



ENVIRONMENT CLEARANCE COMPLIANCE REPORT (OCTOBER 2018-MARCH 2019)

for

***GRANITE BUILDING STONE QUARRY
(Minor Mineral)***

Extent: 4.5180 Ha. (11.1639 Acres)

At

Re- Sy No.	:	275/1A
Village	:	Tripangottur
Taluk	:	Thalassery
District	:	Kannur
State	:	Kerala,

'Granite Building Stone Quarry of Mr. Jovin George.'
E.C.No:154/ECA/KNR/2018/DEIAA



Compliance Status of the General Conditions for Mining Projects Laid down by the State Environment Impact Assessment Authority, Kerala vide their Environment Clearance No.170/2018 dated: 19/05/2018.

SPECIFIC CONDITIONS

Sl.No	Condition	Status of Compliance
1	A Mines Manager shall be appointed to control, direct, manage and supervise Quarrying Operations as required under the Mines Act 1952.	A Permit manager is appointed to supervise Quarrying Operations.
2	Health and welfare measures for the persons employed shall be implemented.	Health and welfare measures for the employees is being implemented.
3	Controlled blasting should be practiced, and blasting should be done only during day time. The mitigating measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.	All precautionary measures are adopted while blasting operations are carried out. I. No secondary blasting like Pop Shooting or Plaster Shooting are undertaken for breaking down large boulders, to avoid Air Blast and Fly Rocks. Only rock breakers will be used for breaking down bigger boulders. II. Additional precaution of controlled blasting with sand bags and wire mesh/blasting pads are used so that there are no fly rocks from the blast
4	Plantation shall be done which includes a green belt of adequate width around the Mining Lease area excluding the rocky area, along roads, overburden dumps and non-mineralized area by planting suitable native species in consultation with the local DFO/ Agriculture Department.	A green belt of a width of 7.5 mts has been made along the periphery of the Lease area by planting local species saplings. Plantation at other places will be undertaken in a phased manner after starting Quarrying operations.
5.	The drains should be regularly desilted and maintained properly. Check dams and gully checks shall be constructed wherever required to arrest siltation. De siltation shall also be done every year before the onset of monsoon.	All civil structures made for arresting silt will be de silted before onset of Monsoon.
6	Fencing must be maintained properly all around the lease area.	The entire lease area is fenced and is well maintained.
7	The CSR should cover the felt needs of the locality with special emphasize for implementing ground water recharging techniques in and at the vicinity of the proposed site.	CSR works is presently implemented. Balance works will be taken up in due course of time.
8	Appropriate sign boards should be displayed	Signboards have been displayed. (Photos are attached as Annexure-1)

9	The blasting time must be displayed and strictly adhered to.	Blasting time is displayed.
10	Dust suppression mechanism must be in place.	Water tankers with sprinklers are in use.
11	A separate small plot to be maintained in the premise to preserve rare and endemic species, if any, listed in the bio diversity assessment, etc.	No rare and endemic species is present in the lease area.
12	The PPV values must be less than 10 mm/sec.	PPV values will be kept below 10 mm/sec.
13	The green belt shall be provided along the periphery.	Green belt of 7.5 mts width has been provided along the periphery of the lease.
14	Where the height of the bench formed during earlier workings exceeds the maximum reach of the excavator engaged for work, such bench height shall be reduced from top to bottom.	Height of benches will be maintained as specified in the approved Mining Plan.
15	Loose or hanging rock or mineral boulder on the side wall shall be dressed down before engaging persons for work at the bottom of the bench.	Benches will be properly dressed by excavators or by manual means.
16	Permanent boundary pillars should be fixed by the proponent before commencing quarrying.	Permanent boundary pillars have been fixed.
17	No quarry blasting to be undertaken and sustained till warning time limit expires and/or when continuous 48 hours rainfall exceeds 8cms and blasting shall not be resumed until 24hours of rain free situation arises in the quarry locality based on the evaluation by the revenue officials.	Agreed.
18	All waste dumps and top soil dumps shall be properly stabilized using coir mats or bio regeneration. Proper drainage system shall be provided so that water is properly diverted away from the dumps slopes with no disturbance to the stability of the slopes.	Coir mats shall be used to cover waste dumps. Proper drainage system shall be provided so as to avoid destabilizing of dumps.
19	All dump slopes shall be sufficiently stabilized by using appropriate species mix of grass, creepers, shrubs and trees. This shall be done in consultation with the Forest department and local research institutes and experts I stabilization of mine dumps.	All dump slopes will be stabilized as specified.
20	Garland drains of at least 2 mts width shall be provided all along 7.5 mts buffer zone to divert the water from entering the Quarry slopes. These drains shall be	Garland drains of 2 mt width will be constructed.

	cleaned every year before the monsoon season	
21	The water from the garland drainage shall be directed to the silt settling ponds. The clarified overflow from the silt settling ponds shall be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural water course.	Only clear natural water is let out into the natural water course.
22	A retaining wall of stone rubble with wire (2 mt) shall be constructed at the bottom of the slope of the Quarry lease to arrest any likely mesh of sufficient width and strength (not less than roll of boulders during heavy rainfall.	Will be constructed.

GENERAL CONDITIONS OF HEALTH

Sl.No.	Conditions	Status of compliance
1	First Aid kit provided in the work site. It shall be periodically maintained properly. Some labourers shall be trained on First Aid.	First Aid kits are provided in the work site and key personnel will be trained to render first aid in case of emergencies.
2	Wholesome drinking water should be provided.	Wholesome potable drinking water is provided
3	Premises should be maintained as wet to suppress the dust.	Dust will be suppressed at the source.
4	Sanitary type of latrines and urinals should be provided.	Latrines and urinals are provided.
5.	Resting place to be provided for workers	Resting place is provided to workers.
6	'No Smoking' board should be exhibited according to COTPA act.	'No Smoking' board is exhibited.
7	Work should not be done in night.	Work is done only during day light.
8	Details of nearest hospital, shortest route to hospital and contact no. etc. should be available	Emergency contact numbers of Key persons, Hospitals, police station, etc. is prominently displayed.
9	Approach roads should be maintained properly	Approach roads are well maintained.

GENERAL CONDITIONS

Sl.No	Condition	Compliance Status
1	Rainwater harvesting facility should be installed as per prevailing provisions of KMBR/KPBR, unless otherwise specified.	Not Applicable. No permanent structures constructed within Mining Lease.
2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environmental Monitoring Cell has been formed and is headed by Mr. C.G. George
3.	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including approach roads and internal roads.	Local species saplings procured from Forest department and planted before onset of monsoons.
4	Maximum Possible Solar Energy generation and utilization shall be ensured as an essential part of the Project.	Mine operates only during daylight hence there is no need for any additional lighting.

5	Sprinklers shall be installed and used in the Project Site to contain dust emissions.	Water tankers with sprinklers are in use.
6	Eco-restoration, including the Mine Closure Plan shall be done at the own cost of the Project Proponent.	Agreed.
7	At least 10 per cent of total excavated Pit area should be retained as water storage area 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 the Pit is stipulated in the EC.	Agreed.
8	Corporate Social Responsibility (CSR) agreed upon by the Proponent should be implemented.	We have implemented CSR activities. The balance agreed commitments and will be undertaken shortly.
9	The Lease area will be fenced off with barbed wires to a minimum height of 4 ft around, before starting of Mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.	Lease area is fenced off. Sign boards have been erected at prominent places.
10	Warning alarms indicating the time of Blasting (to be done at specific timings) has to be arranged as per stipulations of the Explosives department.	Necessary precautions while blasting is taken.
11	Control measures on noise and vibrations prescribed by KSPCB should be implemented	Noise and vibrations are kept within KSPCB prescribed norms. I. Use of sharp drilling, delivery of compressed air at optimal pressure. II. Proper maintenance of compressor, drilling machine, jackhammers and tipper trucks. III. Regular monitoring of noise levels are being done within the core zone and the buffer zone of the mining lease area.
12	Quarrying activities should be limited to daytime as per KSPCB guidelines/specific conditions.	Quarrying activities limited to daytime.
13	Blasting should be done in a controlled manner as specified by the regulations of the Explosives department or any other agency.	Blasting is done in a controlled manner and is done technically as prescribed by the mining statutes. Only a small diameter drill holes of 33/48mm diameter with 25mm cartridges slurry/ emulsion explosive are used for blasting, no large diameter holes are proposed for blasting. With optimum blast design, effective blasting techniques with delay detonators and low charges per delay, care has been taken to limit the blast vibrations and the PPV value

		below 10mm per second.
14	A licensed person should supervise/control the Blasting Operations	Blasting supervision and control is done by a Mining Official having DGMS Certificate.
15	Access road to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Access road to the Quarry is tarred.
16	Overburden materials should be managed within the site and used for reclamation of Mine Pit as per Mine closure Plan/specific conditions	Overburden material is used for road making and as a filler along the Green Belt for plantation purpose.
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 conditions	Agreed.
18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided	Controlled blasting technique is adopted. PPV is kept to a minimum. Delay detonators are used.
19	Maximum depth of Mining from general ground level at site shall not exceed 10 m	Agreed.
20	No Mining operations should be carried out at places having a slope greater than 45°	Agreed.
21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow bricks envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Crusher unit is not installed within Mining Lease.
22	The workers on the site should be provided with the required protective equipment such as ear muffs helmet, etc.	Requisite Personal Protective equipments (PPE's) is provided as required to all employees.
23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Garland drains are constructed
24	The transportation of minerals should be done in covered trucks to contain dust emissions.	All trucks transporting material are covered by firmly tied tarpaulin
25	The proponent should plant trees at least 5 times the loss that has been occurred while clearing the land for the project.	Local species saplings have been procured from the Forest dept, Kannur
26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Spent oil is reused as a lubricant for drilling.
27	Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.	Explosives is stored in a Licensed Explosives Magazine, which is approved by PESO. (Copy of the Explosive license is attached as Annexure-2)
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 dwellings are situated within 100 M from the boundary of the quarry.
29	100 M buffer distance should be maintained from forest boundaries	Mining area is not located near any forest areas.

30	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.	Consent from KSPCB under Air and Water Act(s) is obtained.
31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competitive authorities including that for blasting and storage of explosives.	All statutory clearances obtained. The DGMS permission is under process.
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 environment parameters/impacts as assessed, based on which only the EC 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.	In case any change is required, a fresh appraisal will be submitted for obtaining Approval from the Authority.
33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environmental Clearance under provisions of the Environment (Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed.

34	The stipulations by the Statutory Authorities under different Acts and Notifications should be complied with including the provisions of the 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	Agreed.
35	The project proponent should advertise in at least 2 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 Environment Clearance and the copies of the 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	Advertisements informing EC accordance to the Project is done in 2 no's newspapers.

	date of receipt of the clearance letter and a copy of the same signed in all the pages should be forwarded to the Office of this Authority as confirmation	
36	A copy of the clearance letter shall be sent by the proponent to the concerned Gram 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 Clearance is submitted to the Pattiam Gram Panchayat on.
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 the MOEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office	Half yearly reports will be submitted as stipulated.
38	The details of Environment Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times Roman font of size 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	Details of Environmental Clearances are prominently displayed at the entrance to the Mine. (photo of the sign board is Attached as Annexure-1)
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.	Provided.
40	No change in mining technology and scope of working should be made without prior approval of the SEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Prior approval from the SEIAA will be sought in case of change of mining technology.
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	No natural water course is obstructed. Necessary safeguard measures will be taken to protect first order streams if originating from the mining lease in the future.

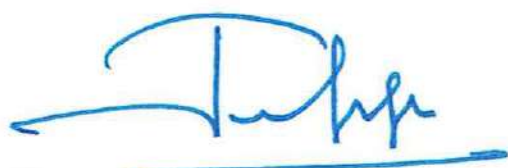
	be taken.	
42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Monitoring of Ambient Air Quality will be carried out. Water sprinkling will be done at all places appropriately.
43	The top soil, if any, shall be 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 the width 20 m 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 should continue until the vegetation becomes self-sustaining	Available top soil will be used at the Green belt for plantation. OB generated is used for plantation purposes along the Green/Safety zone.
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 de silted particularly after monsoons and maintained properly	Catch drains are made along the periphery of the mining lease.
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 PM10 and PM2.5 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.	Regular water sprinkling is done on haul roads with water tankers.
46	Fugitive dust emissions from all sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and transfer points should be provided and properly maintained.	Fugitive dust emissions is controlled.
47	Measures should be taken for control of noise levels below 85 dB(A) in the work environment.	Adequate measures for noise control is adopted.
48	A separate environmental management cell	An Environment Management Cell is set

	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.	up under the control of the Mines Manager.
49	The funds earmarked for environment protection measures and CSR activate should be kept in a 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.	Funds earmarked for environment protection measures and CSR will be made available.
50	The Regional Office of MOEF and CC located in Bangalore shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the Officer(s) if the Regional Office by furnishing the requisite data/information/monitoring reports.	We will extend full cooperation to any officer(s) from the Regional Office during his/their visit. All available data will be provided.
51	Any appeal against the Environment 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	Agreed.
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 provisions of the Environment (Protection) Act, 1986.	Factual and true data will be submitted.
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 the environment protection	Agreed.
54	The above conditions shall prevail notwithstanding anything to the contrary, inconsistent or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Agreed.
55	The order is valid for a period of 5 years of the expiry date of Mine lease period issued by the Government of Kerala, whichever is earlier	Agreed.
56	The Environment Clearance will be subject to the final order of the courts in any pending litigation related to the land or the project, in any court of law.	Agreed.
57	The Mining operations shall be restricted to above ground water table and it should not intersect ground water table.	Mining operations will be restricted to above ground water table and due care will be taken so as not to intersect

		ground water.
58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking center. Washing of all vehicles shall be inside the Lease area	Will ensure that all transportation vehicles have PUC issued by an authorized Pollution checking center.
59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of necessary quantity of surface and ground water for the project.	Agreed.
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	No perennial nallah flows through the lease or exist around the Mine Lease.
61	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance will be undertaken.

Note: Mining/Quarrying Operations have not started as Execution of Lease deed is yet to be done.

For 'Granite Building Stone of Mr.Jovin George'

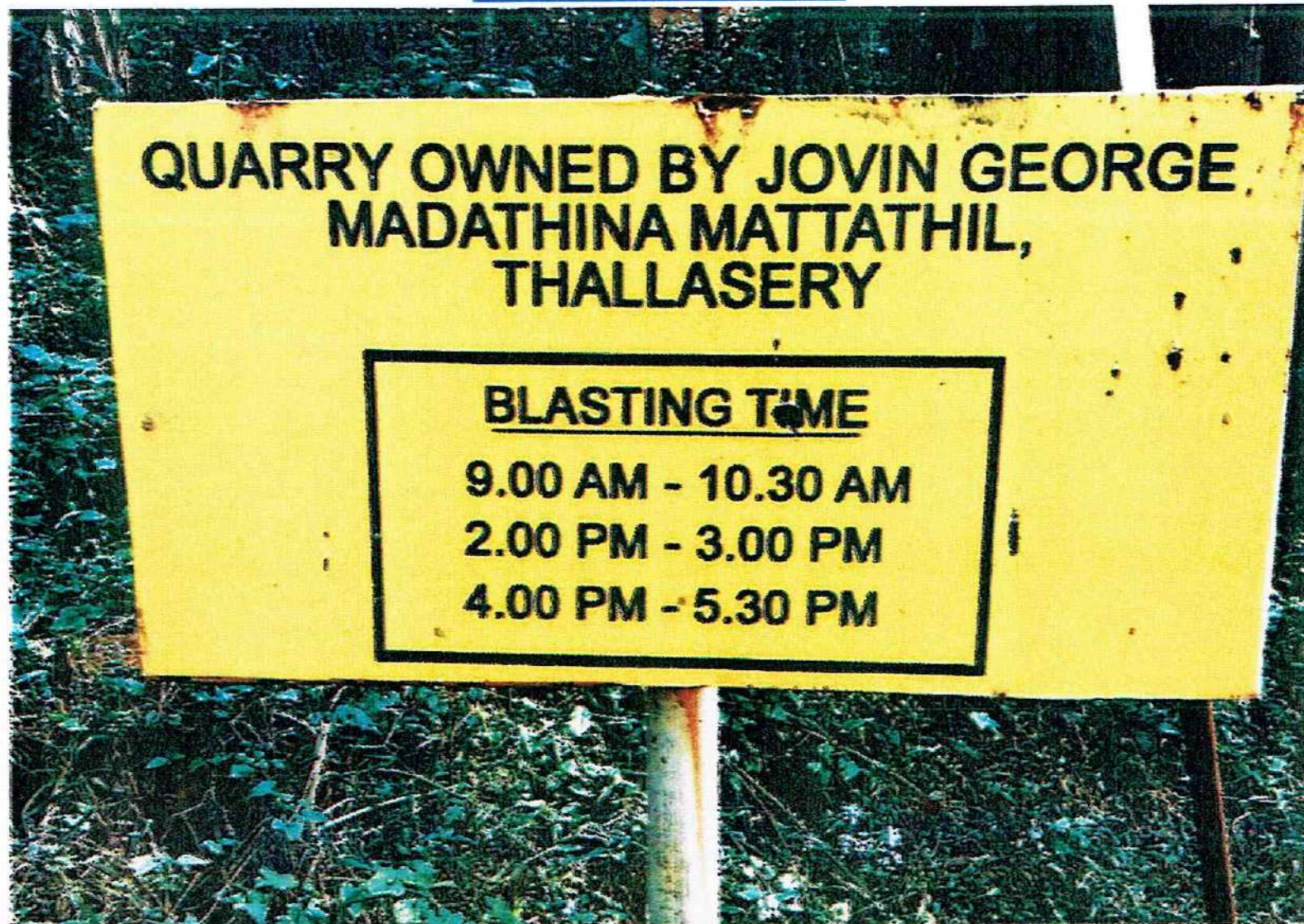


(Mr.Jovin George)

Owner

Date: 05.06.2019

SIGN BOARDS





Annexure-2



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

संख्या (No.): E/SE/KL/22/18(E85231)

दिनांक (Date): 23/10/2018

सेवा में | To,

2 NOV

JOVIN GEORGE,
Madathinamattathil House, Palisseri, Thalassery P.O., Thalassery, Kannur, Town/Village - Palisseri
District-KANNUR, State-Kerala, Pincode - 670101

विषय : Survey No.275/1A, ग्राम Tripangottur, जिला KANNUR, राज्य Kerala में मेसर्स JOVIN GEORGE द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SE/KL/22/18(E85231) के संशोधन संदर्भ में।
(विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:275/1A, Tripangottur, Dist. KANNUR, Kerala -Licence No.: E/SE/KL/22/18(E85231) granted in Form LE-3 of Explosives Rules, 2008 -
(Amendment of Quantity of Explosives/Monthly Purchase Limit).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 23/10/2018 का संदर्भ ग्रहण करें।
Please refer to your letter no. Nil dated 23/10/2018.

अनुज्ञप्ति संख्या E/SE/KL/22/18(E85231) विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन के संदर्भ में यथा संशोधित कर भेजी जा रही है।
The Licence No.: E/SE/KL/22/18(E85231) is forwarded herewith duly amended in respect of followings ;
Quantity of Explosives/Monthly Purchase Limit

किसी भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।
The licence capacity at any one time shall not exceed the kinds and quantities mentioned below ;

संख्या	विस्फोटक	वर्ग	प्रभाग	उप-प्रभाग	क्षमता	इकाई
No	Explosive(s)	Class	Div	Sub Div	Capacity	Unit
1	Nitrate Mixture	2	0	0	125	Kg.
2	Safety Fuse	6	1	0	2000	Mtrs
3	Electric and/or Ordinary Detonators	6	3	0	3000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) : 25 गुना
Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 25 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2019 तक प्रवृत्त रहेगी।

Annexure-2

This Licence shall remain valid till 31st day of March 2019.

आपके खाते में रुपय 700/- की राशि शेष है जो इस संदर्भ को उद्धृत करते हुए भविष्य के संव्यवहार में समायोजित की जा सकती है।

An amount of Rs. 700/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

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

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

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

उप मुख्य विस्फोटक नियंत्रक
कोच्चि Ernakulam
Deputy Chief Controller of Explosives
Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. District Magistrate, KANNUR, Kerala with reference to his Noc No: DCKNR/7226/2017-D1 Dated: 28/06/2017
2. Superintendent of Police, KANNUR, Kerala.

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of
Explosives
कोच्चि 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>)

Annexure-2

2. अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।
Conditions and Additional Conditions of this licence signed by the licensing authority.
3. दूरी 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 - 05/03/2015

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/03/2016
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 08/08/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/10/2018

Transfers :

- Change in Licensee Name/Address/Status dated : 10/07/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
Ernakulam

नवीकरण की तारीख
Date of Renewal

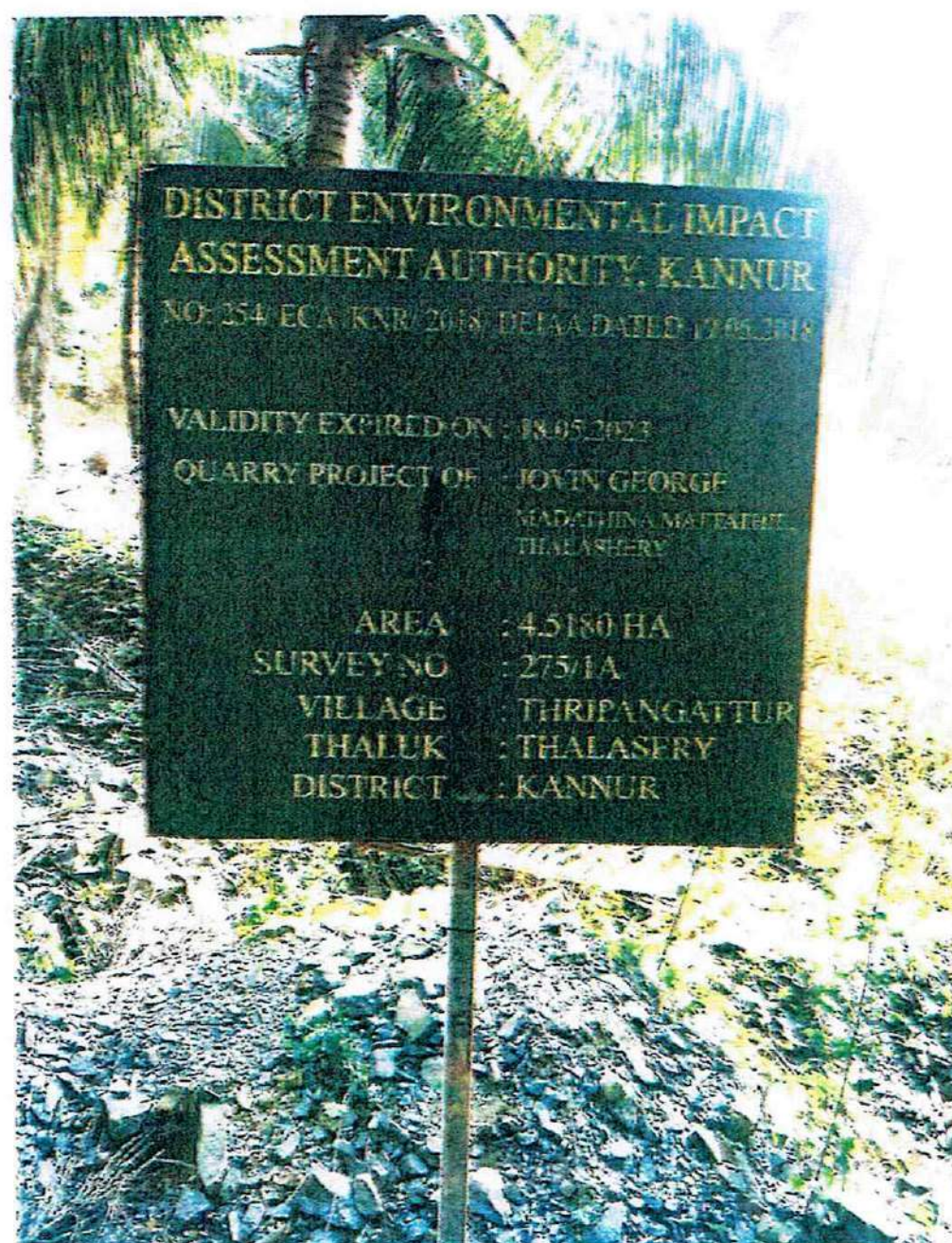
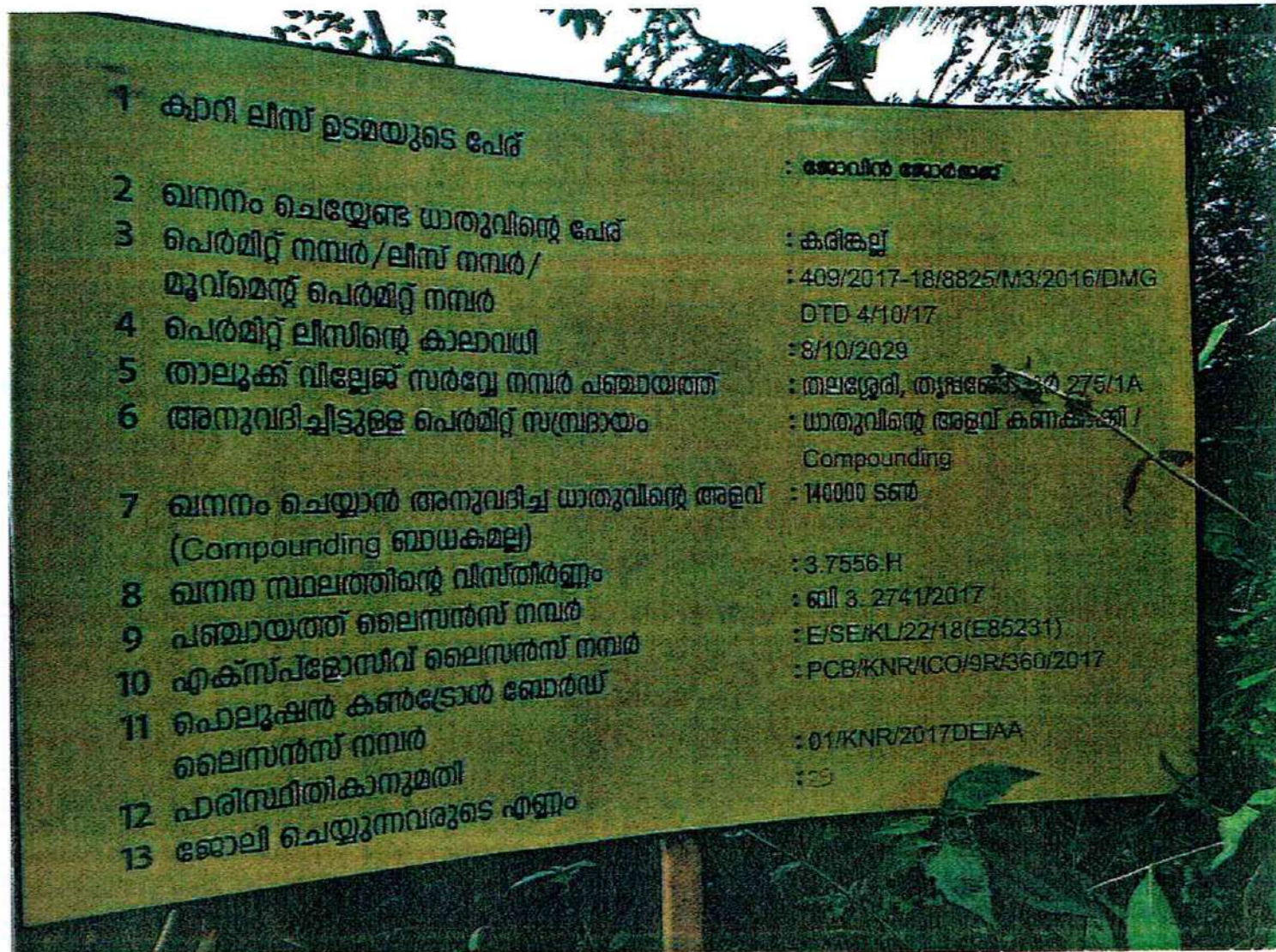
समाप्ति की तारीख
Date of Expiry

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

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

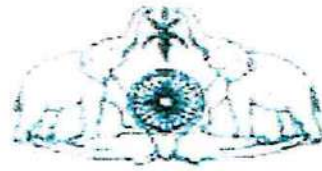
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

EC BOARDS



Monitoring Photos and Report





Annexure-5

തൃപ്രങ്ങോട്ടൂർ ഗ്രാമപഞ്ചായത്തിൽ നിന്നും
1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232,233,234,254 എന്നീ
വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നൽകുന്ന
ഡി & ഒ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും : ജോവിൻ ജോർജ്ജ്
മേൽവിലാസവും : മടത്തിനാമറ്റത്തിൽ,
പാലിശ്ശേരി, തലശ്ശേരി (പി.ഒ)
570101

സ്ഥാപനത്തിന്റെ പേരും : റി.സ 275/1എ
സ്ഥലനാമവും : നരിക്കോട്ട് മല

ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ : കരിങ്കൽഖനനം നടത്തുന്നതിന്

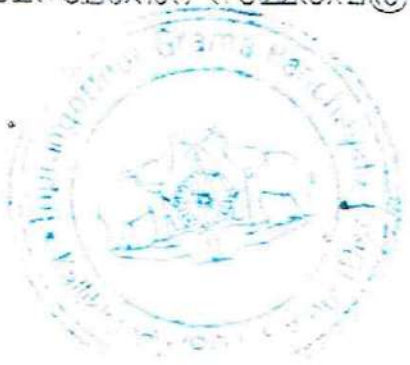
കെട്ടിട,നമ്പരും വാർഡ് : റി.സ 275/1എ
നമ്പരും : നരിക്കോട്ട് മല

ലൈസൻസ് കാലയളവ് : 01/04/2018 മുതൽ 31/03/2019 വരെ

ഈടാക്കിയ ലൈസൻസ് ഫീസ് : 5000/-

ലൈസൻസ് അനുവദിക്കുന്നതിനായി
ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ
(നമ്പർ,തീയതി,കാലയളവ്,നൽകിയ അധികാര സ്ഥാനം)

1. ഡിസ്ട്രിക്ട് എൻവയോൺമെൻറൽ ഇംപാക്ട് അസസ് മെൻ്റ് അതോറിറ്റി യുടെ 22/05/2017തീയതിയിലെ **01/KNR/2017/DEIA** നമ്പർ അനുമതി, ഡിസ്ട്രിക്ട് എൻവയോൺമെൻറൽ ഇംപാക്ട് അസസ് മെൻ്റ് അതോറിറ്റി യുടെ 19/05/2018 തീയതിയിലെ **154/ECA/KNR/2018/DEIAA** നമ്പർ അനുമതി.
2. കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡിൻ്റെ 19/06/2018 ലെ **PCB/KNR/ICO-R/360/2017** നമ്പർ അനുമതി.
3. മൈനിംഗ് ആൻ്റ് ജിയോളജി ഡിപ്പാർട്ട്മെൻറിൽ നിന്നും 04/10/2017 **409/2017-18/8825/M3/2016/DMG** നമ്പർ ലൈറ്റർ ഓഫ് ഇൻ്റൻ, മൈനിംഗ് ആൻ്റ് ജിയോളജി ഡിപ്പാർട്ട്മെൻറിൽ നിന്നും 09/04/2018 **3326/M3/2018** നമ്പർ ലൈറ്റർ ഓഫ് ഇൻ്റൻ
4. ചീഫ് കണ്ട്രോളർ ഓഫ് ഏക്സൈസിങ് അധികൃതരുടെ അനുമതി.
5. തൃപ്രങ്ങോട്ടൂർ വില്ലേജ് ഓഫീസറുടെ കൈവശാവകാശ സർട്ടിഫിക്കറ്റുകൾ
6. തൃപ്രങ്ങോട്ടൂർ പ്രാഥമിക ആരോഗ്യകേന്ദ്രം ഹെൽത്ത് ഇൻസ്പെക്ടറുടെ ശുചിത്വ സർട്ടിഫിക്കറ്റ്
7. ക്വാറി നടത്താനുദ്ദേശിക്കുന്ന സരേവ്വ മാപ്പ്
8. പാറപ്പൊട്ടിക്കുന്ന ആളുടെ വൈദഗ്ധ്യം സംബന്ധിച്ചുള്ള സർട്ടിഫിക്കറ്റ്
9. സ്ഥല ഉടമസ്ഥന്റെ സമ്മതപത്രം



Secretary
Thirangottoor Grama Panchayat
P. O. Kalluvayal, 570 602



Annexure-6

Validity expires on 18/05/2023

Proceedings of the District Environment Impact Assessment Authority Kannur

*Present: Sri.Mir Mohammed Ali I.A.S., Chairman; Sri.S. Chandrasekar I.A.S., Member
Secretary & Sub Collector Thalassery; Sri.Suneel Pamidi.I.F.S., Member and
Sri.O. Jayarajan I.F.S (Rtd) Member*

Sub: DELAA- Environmental clearance for the Proposed Granite (Building Stone) Quarry project for an area of 4.5180 Ha. At Re. Sy. No.275/1A, Tripangottur Village, Thalassery Taluk, Kannur District, of Jovin George , Madathina Mattathil, Palisseri, Thalassery P.O Kannur - 670101

DISTRICT ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY KANNUR

No. 154/ECA/KNR/2018/DEIAA

Dated 19/05/2018, Kannur

- Ref: 1. Online Application dated 17-Apr-18 from Jovin George , Madathina Mattathil, Palisseri, Thalassery P.O Kannur - 670101,
2. Minutes of the 15th meeting of DEAC held on 19/04/2018.
3. Minutes of the 16th meeting of DEAC held on 10/05/2018.
4. Minutes of the 16th meeting of DEAA held on 17/05/2018.

ENVIRONMENTAL CLEARANCE NO. 170/2018

Mr. Jovin George , Madathina Mattathil, Palisseri, Thalassery P.O Kannur - 670101, vide his application received on 17-Apr-18, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project of an area of 4.5180 Ha. At Re. Sy. No.275/1A, Tripangottur Village, Thalassery Taluk, Kannur District, The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dtd. 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares. As per gazette notification no SO 190(E)dtd 20/01/2016, Government of India and GO(Ms)no.05/2016/Envr Dtd 04/04/2016, Govt:of Kerala DEIAA and DEAC constituted for considering the applications for environmental clearance less than 5 hectares in individual cases and 25 hectares in cluster

The proposed project site falls within Latitude: 11°47'53.63"N to 11°48'01.73" N and Longitude: 75°40'39.48"E to 75°40'49.39"E. The land area consists of 4.5180 Ha. hectares, which is private land. The land use classification as per revenue records is private



9. The blasting time must be displayed and strictly adhered to.
10. Dust suppression mechanism must be in place.
11. A separate small plot to be maintained in the premise to preserve rare and endemic species, if any, listed in the biodiversity assessment etc.
12. The PPV values must be less than 10 mm/sec.
13. The green belt shall be provided around the periphery
14. Where the height of the bench formed during earlier workings exceeds the maximum reach of the excavator engaged for work, such bench height shall be reduced from top to bottom.
15. Loose or hanging rock or mineral boulder on the side wall shall be dressed down before engaging persons for work at the bottom of the bench
16. Permanent boundary pillars should be fixed by the proponent before commencing quarrying.
17. No Quarry blasting to be undertaken and sustained till warning time limit expires and/or when continuous 48 hours cumulative rainfall exceeds 8 cm and blasting shall not be resumed until 24 hrs of rain free situation arises in the quarry locality based on the evaluation by the revenue officials
18. All waste dumps and topsoil dumps shall be properly stabilized by using coir mats or bio-regeneration. Proper drainage system shall be provided so that water is properly diverted away from the dumps slopes with no disturbance to the stability of the slopes.
19. All dump slopes shall be sufficiently stabilized by using appropriate species mix of grass, creepers, shrubs & trees. This shall be done in consultation with the Forest Department and local research institutes and experts in stabilization of mine dumps.
20. Garland drains of at least 2m width shall be provided all along 7.5m buffer zone to divert the water from entering the Quarry slopes. These drains shall be cleaned every year before the monsoon season.
21. The water from the garland drainage shall be directed to the silt settling ponds. The clarified overflow from silt settling ponds, shall be directed to a Rain Water Harvesting (RWH) pond before releasing the clarified water to the natural watercourse.
22. A retaining wall of stone rubble with wire mesh of sufficient width and strength (not less than 2m) shall be constructed at the bottom of the slope of the Quarry Lease area to arrest any likely roll of boulders during heavy rainfall.

The proponent should maintain the following general condition of health also.

1. First Aid kit provided in the work site. It shall be periodically maintained properly. Some labourers shall be trained on First Aid.
2. Wholesome drinking water should be provided.

DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KANNUR

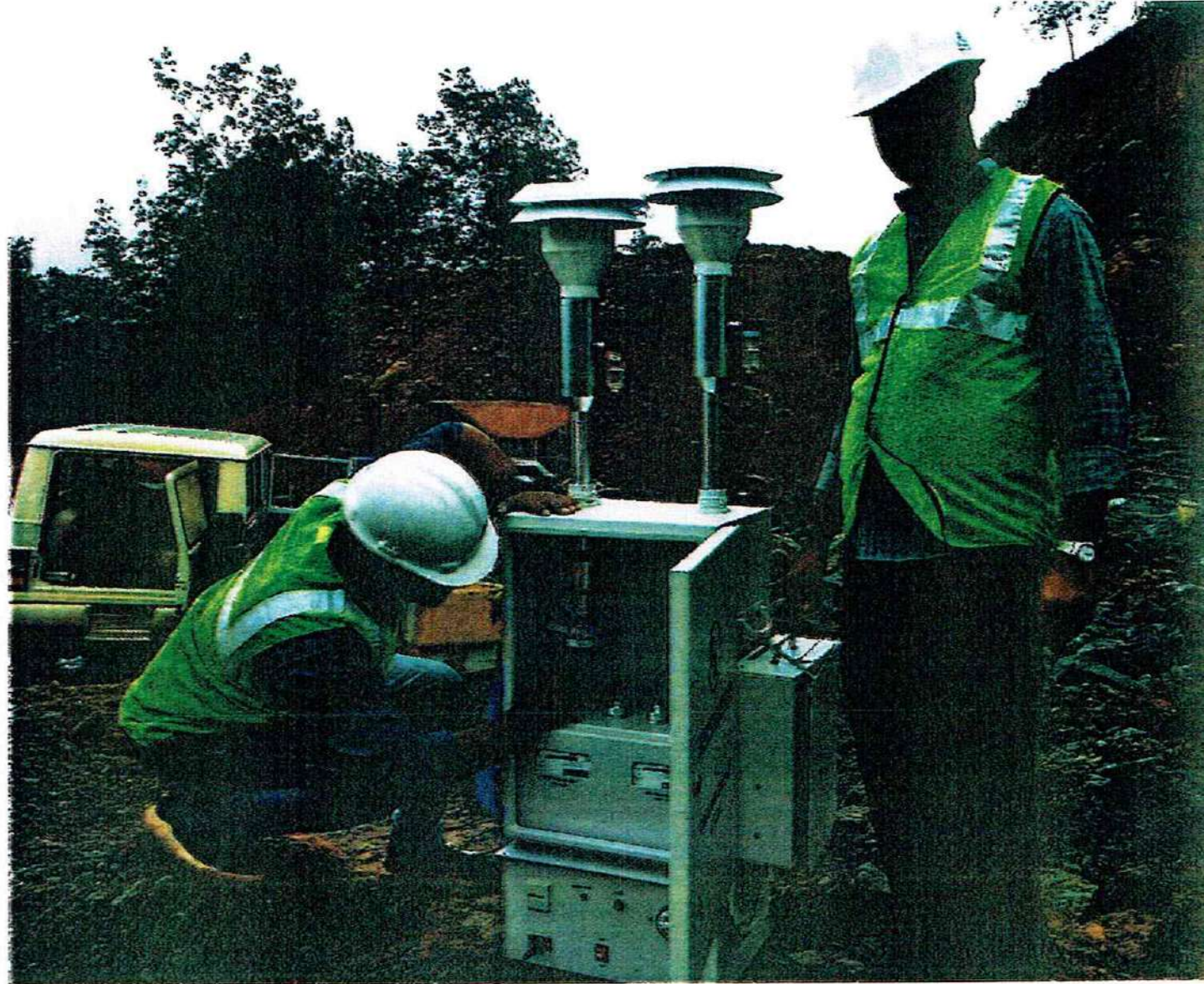
GENERAL CONDITIONS (for mining projects)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
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.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
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.
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
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.
10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/ control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
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.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maximum depth of mining from general ground level at site shall not exceed 10m
20. No mining operations should be carried out at places having a 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.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
24. The transportation of minerals should be done in covered trucks to contain dust emissions.
25. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.
27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
28. A minimum buffer distance of 50m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
29. 100 m buffer distance should be maintained from forest boundaries.
30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
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.
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.
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.
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.
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 forwarded to the office of this Authority as confirmation.
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.
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 MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.
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
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.
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.
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.
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.
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.
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

Annexure-7

MONITORING PHOTOS AND MONITORING REPORTS



Annexure-7





GLOBAL Environment & Mining Services

(Analytical Laboratory, Consulting Engineers, Mine designers, Geologist & Surveyors)

3rd Main Road, Basaveswara Badavane, HOSPET – 583201,

Bellary Dist., (Karnataka). Ph: +91 8394 229433

e-mail : gems_hpt@yahoo.com, gemslab.hpt@gmail.com, Website: www.globalmining.in



Certificate No: TC-5323

GEMS-LD/TF/23/01

Date: 29.01.2019

TEST REPORT OF WATER QUALITY DATA


- 1 Name of the Customer/Address : Granite Building Stone Quarry of
Mr. Jovin George,
Extent: 4.5180 Ha. (11.1639 Acres)
Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,
Kannur District, Kerala State.
- 2 Customer Reference : By hand
- 3 Sample Description : Well Water
- 4 Sample Collected By : GLOBAL Environment & Mining Services.
- 5 Date of Sample Collection : 23.01.2019
- 6 Date of Sample Receipt : 24.01.2019
- 7 Date of Analysis : 25.01.2019
- 8 Date of Analysis Completion : 26.01.2019
- 9 Report Number : GEMS/BNG/JG/WW/269/2018-2019

S.No	Parameters	Result	Unit	APHA 22 nd Edition Method	IS 10500 - 2012	
		WW-01			Acceptable	Permissible
1	Colour	1.00	Hazen	APHA 2120 B	5	15
2	odour	Ag	-	APHA 2150 B	Agreeable	Agreeable
3	pH at 25 Deg Celcius	7.15	-	APHA 4500 B	6.5 - 8.5	No Relaxation
4	Taste	Ag	-	IS 3025 Part 8	Agreeable	Agreeable
5	Turbidity	0.40	NTU	APHA 2130 B	1.0	5.0
Chemical Parameters						
6	Total dissolved solids	40.0	mg/l	APHA 2540 B	500	2000
7	Calcium as Ca	2.26	mg/l	APHA 3500 B	75	200
8	Magnesium as Mg	1.49	mg/l	APHA 3500 B	30	100
9	Chloride as Cl	7.09	mg/l	APHA 4500 B	250	1000
10	Fluoride as F	0.08	mg/l	APHA 4500 D	1.0	1.5
11	Conductivity	143	µs/cm	APHA 2510B	-	-
12	Nitrate as NO ₃	5.48	mg/l	APHA 4500 E	45	No Relaxation
13	Sulphate as SO ₄	1.33	mg/l	APHA 4500 E	200	400
14	Total Alkalinity as CaCO ₃	2.00	mg/l	APHA 2320 B	200	600
15	Total Hardness as CaCO ₃	9.0	mg/l	APHA 2340 B	200	600
16	Iron as Fe	<0.10	mg/l	APHA 3500 B	0.3	1.0
17	Boron as B	Nil	mg/l	APHA 4500 B	0.5	1.0
Microbiological Parameters						
18	Coliform organism/100ml	Absent	MPN	IS 1622 : 1981	Shall not be detected in any 100ml sample.	
19	E.Coli Bacteria/100ml	Absent	-	IS 1622 : 1981		

Note: WW-01, Near Core Zone

INFERENCE

As per IS 10500 – 2012 Standards,
Report Status: - Measured Values for the above parameters are within the limit.


Analyzed by
Keerthana Yadav B.R.
Chemist


Authorized Signatory
K. Ramakrishna Reddy
Technical Manager

Note:

- 1 The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- 2 Water Samples will be destroyed after 15Days. Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- 3 This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- 4 Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



GLOBAL Environment & Mining Services

(Analytical Laboratory, Consulting Engineers, Mine designers, Geologist & Surveyors)

3rd Main Road, Basaveswara Badavane, HOSPET – 583201,

Bellary Dist., (Karnataka). Ph: +91 8394 229433

e-mail : gems_hpt@yahoo.com, gemslab.hpt@gmail.com, Website: www.globalmining.in



Certificate No: TC-5323

GEMS-LD/TF/23/01

Date: 27.01.2019

TEST REPORT OF AMBIENT AIR QUALITY DATA

- 1 Name of the Customer/Address : Granite Building Stone Quarry of Mr. Jovin George, Extent: 4.5180 Ha. (11.1639 Acres) Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk, Kannur District, Kerala State.
- 2 Customer Reference : By hand
- 3 Name of the Station : Core zone area (A1)
- 4 Sample Description : Ambient Air Quality Monitoring
- 5 Sample Collected By : GLOBAL Environment & Mining Services
- 6 Particulars of Sample Collected : Combined Sampler GTI-241
- 7 Date of Sample Collection : 22.01.2019
- 8 Date of Sample Receipt : 23.01.2019
- 9 Date of Analysis : 25.01.2019
- 10 Date of Analysis Completion : 26.01.2019
- 11 Report Number : GEMS/BNG/JG/AAQ/270/2018-2019

Duration of Monitoring	PM10 [$\mu\text{g}/\text{m}^3$]		PM2.5 [$\mu\text{g}/\text{m}^3$]		SO ₂ [$\mu\text{g}/\text{m}^3$]		NO ₂ [$\mu\text{g}/\text{m}^3$]	
	IS : 5182: (Part 23) 2006		USEPA 2001		IS : 5182: (Part 2) 2001 (RF 2012)		IS : 5182: (Part 6) 2006 (RF 2012)	
	Result	STD	Result	STD	Result	STD	Result	STD
8 Hrs	34.45	100	11.12	60	9.58	80	9.63	80

INFERENCE	As per CPCB Standards, Report Status: - Measured Values for the above parameters are within the limit.
-----------	---

J.M. Thippeswamy
Analyzed by
J.M. Thippeswamy
Chemist

RKR
Authorized Signatory
K. Ramakrishna Reddy
Technical Manager

Note:

- 1 The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- 2 Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- 3 This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- 4 Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



GEMS

**GLOBAL Environment & Mining Services**

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Certificate No: TC-5323

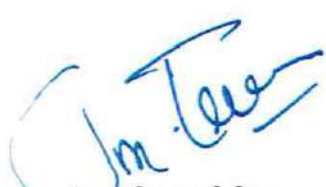
GEMS-LD/TF/23/01

Date: 28.01.2019

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

- | | | | |
|----|--|---|---|
| 1 | Name of the Customer/Address | : | Granite Building Stone Quarry of
Mr. Jovin George,
Extent: 4.5180 Ha. (11.1639 Acres)
Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,
Kannur District, Kerala State. |
| 2 | Customer Reference
(Post/ Courier/e-Mail/By Hand) | : | By hand |
| 3 | Sample Description | : | Ambient Noise Level Monitoring dB(A) |
| 4 | Sample Collected By | : | GLOBAL Environment & Mining Services |
| 5 | Particulars of Sample Collected | : | EQUINOX-EQ 107 |
| 6 | Date of Sample Collection | : | 22.01.2019 |
| 7 | Date of Sample Receipt | : | 25.01.2019 |
| 8 | Method Adopted | : | IS 9989 -1981 Reaffirmed 2008 |
| 9 | Date of Download Data | : | 26.01.2019 |
| 10 | Report Number | : | GEMS/BNG/JG/ANLM/271/2018-2019 |

Date	22.01.2019
Time (hrs)	Core Zone N1
6.00	40.1
7.00	41.8
8.00	42.4
9.00	42.9
10.00	44.6
11.00	48.2
12.00	50.9
13.00	51.3
14.00	54.7
15.00	56.8
16.00	55.9
17.00	51.0
18.00	48.3
19.00	46.2
20.00	44.1
21.00	42.6
22.00	40.1
23.00	39.6
00.00	38.2
01.00	37.1
02.00	36.4
03.00	36.8
04.00	37.9
05.00	38.2
Min	36.4
Max	56.8
Day dB(A) Leq	50.9
Night dB(A) Leq	39.0


Analyzed by
J.M. Thippeswamy
Chemist


Authorised Signatory
K. Ramakrishna Reddy
Technical Manager

Annexure-8

CSR ACTIVITIES

പട്ടർ വലിയത്ത് ശ്രീ കുട്ടിച്ചാത്തൽ ക്ഷേത്രം
ചാറാട്, പാലക്കാട്

കലാസന്ധ്യ 2019
പൊതുവരി 20 ബഹുസംഗീത വൈകുന്നേരം

സംഭാവന കുടിശ്ശിക

നമ്പർ: 107 തീയതി: 29/01/19

ശ്രീ/ശ്രീമതി: John George

അവർകളിൽ നിന്ന് സംഭാവനയായി

രൂപ നൽകിയതും കിട്ടിയിട്ടുണ്ടെന്നും

₹ 2500/-

എസ് കലാസന്ധ്യ കമ്മിറ്റി

വിരപ്പള്ളി ആര്ട്സ് & സ്പോർട്സ് ക്ലബ്ബ്
കല്ലവള്ളി, ചെറുമുക്കം

വീരകലാപരമ്പര
കബഡി ടൂർണ്ണമെന്റ് 2019 ജനുവരി 6

നമ്പർ: 45 തീയതി: 26/12/18

ശ്രീ. ശ്രീമതി: John George

അവർകളിൽ നിന്നും

സംഭാവനയായി 3000/- രൂപ നൽകിയതും

കിട്ടിയിട്ടുണ്ടെന്നും

₹ 3000/-

എസ് കലാസന്ധ്യ കമ്മിറ്റി

ആരിവാസി ക്ഷേമ സമിതി (AKS)
സംസ്ഥാന കമ്മിറ്റി

പ്രവർത്തന ഫണ്ട് 2018

തീയതി: 21/11/2018

ആരിവാസി ക്ഷേമ സമിതി

₹ 7000/-

Annexure-8

പുത്തൂർ പള്ളിക്കൽ മടപ്പുര
 എലാങ്കോട്, രജി നമ്പർ: 142/2004
 Ph: 9447448399

260 തിരുവഞ്ചന മഹോത്സവം

2019 മാർച്ച് 5 മുതൽ 14 വരെ (1194 കുറും 20 മുതൽ 29 വരെ)

നമ്പർ: _____ തീയതി: 11/02/19

ശ്രീ/ ശ്രീമതി: Chartered Granite P. Ltd - Jovin George

പുനവരിൽ നിന്ന് _____ വക

രൂപ നമ്പർയും കിട്ടിയിട്ടുണ്ട്.

₹ 1500/- സെക്രട്ടറി ക്ഷേത്രകമ്മിറ്റി



Reg. No. 09-5/98
 Lensfed Bhavan, TC No: 14/1241-2,
 Lenin Nagar, Bakery Junction
 Thiruvananthapuram - 695 001
 Tel: 0471 2335688
 www.lensfedkerala.com

No. 5040

Date 6/2/19

Received with thanks from Chartered Granite P. Ltd - Jovin George

sum of rupees ₹ 1500/-

towards donation / sponsorship

₹ 3000/-

For Working Chairman /
 General Convenor
 Organising Committee

പൊയിലൂർ
ഇൗസ്റ്റ് എൽ.പി സ്കൂൾ **വാർഷികാഭിയാചന**

2019 മാർച്ച് 29 വെള്ളിയാഴ്ച

No. 32 സംഭാവന രസീത് Date 18/3/19

ശ്രീ: ചെമ്മന്തട ക്രൈസ്തവ് PVT Limited - വെള്ളിയാഴ്ച

അവർകളിൽ നിന്നും സംഭാവനയായി ₹ 5000/-

രൂപ കിട്ടിയിട്ടുണ്ട്.

₹ 5000/- എസ്. സെക്രട്ടറി

c/o Nann Poyiloor

Annexure-8

Quarry Owned By Jovin George CSR 1.9.2018 to 31.03.2019		
1/9/2018	KERALA KARSHAKA SANGAM KANNUR	15000
1/9/2018	SRIKRISHNA JAYANTHI-BALADINAGOSHAM	5000
21/11/2018	ADHIVASI KHEMA SAMITHI	7000
30.11.2018	CMRDRF	200000
24/12/18	VEER PAZHASSI ARTS AND SPORTS CLUB KABADI	3000
11.1.2019	N Chandran Chunnapoyil, chunnapoyil (H) narikode	25000
16/1/19	SRI NOOTTALI MADAPPURA THIRA	15000
17/1/19	PATHIKKAL KANYAD SRI MUTHAPPAN MADAPPURA	100000
25/1/19	CHERUVANCHERY SRI MUCHILOT BHAGAVATHI KSHETHRAM	3000
25/1/19	RANADHARA SAMSKARIKA VEDHI KAVINMOOLA	5000
29/1/19	PATTAR VALIYATH SRI KUTTUCHATTAN KSHETHRAM PARAD	2500
11/2/2019	PUTHUR PALLIKKAL MADAPPURA THIRUVAPPANA MAHOTHSAVAM	1500
4/2/2019	MUDAYOD SRI DEVI KSHETHRAM CHERUVANCHERY	5000
9/2/2019	LENSFED	30000
27/2/2019	MALoor VOLEY	5000
18/3/19	POYILUR EAST L P SCHOOL VARSHIKAM	5000
Total		427000

