruvananthapuram - 4.
Tel/Fax : 0471-2447429
e-mail: director.dir.dmg@kerala.gov.in
www.dmg.kerala.gov.in

No. 3576/M3/2018

Dated : 11/10/2018

From

The Director of Mining & Geology

To

✓ Shri. George Kochuparambil,
Proprietor, M/s. United Granites & Metals,
Vazhithala. P. O, Thodupuzha, Idukki

Sir,

Sub: Mines & Minerals-Minor Minerals-KMMC Rules 2015 & Kerala Minerals (PIMST) Rules, 2015-Registration of Metal Crusher Unit of by
Shri. George Kochuparambil, Proprietor, M/s. United Granites & Metals, Vazhithala. P. O, Thodupuzha, Idukki -reg.

- Ref:*
1. Lr. No. DOI/534/M/2018 dtd. 17/03/2018 of the Geologist, District Office, Idukki
 2. Reg.No. 56/2018-19/RMCU/IDKY/3576/M3/2018 dtd. 24/03/2018
 3. Lr. No. DOI/1485/M/2016 dtd. 10/10/2018 of the Geologist, District Office, Idukki.
 4. Pro. Order No.486/2018-19/3576/M3/2018/DMG dt. 11/10/2018.
 5. Revised Reg. No. 56/2018-19/RMCU/IDKY/3576/M3/2016 dt. 11/10/2018

I am forwarding herewith the Revised Registration Certificate issued in FORM-L of the KMMC Rules 2015 to Shri. George Kochuparambil, Proprietor, M/s. United Granites & Metals, Vazhithala. P. O, Thodupuzha, Idukki for the financial year 2018-19 based on your application for opting Consolidated Royalty Payment System. In order to obtain movement permits and mineral transit passes for transporting Granite aggregates from the Crusher Unit, you should produce before the Geologist all the documents required under Rule 49 of the KMMC Rules 2015 including **Explosive licence, consent from the Pollution Control Board, D & O licence from the Local Self Government Authorities.** You are exempted from obtaining registration under Kerala Minerals (PIMST) Rules, 2015. While obtaining mineral transit passes in Form O(A) or O(B) of Kerala Minerals (PIMST) Rules, 2015 you should ensure that the passes contain the particulars stipulated in Rule 26(1) & 26(2) of these rules especially name seal and signature of the issuing authority.

You are also instructed to maintain registers stipulated in these rules and you should submit these registers before the Geologist as and when Movement Permits

2

are issued. You are instructed to submit monthly return in Form-F and Annual statement in Form-G of the KMMC Rules without fail. You are further instructed to maintain a Register in the following manner showing the daily production and sales. The particulars in this register should be got verified by the office of the Geologist as and when movement permits are issued.

It is to be noted that though you have opted for Consolidated Royalty Payment System you shall not quarry more quantity of Granite (Building Stone) than what is stipulated in the approved plan, in a year.

REGISTER TO BE MAINTAINED BY A LESSEE SHOWING DAILY PRODUCTION AND SALES OF GRANITE BUILDING STONE.

Name of Lessee :

Lease No :

Registration No. (Revised) allotted to Metal Crusher Unit :

Date	Opening balance in tonnes	Quantity produced in tonnes	Total	Quantity sold in tonnes	Mineral Transit pass on issued Sl.No: ---- to ----	Closing balance in [MT]	Signature of the lessee
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

If you deviate from the instructions given above, this office will be forced to cancel the Registration granted to your Metal Crusher Unit.

YOU SHOULD REMIT QUARRY SAFETY FUND AS PER RULE 63 OF THE KMMC RULES 2015 AS DEMANDED BY THE GEOLOGIST.

Yours faithfully

For
11/05/2015

DIRECTOR OF MINING & GEOLOGY(I/C)

Copy to:-

The Geologist, District Office, Idukki
(for information and follow up actions)



FORM.L (REVISED)

(See rule 91)

**REGISTRATION CERTIFICATE ISSUED TO A REGISTERED METAL
CRUSHER UNIT**

Registration No. 56/2018-19/RMCU/IDKY/3576/M3/2018

Dtd. 11 /10/2018

The Metal Crusher Unit situated in Sy. No. 354/3 (Block No. 11) of Manakkad Village of Thodupuzha Taluk of Idukki District and owned by Shri. George Kochuparambil, Proprietor, M/s. United Granites & Metals, Vazhithala. P. O, Thodupuzha, Idukki has been registered in the Department of Mining & Geology under Rule 91 of the Kerala Minor Mineral Concession Rules, 2015 for the production and sale of aggregates of granite (building stones) by operating the machines noted below. The owner of the registered metal crusher unit has been granted quarrying lease in Re - Survey Block No. 11, Re - Sy Nos. 354/4, 354/5, 355/1pt, 351/1pt, 350, 352/1pt of Manakkad Village of Thodupuzha Taluk of Idukki District vide Pro. order noted below for the extraction of granite (building stones) to be used in the crusher unit.

Number and Description of Machines /Jaw Crusher units for which consolidated royalty is to be paid:	Cone crusher (180HP) - 1 No. (One Only)
The particulars of the , other machines, if any, used for crushing granite (building stone), in the crusher unit	Primary Crusher 35.2" x 26" -1No. (one only) VSI (Attached to the cone crusher) - 1No. (one only)
Particulars of quarrying leases based on which registration is granted	Pro. Order No. 451/2018-19/890/M3/2017/DMG dated. 01/10/2018 of the Director of Mining & Geology

This registration will be in force for the period from 11-10-2018 to 31-03-2019

Conditions for Registration

The registration certificate shall be displayed in a prominent place in a part of the premises open to the public.

The owner of the registered metal crusher unit shall comply with the provisions of the Mines and Minerals (Development and Regulation) Act, 1957

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and the Kerala Minor Mineral Concession Rules, 2015 and all other orders issued by the competent authority in this regard from time to time.

The owner of the registered metal crusher unit shall display in a prominent place in a part of the premises the true list of granite aggregates offered for sale by them.

Dated this the 11th day of October 2018

Sd/-

T. K. Ramakrishnan

Additional Director of Mining & Geology

Seal of the Competent Authority

To:

Shri. George Kochuparambil,
Proprietor, M/s. United Granites & Metals,
Vazhithala. P. O, Thodupuzha, Idukki

Copy to:

The Geologist, District Office, Idukki
Stock File, File

(Chalan No. KL012071428201218M dated 23/03/2018 for Rs. 4,00,000/- remitted at Sub Treasury, Thodupuzha, Idukki)

(By Order)

Handwritten signature and date
11/10/2018

Senior Superintendent





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TEST REPORT

Page 01 of 02

Ref.No. PL/RT/SW/9057/2018

Date of Issue: 25/10/2018

Name & address of customer

: Mr. George Kochuparambil
Kochuparambil House Vazhithala (P O)
Idukki, Kerala

Project Site

: Quarry Owned by Mr. George Kochuparambil
Re Survey No-354/4,354/5,355/1pt,351/1pt,
350,352/1pt
Village - Manakkad, Taluk - Thodupuzha,
District- Idukki, Kerala.

Sample description

: Water Sample

Location of sampling

: Pond Water

Date of sample collected

: 16/10/2018

Date of analysis started

: 17/10/2018

Date of completion of analysis

: 23/10/2018

Parameters tested	Test method	Result	Acceptable Limit as per IS 10500 - 2012
Color	IS 3025 (P) 04 - 1983 RA2017	12 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 - 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 - 1984 RA2017	6 NTU	1 NTU
pH	IS 3025 (P) 11 - 1983 RA 2017	6.12	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 16 - 1984 RA2017	49 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 - 1983 RA2014	17.4 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 - 1986 RA2014	10.2 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 - 1986 RA2014	BDL	Min 0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 - 1988 RA2014	8.96 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 - 1991 RA2014	6.32 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 - 1994 RA2014	2.14 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 - 2003 RA2014	0.79 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 - 1986 RA2009	6.32 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 - 2008 RA2013	BDL	1.0 mg/l

Note : BDL - Below Detection Level

For PoluChem Laboratories (P) Ltd.

Authorized signatory



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Page 02 of 02

Continuation of Test Certificate No: 9057/2018

Parameters tested	Test method	Results	Acceptable Limit 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	0.05 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	0.01 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/l
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	0.05 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	1 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	220	Shall not be detectable in 100 ml sample
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Shall not be detectable in 100 ml sample

For PoluChem Laboratories (P) Ltd.


Authorized Signatory.

End of the report

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



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TEST REPORT

page 01 of 01

Client Name & Address Mr. George Kochuparambil Kochuparambil House Vazhithala (P O) Idukki, Kerala	Certificate No:	PL/RT/SD/9056/2018
	Date of issue:	25/10/2018
	Date of monitoring	15/10/2018 12.00 Hrs to 16/10/2018 12.00 Hrs
	Monitoring Location	Quarry Owned by Mr. George Kochuparambil Re Survey No-354/4,354/5,355/1pt,351/1pt, 350,352/1pt Village -Manakkad, Taluk -Thodupuzha, District- Idukki, Kerala.
	Sample Description	Ambient Sound Level (Leq)

Monitoring Location	Time	Results
Near East Side Boundary	12.00 Hrs	51.2 dB (A)
	13.00 Hrs	52.3 dB (A)
	14.00 Hrs	50.2 dB (A)
	15.00 Hrs	52.3 dB (A)
	16.00 Hrs	49.8 dB (A)
	17.00 Hrs	47.6 dB (A)
	18.00 Hrs	46.2 dB (A)
	19.00 Hrs	43.3 dB (A)
	20.00 Hrs	40.2 dB (A)
	21.00 Hrs	39.8 dB (A)
	22.00 Hrs	37.4 dB (A)
	23.00 Hrs	39.8 dB (A)
	00.00 Hrs	37.4 dB (A)
	01.00 Hrs	36.4 dB (A)
	02.00 Hrs	39.8 dB (A)
	03.00 Hrs	40.2 dB (A)
	04.00 Hrs	41.3 dB (A)
	05.00 Hrs	43.6 dB (A)
	06.00 Hrs	45.6 dB (A)
	07.00 Hrs	46.3 dB (A)
08.00 Hrs	48.7 dB (A)	
09.00 Hrs	49.8 dB (A)	
10.00 Hrs	50.2 dB (A)	
11.00 Hrs	51.2 dB (A)	
Leq (Day time)		50.2 dB (A)
Leq (Night time)		35.6 dB (A)

For PoluChem Laboratories (P) Ltd.
Authorized Signatory

* End of the Report*



TEST REPORT


page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/9055/2018
Mr. George Kochuparambil Kochuparambil House Vazhithala (P O) Idukki, Kerala	Date of issue:	25/10/2018
	Date of monitoring	15/10/2018 12.00 Hrs to 16/10/2018 12.00 Hrs
	Date of sample received	16/10/2018
	Date of analysis Started	16/10/2018
	Monitoring Location	Quarry Owned by Mr. George Kochuparambil Re Survey No-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 client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limits as per NAAQS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 23 2006RA2012	50.8 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	CPCB	27.8 µg/m ³	60 µg/m ³
03	Sulphur dioxide	I S 5182 Part 2 2001 RA 2017	10.3 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	8.4 µg/m ³	80 µg/m ³

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

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

Duplicate II No. 2012/2018.

भारतीय गैर न्यायिक

I have satisfied myself that the original document has levied a stamp duty of rupees (1814500) Rupees Eighteen Lakhs Fourteen thousand and five hundred only on

14th day of October 2018 Sub Registrar M. Sakrikumar

INDIA NON JUDICIAL

കേരളം കേരल KERALA

LEASE DEED

G 057979

Lessee: George Kochuparambil



FORM H
(See Rule 43)

QUARRYING LEASE

This deed of lease made on this the 14th day of October 2018 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and **Shri. George Kochuparambil, aged 47 years, business, S/o Emmanuel K. George, residing at Kochuparambil House, Vazhithala. P.O., Manakkad Village, Thodupuzha Taluk, Idukki District - 685 583 (Aadhaar No. 9275 7836 6510)** (hereinafter called the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

Lessor

[Signature]
Dr. B. AJAY KUMAR
Geologist

Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha

Lessee



[Signature]
For M. K. M...
Stamp Vendor
Thodupuzha
5 OCT 2018

10/2/1048

4/10/2018 George Kochuparambil
S/o Emmanuel K. George, Kochuparambil

Witnesseth that in consideration of the rents and royalties and lessee's/Lessee's covenants, hereinafter reserved and contained the State Government hereby give on lease to the lessee/lessees the land measuring **12.2987 hectares** described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of **12 (Twelve) years** commencing from the 04th October 2018 and ending on the 03rd October 2030 for the purposes of extracting minor mineral/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing

1. The lessee/lessees shall have the right in and upon the said lands to extract Granite Building Stone (here in after called the said mineral/minerals) and to do all acts necessary for the extraction of the said mineral/minerals including the erection on the said lands, buildings and plant required for the purposes and also to take lead and carry away over the said lands and to dispose of the said minerals extracted as aforesaid.

2. The lessee/lessees shall during the subsistence of this lease have the liberty to work the said mineral/minerals and remove the same from the leasehold on permits issued by the State Government/competent authority or any other officer authorized by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in Schedule I to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.

3. The lessee/lessees shall pay to the State Government a yearly surface rent equal to the land revenue if any, assessable under the rules for the time being in force, or if the land be the property of Government or in reserve forest then equal to the land revenue plus cess, if any, per hectare of the land the surface whereof shall be occupied or used by the lessee/lessees for any of the purposes of this deed and so in proportion for any area less than one hectare. The said surface rent shall be paid by yearly payments; the first of such payments to be made on or before the last day of the first year of occupation provided always that no such rent shall be paid or demanded in respect of any roads or ways now in existence.

4. The lessee/lessees shall at all times during the currency of this lease keep correct and intelligible books of account showing accurately the quantity of the said minerals

Lessor



Dr. B. AJAY KUMAR
Geologist

Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha



Lessee

extracted and the weight and value of the said mineral sold or exported together with the names of the purchasers or consignees. The lessee shall also maintain a register of employees showing therein separately men, women employed daily and shall at reasonable times allow the competent authority appointed under the rules (hereinafter referred to as "competent authority") or the officer authorised by him to examine the said books of account and the register of employees and to take copies and extracts there from. The lessee/lessees shall submit reports in Forms F and G on the specified dates.

5. All sums found due under or by virtue of this deed from the lessee/lessees may be recovered from him jointly and severally from them and his/their properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue or in any other manner as the State Government may deem fit.


6. The lessee/lessees shall at the lessee's/lessees' own expense erect and at all times maintain and keep in repair boundary marks and pillars along the boundaries of the said lands according to the demarcation shown in the plan here to annexed.

7. The lessee shall not carry on or allow to be carried on any quarrying operations at or to any points within a distance of 100 metres from any railway line except with the previous written permission of the railway administration concerned and any bridge on National Highway or 50 metres from any reservoir, tanks, canals, rivers, bridges, public roads, other public works, residential buildings, the boundary walls of places of worship, burial grounds, burning ghats or one kilometer from the boundaries of National Park or Wildlife Sanctuaries except with the previous permission of the authorities concerned or the Government or competent authority.

8. The sides of open workings shall be sloped, stepped or secured by the lessee in such a manner as to prevent slope failure, when an open working is worked in steps, steps shall be of sufficient breadth in relation to their height to secure safety. In open workings trees liable to fall and all loose ground and material shall be removed by the lessee sufficiently far from the edge or otherwise made source in order to prevent danger to persons employed in the quarry.

9. If a working place is found to be unsafe all persons shall be withdrawn by the lessee/lessees immediately from the dangerous area and all access to such working

Lessor


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District Office - Idukki
Mini Civil Station
Thodupuzha


Lessee

place except for the purpose of removing the danger of saving life shall be prevented by securely fencing the full width of all entrances to the place.

10. The lessee/lessees shall at all reasonable times allow any officer authorised by the Central Government or by the State Government in that behalf to inspect the said lands and the buildings and plants erected thereon and the lessee/lessees shall assist such persons in conducting the inspection and afford them all information they may reasonably require, and shall conform to and observe all orders which the Central and State Governments as the result of such inspection or otherwise, may from time to time pass.

11. The lessee shall be responsible for implementing the provisions of the Various labour laws applicable, from time to time, to the quarry.

12. The lessee/lessees shall not assign or underlet the said lands or any part thereof or the rights or privileges, therein hereby granted or any of them without the previous permission in writing of the State Government / competent authority.

13. Where the lease or any right, title or interest therein has been assigned, sublet or transferred as provided in rule 45 read with condition 12, then the person in whose favour such assignment, sublease or transfer has been made shall be responsible for implementing the provisions of the various labour laws applicable, from time to time, to the quarry.

14. The lease may be surrendered by the lessee/lessees at any time after 3 months notice in writing to the State Government/competent authority provided the lessee/lessees has/have paid all sums due on account of the lease: Provided that if the lessee/lessees elects/elect to determine this lease before the expiry of the term of the lease, shall pay in addition to other dues a sum equal to the dead rent payable for the remaining part of the term of the lease deed.

15. If the lessee/lessees shall be desirous of taking a further lease of the said lands he/they shall give three months' previous notice in writing of such desire to the State Government/competent authority and if the lessee/lessees has/have duly observed all the conditions of this lease, the State Government/competent authority may agree to renew the lease for such further term and on such terms and conditions as the State Government/competent authority may determine which shall be in accordance with the provisions of these rules.

Lessor



Dr. B. AJAY KUMAR
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Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha

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16. If the lessee/lessees shall at any time during the said term use the said lands or any part thereof in any manner other than as authorised by this lease or fail to carry on quarrying operations continuously without sufficient cause of which the State Government/competent authority shall be the judge or shall commit a breach of any of the conditions of this lease it shall be lawful for the State Government/competent authority to cancel this lease and take possession of the said lands or the alternative to receive from the lessee/lessees such penalty not exceeding Rs. 25,000/- (Rupees twenty five thousand only) for the breach as the State Government/competent authority may fix.

17. If at the expiration of three calendar months after the expiry of the lease or its sooner determination, there shall remain in or the said lands, any engines, machinery, plant buildings, structures and other works, erections and conveniences, the said minerals or other property which the lessee is/lessees are entitled to remove from the said lands, the same shall, if not removed by the lessee/lessees within one calendar month after notice in writing requiring their removal be given to the lessee/lessees by the State Government/competent authority be deemed to become the property of the State Government in such manner as they may deem fit without liability to pay any compensation or to account to the lessee/lessees in respect thereof.


18. This lease subject to all rules and regulations which may from time to time be issued by the State Government regulating the working of the quarries and other matters affecting safety, health and convenience of the lessee's/lessees' employees or of the public, whether under the Indian Mines Act or otherwise.

19. The lessee/lessees shall without delay send to the District Collector and the competent authority or the officer authorised by him in this regard report of any accident causing loss of life or serious bodily injuries or seriously affecting or endangering life or property which may at any time occur at or in the said lands in the course of operations under this lease.

20. The lessee/lessees shall furnish such reports and returns relating to output, labourers employed and other matters as the State Government may prescribe.

21. The lessee/lessees shall make and pay such reasonable compensation as may be assessed by lawful authority in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by him/them in exercise of the

Lessor


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Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha

Lessee



powers granted by this lease and shall indemnify and shall keep indemnified fully and completely the State Government against all claims which may be made by any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.

22. Any condition prescribed in the Kerala Minor Mineral Concession Rules, 2015 but left out in this lease which may be found applicable to the lessee / lessees shall be treated as binding on the lessee/lessees.

23. In this case, the anticipated royalty to be remitted for the mineral extracted per year at the present rate of royalty of Rs. 24/- per tonne with proposed average annual production of 4,00,000 tonne is Rs. 96,00,000/- (Rupees ninety six lakhs only).

24. In this case, the surface rent to be remitted per year at the present rate of Rs. 5/- per Are per year is Rs. 6,149/- (Rupees six thousand one hundred and forty nine only) and the refundable Security Deposit is Rs. 1,22,987/- (Rupees one lakh twenty two thousand nine hundred and eighty seven only).


SCHEDULE OF DESCRIPTION OF LAND

District	:	Idukki		
Taluk	:	Thodupuzha		
Village	Re-Survey Block No.	Re-Survey No.	Lease Area in Hectares	
Manakkad	11	354/5	1.6200	
- Do -	11	354/4	2.2268	
- Do -	11	355/1pt	0.4168	
- Do -	11	351/1pt	5.0379	
- Do -	11	350	1.6640	
- Do -	11	352/1pt	1.3332	
Total Area in Hectares			12.2987	

Bounded by Survey No:

On the North by : Re - Survey Nos. 354/5, 352/1
On the East by : Re - Survey Nos. 352/4, 352/2, 352/3
On the South by : Re - Survey Nos. 351/1, 355/4, 355/1
On the West by : Re - Survey No. 354/5.


Lessor


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Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha


Lessee

In witness whereof the parties hereto have set their hands here unto on the day and year first above written.

Signed by.....
for and on behalf of the Governor of Kerala.



Dr. B. AJAY KUMAR
Geologist
Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha

In the presence of

(1) Ajeesh P.A, Asst. Geologist, Mining & Geology
District office, Thodupuzha


24.10.2018

(2) K.V. Michael, Mineral Revenue Inspector
Mining and Geology, Dist office, Thodupuzha


24.10.18

Signed by.....
 George Kochuparambil

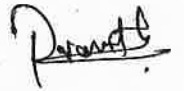
for and on behalf of the lessee/lessees

In the presence of

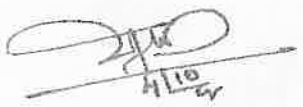
(1) Joseph K.Y, Raippakasseril Manakkal. P.O



(2) Prasanth, P.P, Pattarumadathil (CH), Kaloos P.O,



Lessor


Dr. B. AJAY KUMAR
Geologist
Dept. of Mining and Geology
District Office - Idukki
Mini Civil Station
Thodupuzha

Lessee



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.

1	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
5	Local Body	MANAKADU PNCHAYATH
6	Survey Number	351/1 pt,354/4,354/5,355/1pt,352/1pt,350
7	Village	MANAKKAD
8	Taluk	THODUPUZHA
9	District	IDUKKI
10	Capital Investment(Rs in Lakhs)	1200
11	Scale	Large
12	Category	RED
13	Annual fee(Rs)	Rs. 81000
	Total Fee remitted(Rs)	Rs. 405000/-
14	RAW MATERIAL	PRODUCTS
	ROCK/Y @400000 Métric Tonnes	STONE AGGREGATES/Y @400000 Metric Tonnes
15	Total Power Required (HP)	

2. CONDITIONS AS PER

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

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

Sl.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent:

3. CONDITIONS AS PER

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

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

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

3.2 Emission characteristics shall not exceed the following:

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

4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

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

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

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

4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

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

SI.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year

Mode of	
Storage	Disposal

4.4 E-waste shall be disposed off safely as per the E-Waste (Management)Rules, 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 $\mu\text{g}/\text{m}^3$.

5.13 The PM2.5 in ambient air at the boundary shall not exceed 60 $\mu\text{g}/\text{m}^3$.

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 suppressed.

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.

DATE :16/07/2018

BAIJU M A
SIGNATURE & SEAL OF ISSUING AUTHORITY

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



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 krocmmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

Additional information



Tar road connecting crusher and quarry

Annexure 8A Image 2



Trees are planted on the slope of road.



Top soil preserved 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



**ARRANGEMENT OF TARRED ROAD TO THE
WORKING POINT.**

**UNITED GRANITES AND METAL
QUARRY RESTRICTED 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.**

UNITED GRANITES AND METAL



**PLANTATION WORK FUNCTION
ORGANIZED BY THE COMPANY
PRESIDENT OF MANAKKAD VILLAGE
PANCHYAT PLANTING TREES**

UNITED GRANITES AND METAL



**GOVERNMENT OFFICIALS PARTICIPATED
IN THE AFFERESTAION ACTIVITES OF
COMPANEY.**



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

UNITED GRANITES AND METAL



**ENVIRONMENTAL WEEK
CELEBRATIONS
CHIEF GUEST PANCHAYAT
MEMBER**

UNITED GRANITES AND METAL

BLASTING TIMING BOARD



**INTIMATION OF BLASTING
HOURS**

UNITED GRANITES AND METALS



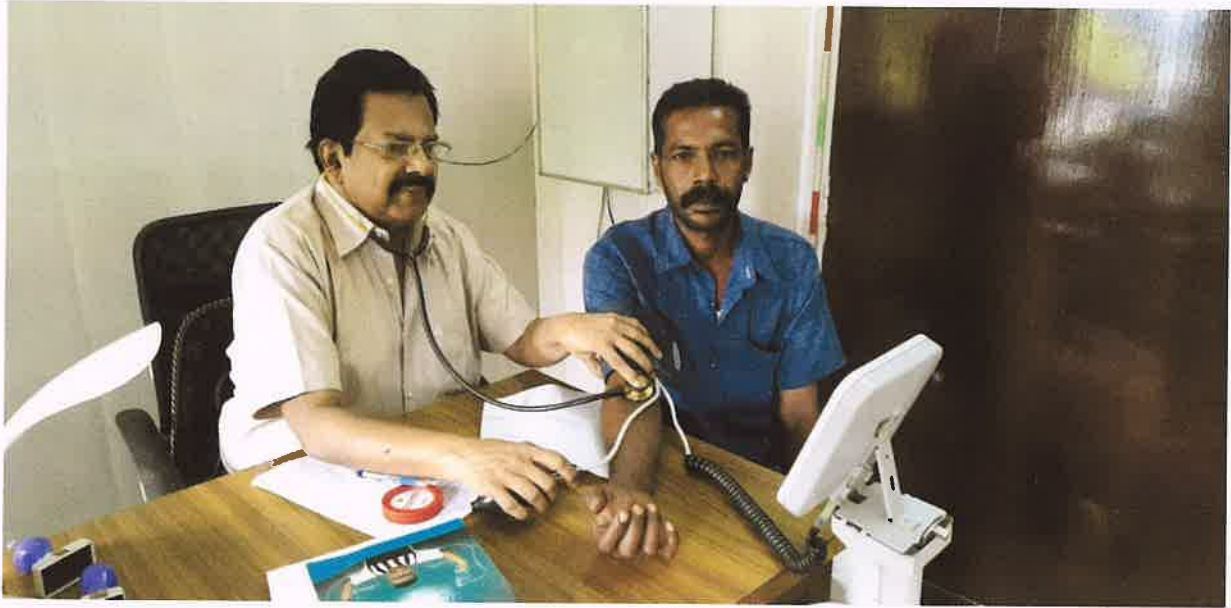
OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME

UNITED GRANITES AND METALS



OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME

UNITED GRANITES AND METALS



OCCUPATIONAL HEALTH SURVEILLANCE PROGRAMME

UNITED GRANITES AND METAL

SWATCH BHARTH MISSION

