ENVIRONMENT CLEARANCE COMPLIANCE REPORT (April 2019-September 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.170/20178 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
5.	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 nonmineralized area by planting suitable native species in consultation with the local DFO/ Agriculture Department. The drains should be regularly desilted and maintained properly. Check dams	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. All civil structures made for arresting silt will be de silted before onset of
	and gully checks shall be constructed wherever required to arrest siltation. De siltation shall also be done every year before the onset of monsoon.	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 are carried out. (Enclosed as Annexure-4)
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	Coir mats shall be used to cover waste dumps. Proper drainage system shall be provided so as to avoid destabilizing of dumps.

	disturbance to the stability of the slopes.	
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 cleaned every year before the monsoon season	Garland drains of 2 mt width will be constructed.
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.	First Aid kits are provided in the work
	It shall be periodically maintained	site and key personnel will be trained
	properly. Some labourers shall be	to render first aid in case of
-	trained on First Aid.	emergencies.
2	Wholesome drinking water should be	Wholesome potable drinking water is
	provided.	provided
3	Premises should be maintained as wet	Dust will be suppressed at the source.
	to suppress the dust.	
4	Sanitary type of latrines and urinals	Latrines and urinals are provided.
	should be provided.	
5.	Resting place to be provided for	Resting place is provided to workers.
	workers	
6	'No Smoking' board should be	'No Smoking' board is exhibited.
ů.	exhibited according to COTPA act.	25.36
7	Work should not be done in night.	Work is done only during day light.
8	Details of nearest hospital, shortest	Emergency contact numbers of Key

	route to hospital and contact no. etc.	persons, Hospitals, police station, etc.
	should be available	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.	Rainwater harvesting facility shall be installed.
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 made functional.
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.
	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,	Lease area is fenced off. Sign boards have been erected at prominent places.
9	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)	Necessary precautions while blasting is taken.

	has to be arranged as per stipulations of the Explosives department.	
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, carte 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	All required statutory clearances
	obtained, as applicable, by project	obtained.
	proponents from the respective	The DGMS permission is under
	competitive authorities including that	process.
	for blasting and storage of explosives.	
32	In the case of any change(s) in the	There is no change in the scope of
	scope of the Project, extent, quantity,	mining.
	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.	
33	The Authority reserves the right to add	Agreed.
	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.	

34		Agreed.
	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)	
	Act1981, the Environment (Protection)	
	Act, 1986, the Public Liability (Insurance)	
	Act, 1991 and EIA Notification, 2006	
35	The project proponent should advertise in at	Advertisements informing EC
	least 2 newspapers widely circulated in the	accordance to the Project is done
	region, one of which(both the advertisement	in 2 no's newspapers.
	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 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 panchayat.(Enclosed as Annexure-3)
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 is submitted as stipulated.(Monitoring data is attached as Annexure- 5)
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	No natural water course is

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	natural water course and/or water resources shall be obstructed due to any	obstructed. Necessary safeguard measures will be taken to protect
	mining operations. Necessary safeguard	first order streams if originating
	measures to protect the first order streams,	from the mining lease in the
	if any, originating from the mine lease shall	future.
	be taken.	ruture.
42	Monitoring of Ambient Air Quality to be	Monitoring of Ambient Air Quality
	carried out based on the Notification 2009,	will be carried out. Water
	as amended from time to time by the Central	sprinkling will be done at all
	Pollution Control Board. Water sprinkling	places appropriately.
	should be increased at places loading and	
	unloading points & transfer point to reduce	
Na .	fugitive emissions.	
	The top soil, if any, shall be temporarily be	Available top soil will be used at
	stored at earmarked site(s) only for the	the Green belt for plantation.
	topsoil shall be used for land reclamation	OB generated is used for
	and plantation. The Over burden (OB)	plantation purposes along the
43	generated during the mining operations	Green/Safety zone.
	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	
ar s	until the vegetation becomes self-sustaining	
44	Catch drains and siltation ponds of	
	appropriate size shall be constructed around	Catch drains are made along the
	the mine working, mineral and OB dumps to	periphery of the mining lease.
	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	
4=	monsoons and maintained properly	D 1
45	Effective safeguard measures such as	Regular water sprinkling is done
	regular water sprinkling shall be carried out	on haul roads with water tankers.
	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	
1.0	Pollution Control Board in this regard.	F
46	Fugitive dust emissions from all sources	Fugitive dust emissions is

3		
	should be controlled regularly. Water	controlled.
	spraying arrangements on haul roads,	
	loading and unloading and transfer points	
	should be provided and properly	
	maintained.	
47	Measures should be taken for control of	Adequate measures for noise
300000000	noise levels below 85 dB(A) in the work	control is adopted.
	environment.	P of the p
48	A separate environmental management cell	An Environment Management Cell
10	with suitable qualified personnel should be	is set up under the control of the
	•	
	set up under the control of a senior	Mines Manager.
	executive, who will report directly to the	
AND SAME AND	head of the Organization.	
49	The funds earmarked for environment	Funds earmarked for
	protection measures and CSR activate	environment protection measures
	should be kept in a separate account and	and CSR will be made available.
	should not be diverted for other purpose.	
	Year wise expenditure should be reported to	
	the State Environment Impact Assessment	
	Authority (SEIAA) office.	
50	The Regional Office of MOEF and CC located	We will extend full cooperation to
	in Bangalore shall monitor compliance of the	any officer(s) from the Regional
	stipulated conditions. The Project	Office during his/their visit. All
	authorities should extend full cooperation to	available data will be provided.
	the Officer(s) if the Regional Office by	
	furnishing the requisite	
	data/information/monitoring reports.	
51	Any appeal against the Environment	Agreed.
	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	
52	Concealing the factual data or submission of	Factual and true data will be
	false/fabricated data and failure to comply	submitted.
	with any of the conditions mentioned above	Sabinica
	may result in withdrawal of this clearance	
	and attract action under provisions of the	
F2	Environment (Protection) Act, 1986.	A
53	The SEIAA may revoke or suspend the order	Agreed.
	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	
54	The above conditions shall prevail not	Agreed.
J 7	withstanding anything to the contrary,	1151 000.
	inconsistent or simplified, contained in any	

	other permit, license on consent given by any other authority for the same project.		
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 to 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.		ipational health surveillance will ndertaken.

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: 28.12.2019

Annexure-1

SIGN BOARDS





Annexure-1





भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)

पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives केन्द्रीय भवन, ब्लाक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor CSEZ पी.ओ.कक्कानाड 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;

संख्य	^{या} विस्फोटक	वर्ग	प्रभाग	उप-प्रभाग	क्षमता	इकाई
No	Explosive(s)	Class	Div	Sub Div	The state of the s	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 कलैंडर 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 अन्जप्ति दिनांक 31 मार्च 2019 तक प्रवृत्त रहेगी।

Annexure-2

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

आपके खाते में **रुपए** 700/- की राशि शेष हैं 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 विस्फोयटक 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 क्रास्टाविस्पर्मात्रके Larina popular Chief Controller of Explosives एरणाकुलम Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

- 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 कोच्ची | Ernakulam

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

Annexure-2

2. अनुज्ञप्ति प्राधिकारी व्दाररा हस्ता.क्षरित इस अनुज्ञप्ति की शर्ते और अतिरिक्ति शर्ते। 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

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 शतों 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 एरणाकुलम 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 दुरूपयोग विधि के अधीन गंभीर दांडिक अपराध होगा।

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

ലൈസൻസ് നമ്പർ ബി4.591/18



തിയ്യതി.28/07/2018

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

_ ഈടാക്കിയ ലൈസൻസ് ഫീസ്	5000/-
ലൈസൻസ് കാലയളവ്	01/04/2018 മുതൽ 31/03/2019 വരെ
കെട്ടിട,നമ്പതം വാർഡ് നമ്പതം	റി.സ 275/1എ നരിക്കോട്ട് മല
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽഖനനം നടത്തുന്നതിന്
സ്ഥാപനത്തിൻെറ പേരും സ്ഥലനാമവും •	റി.സ 275/1എ നരിക്കോട്ട് മല
ം ലൈസൻസിയുടെ പേതം മേൽവിലാസവും	: ജോവിൻ ജോർജ്ജ് : മടത്തിനാമറ്റത്തിൽ, പാലിശ്ശേരി, തലശ്ശേരി (പി.ഒ) 670101

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

- ഡിസ്ലിക്ട് എൻവയോൺമൻറൽ ഇംപാക്ട് അസസ് മെൻറ് അതോറിറ്റി യുടെ 22/05/2017തീയ്യതിയിലെ
 01/KNR/2017/DEIA നമ്പർ അനുമതി, ഡിസ്ലിക്ട് എൻവയോൺമൻറൽ ഇംപാക്ട് അസസ് മെൻറ് അതോറിറ്റി യുടെ 19/05/2018 തീയ്യതിയിലെ
 154/ECA/KNR/2018/DEIAA നമ്പർ അനുമതി.
- 2. കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡിൻെ 19/06/2018 ലെ PCB/KNR/ICO-R/360/2017 നമ്പർ അനുമതി,
- 3. മൈനിംഗ് ആൻറ് ജിയോളജി ഡിപ്പാർെട്ട്മൻറിൽ നിന്നും 04/10/2017 409/2017-18/8825/M3/2016/DMG നമ്പർ ലൈറ്റർ ഓഫ് ഇൻൻറ്, മൈനിംഗ് ആൻറ് ജിയോളജി ഡിപ്പാർെട്ട്മൻറിൽ നിന്നും 09/04/2018 3326/M3/2018 നമ്പർ ലൈറ്റർ ഓഫ് ഇന്റർറ്റ്
- 4. ചീഫ് കൺേട്രാളർഓഫ് ഏക്േസ്ലാസിവ് അധ്കൃതരുടെ അനുമതി.
- 5. തുപ്രങ്ങോട്ടൂർ വില്ലേജ് ഓഫീസറുടെ കൈവശാവകാശ സർട്ടിഫിക്കറ്റുകൾ
- 6. തൂപ്രങ്ങോട്ടൂർ പ്രാഥമിക ആരോഗ്യകേന്ദ്രം ഹെൽത്ത് ഇൻെസ്പക്ടറുടെ ശുചിത്വ സർട്ടിഫിക്കറ്റ്
- 7. ക്വാറി നടത്താനുദേശിക്കുന്ന സർേവ്വ മാപ്പ്
- പാറപ്പൊട്ടിക്കുന്ന ആളുടെ വൈദഗ്ധ്യം സംബന്ധിച്ചുള്ള സർട്ടിഫിക്കറ്റ്
- 9. സ്ഥല ഉടമസ്ഥൻെറ സമ്മതപത്രം

Secretary

Triprangottoor Grama Panchaya

P. O. Kallikkandi-670 693

	Jovin George	
date	Discription	Amount
4.9.2019	KANNUR DISTRICT TWA	25000
24.7.2019	KARSHAKA THOZHILALI UNION panoor	3000
17.06.2019	PINARAYI PERUMA CULTURAL CHARITABLE SOCIETY	15000
3.9.2019	SARVAJANIKA GANESOLSAVAM	7500
19.10.2019	KARSHAKA THOZHILALI UNION	50000
House Aid	Sivaraman, Amari ayyath house ,27TH Mile, Poolakutty	150000
House Aid	P. Chandran, Palmi House, 27TH Mile, Poolakutty	50000
Enviornmental protection	Purchase plants	8000

List of CSR Annexure

CSR Activities







വാഴമല വി. സെബസ്തുനോസ് ദൈവാലയത്തിൽ ഇടവക തിരുനാളും വാഴമല കുടിയേറ്റ അനുസ്മരണവും 2019 മെയ് 4, 5 (ശമ്പ്, ജായർ) ദിവസങ്ങളിൽ) നമ്മർ 11 തിയ്യതി 6-5-191 ത്രീ 122നാ വാഴമല വിത്യതി 6-5-191 ന്ത്രീ 122നാ വാഴമല പടര് നിന്നും നാരാവനതായി ഗ്രദ്ധ (ക്ക് എന് വിരുനാൾ കമ്മിറ്റിക്കുമെന്നു) സാരാവന













GLOBAL Environment & Mining Services

(Analytical Laboratory, Consulting Engineers, Mine designers, Geologist & Surveyors) 3 rd Main Road, Basaveswara Badavane, HOSAPETE - 583201, Dist.., Bellary (Karnataka), Ph: +91-8394 651111, 229433





Certificate No: TC-5323



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

GEMS-LD/TF/11/01 Date: 31.07.2019

Analysis Report of Ambient Air Quality Monitoring

Granite Building Stone Quarry of

Shri. Jovin George,

Extent: 4.5180 Ha. (11.1639 Acres) Name of the Customer/Address

Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,

Kannur District, Kerala State

Sample Description 2 : Ambient Air Quality Monitoring

Sample Collected By : GLOBAL Environment & Mining Services 3

Particulars of Sample Collected : Combined Sampler (GTI-241)

Duration of the Monitoring : 24 Hour of Sampling 5

6 Name of the Station : Core zone area (A1) Sample Received 7 : 26.07.2019 Date of Analysis 8 : 29.07.2019

Date of Analysis Completion 9 : 31.07.2019

10 Sample Code : GEMS/GBSQPGPL/AAQM/2019-20/1679

Report Number : ULR-TC53231900000567F

Results

Date of		PM10 [μg/m³]	PM2.5 [μg/m³]	SO ₂ [μg/m ³]	NO ₂ [μg/m³]
Monitoring]	IS : 5182: (Part 23) 2006 (RA 2012)	USEPA 2001	IS: 5182: (Part 2) 2001 (RF 2014)	IS : 5182: (Part 6) 2006 (RF 2014)
26.07.2019		45.6	25.8	14.8	13.5
Standard	-	100	60	80	80

As per CPCB Standards, INFERENCE

Report Status: - Measured Values for the above parameters are within the limit.

End of Report

Analysed By J.M. Thippeswamy Chemist



Note:

The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.

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

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.

Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



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Certificate No: TC-5323



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

GEMS-LD/TF/11/01 Date: 31.07.2019

Analysis Report of Ambient Air Quality Monitoring

Granite Building Stone Quarry of

Shri. Jovin George,

Extent: 4.5180 Ha. (11.1639 Acres) Name of the Customer/Address

Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,

Kannur District, Kerala State

Sample Description 2 : Ambient Air Quality Monitoring

Sample Collected By 3 : GLOBAL Environment & Mining Services

Particulars of Sample Collected : Combined Sampler (GTI-241)

Duration of the Monitoring : 24 Hour of Sampling 5

Name of the Station : Narikkad (A2) Sample Received 7 : 26.07.2019 8 Date of Analysis : 29.07.2019

Date of Analysis Completion 9 : 31.07.2019 Sample Code 10 : GEMS/ GBSQPGPL/AAQM/2019-20/1680

Report Number : ULR-TC53231900000568F

Results

Date of	PM10	PM2.5	SO ₂	NO ₂
	[μg/m³]	[μg/m³]	[μg/m ³]	[μg/m ³]
Monitoring	IS: 5182: (Part 23)	USEPA	IS: 5182: (Part 2)	IS: 5182: (Part 6)
	2006 (RA 2012)	2001	2001 (RF 2014)	2006 (RF 2014)
26.07.2019	42	22.5	12.4	11.2
Standard	100	60	. 80	80

As per CPCB Standards, INFERENCE

Report Status: - Measured Values for the above parameters are within the limit.

End of Report

Analysed By J.M. Thippeswamy Chemist



Note:

The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.

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

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

Certificate No: TC-5323

GEMS-LD/TF/08/01 Date: 31.07.2019

TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

Granite Building Stone Quarry of

Shri. Jovin George,

Extent: 4.5180 Ha. (11.1639 Acres)

Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,

Kannur District, Kerala State.

2 Sample Description

1

3 Sample Collected By

4 Particulars of Sample Collected

Name of the Customer/Address

5 Duration of the Monitoring

6 Date of Sample Receipt

7 Date if Analysis Completion

8 Sample Code

Report Number

: Ambient Noise Level Monitoring

: GLOBAL Environment & Mining Services

: Digital LCD Sound Level Meter (E0-6080-W8NI)

: 24 Hour of Sampling

: 26.07.2019

: 31.07.2019

GEMS/GBSQPGPL/ANLM/2019-20/1681 & 1682

: ULR-TC53231900000569F

Date	26.07.2019	28.07.2019
Name of the Location	Core Zone	Narikkod
Time (hrs)	N1 .	N2
6.00	42.4	41.4
7.00	45.0	42.6
8.00	47.2	42.4
9.00	50.2	46.2
10.00	53.4	47.6
11.00	54.4	43.2
12.00	54.8	44.6
13.00	55.6	44.2
14.00	55.8	46.4
15.00	56.6	48.2
16.00	57.4	51.4
17.00	55.2	50.4
18.00	51.6	48.8
19.00	48.8	48.2
20.00	44.2	44.4
21.00	42.6	42.4
22.00	42.0	40.6
23.00	38.6	36.4
00.00	36.0	36.2
01.00	38.4	35.8
02.00	38.0	35.8
03.00	38.2	35.4
04.00	38.2	35.8
05.00	38.4	35.2
Lmax	57.4	51.4
Lmin	38.0	35.2
Ld	53.46	46.99
Ln	39.41	37.90
Leq	52.3	47.4

End of Report

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- 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.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.

NOISE: (AMBIENT STANDARDS)

		Limit in dB(A) Leq		
Area Code	Category of Area	Day Time	Night Time	
A	Industrial Area	75	70	
В	Commercial Area	65	55	
C	Residential Area	55	45	
D	Silence Area	50	40	

	Day time shall mean from 6:00 am and 10.00 pm
	Night time shall mean from in between 10.00 pm and 5.00 am
	Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
Note	Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority
	*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which relatable to human being
	A "decibel" is a unit in which noise is measured
	"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.



Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.

 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 2 specified.
- 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. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only. 3.



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

Certificate No: TC-5323

GEMS-LD/TF/23/01 Date: 31.07.2019

Analysis Report of Drinking Water

Granite Building Stone Quarry of

Shri. Jovin George,

Extent: 4.5180 Ha. (11.1639 Acres)

Re-Sy. No. 275/1A, Tripangottur Village, Thalassery Taluk,

Kannur District, Kerala State

GLOBAL Environment & Mining Services

Well Water

Buffer area (WW1)

26.07.2019

29.07.2019

31.07.2019

GEMS/GBSQPGPL/WW/2019-20/1683 ULR-TC53231900000570F

2 Sample Collected By 3 Sample type 4 Name of the location

Name of the Customer/Address

5 Date of Sample Collection Date of Sample Received 6 7 Date of Sample Analyzed

Sample Code 10 **ULR Number** 11

Standards as per SI. IS: 10500: 2012 Parameters Protocol Unit Results No. Permissible **Desirable Limits** Limits APHA 22nd Edition 2012 4500 B pH 1. 7.20 6.5 to 8.5 No Relaxation (Pg No. 4-92 to 4-96) APHA 22nd Edition 2012 2510 B 2. Conductivity 150 µS/cm (Pg No. 2-54) APHA 22nd Edition 2012 2130 B 3. Turbidity (NTU) NTU 0.20 1 5 (Pg No. 2-14) APHA 22nd Edition 2012 2540 B 4. Total Dissolved Solids 500 mg/L 148 2000 (Pg No. 2-65) APHA 22nd Edition 2012 3500 Ca B 5. Calcium as Ca mg/L 18 75 200 (Pg No. 3-84) APHA 22nd Edition 2012 3500 B-Mg Magnesium as Mg mg/L 5.20 30 100 By Calculation APHA 22nd Edition 2012 2540 B Total Suspended 7. 1.22 mg/L Solids (Pg No. 2-66 to 2-67) IS:3025 (part 38)- 1989, RA - 2014 Dissolved Oxygen mg/L 7.40 Winkler titrimetric azide modification IS:3025 (part 44) - 1993, RA-2014, BOD 3 days at 27° C NIL mg/L APHA 22nd Edition 2012 2540 B 10. COD as O2 mg/L NIL (Pg No. 5-19 to 5-20) Dissolved Phosphate IS:3025 (part 38)- 1988, RA - 2014, Stannous 11. mg/L < 0.01 chloride method APHA 22nd Edition 2012 Na 3500 B 12. Sodium as Na mg/L (Pg No. 3-97 to 3-98) APHA 22nd Edition 2012 3500 B 13. Potassium as K 0.56 mg/L (Pg No. 3-87 to 3-88) APHA 22nd Edition 2012 2340 C Total Hardness as 14. 112 200 600 mg/L CaCO3 (Pg No. 2-46) APHA 22rd Edition 2012 4500 Cl Chloride as Cl 15. 14.0 250 1000 mg/L (Pg No. 4-72) 16. Total Iron as Fe APHA 3500 B(Pg No. 3-77) 0.18 mg/L 0.30 No Relaxation APHA 22nd Edition 2012 4500 SO42 - E 17. Sulphate as SO4 102 200 400 mg/L (Pg No. 4-190) APHA 22nd Edition 2012 4500 F-D 18. Fluoride as F 1.50 0.20 1 mg/L (Pg No. 4-87 to 4-88) APHA 22nd Edition 2012 4500 NO3 E Nitrate Nitrogen as 19. mg/L 12 45 No relaxation (Pg No. 4-125 to 4-127) NO3 APHA 22nd Edition 2320 B Total Alkalinity as 20. 36 mg/L 200 600 CaCO3 (Pg No. 2-35)

Note:

Oil & Grease

21

The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.

APHA 22nd Edition 2012 5520 B

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

NIL

mg/L

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		(Pg No.5-40 to 5-41)				
22.	Total Coliform count*	APHA 22 nd Edition 2012 9222 B (Pg No.9-66) Membrane filter technique	MPN/ 100ml	Absent	Shall not be detectable in any 100 ml sample	-
23.	Escherichia coli count*	APHA 22 nd Edition 2012 9222 B (Pg No.9-66) Membrane filter technique	E.Coli/ 100ml	Absent	Shall not be detectable in any 100 ml sample	-

End of report

Analysed By Keerthana Yadav B.R Chemist

Technical Manager

Note:

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