

# **Mavanal Granites Private Limited**

Register No. 09-05805/1990, CIN No. U14102KL1990PTC005805  
Registered Office: Sreenikethan, Kalanjoor, KERALA, Pin: 689694, INDIA  
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Email: [mavanalgroup@gmail.com](mailto:mavanalgroup@gmail.com) Website: [www.mavanal.com](http://www.mavanal.com)

No. MGPL/CR/064/2018

Date: 21.12.2020

From

The Managing Director

To

The Regional Director

MoEF&CC Regional Office

Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E & F Wing

II Block, Koramanagala, Bengaluru – 560034.

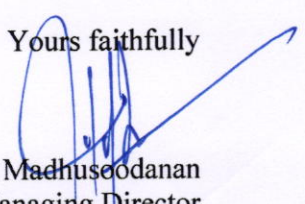
Sir,

Sub: Environmental Clearance – Compliance report furnished

Ref: Environmental Clearance No. 57/2017 vide proceedings No.  
81/SEIAA/KL/183/2013 dated 16.08.2017 r.w. E.C. No.  
51/SEIAA/KL/7509/2012 dt. 15.03.2013 of SEIAA Kerala

Kind attention is invited to the Environmental Clearance accorded to the quarry project of M/s Mavanal Granites Private Limited in Koodal Village, Kalanjoor Panchayath, Konni Taluk, Pathanamthitta District, Kerala for expansion of existing quarry project with mine lease and Environmental Clearance, issued vide reference cited above. The sixth report of compliance on the specific and general conditions of the EC for the period from April to September 2020 is attached herewith for favour of kind perusal.

Yours faithfully

  
K.N. Madhuseodanan  
Managing Director  
for M/s Mavanal Granites Private Limited

Copy to :

The Member Secretary

SEIAA Kerala

K.S.R.T.C. Bus Terminal Complex, 4<sup>th</sup> Floor

Thampanur, Thiruvananthapuram – 695001.







Quarry project of

# M/s Mavanal Granites Private Ltd.

Koodal Village  
Kalanjoor Panchayath  
Konni Taluk (formerly Adoor Taluk)  
Pathanamthitta District  
Kerala State

## 6th Compliance report

(Ref: E.C. No. 81/SEIAA/KL/183/2013 dt. 16.08.2017  
r.w. E.C. No. 51/SEIAA/KL/7509/2012 dt. 15.03.2013 of SEIAA Kerala)

ENVIRONMENTAL CLEARANCE No. 57/2017

for the period from  
**April to September 2020**





Quarry project of  
M/s Mavanal Granites Private Limited  
Koodal Village  
Kalanjoor Panchayath  
Konni Taluk (*formerly Adoor Taluk*)  
Pathanamthitta District  
Kerala State

## *6<sup>th</sup> Compliance Report*

*(Ref: E.C. No. 81/SEIAA/KL/183/2013 dt. 16.08.2017  
r.w. E.C. No. 51/SEIAA/KL/7509/2012 dt. 15.03.2013 of SEIAA KERALA)*

***ENVIRONMENTAL CLEARANCE No. 57/2017***

**for the period from  
April to September 2020**



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### MONITORING REPORT – PROFORMA – PART I

E.C No. 57/2017 vide proceedings No. 81/SEIAA/KL/183/2013 dated 16-08-2017 r.w. E.C. No. 51/SEIAA/KL/7509/2012 dt. 15.03.2013 issued by SEIAA Kerala / ~~MoEF & CC~~

1.	Name of the project	Quarry project of M/s Mavanal Granites Private Limited
2.	Clearance letter no. & date	Environmental Clearance No. 57/2017 vide proceedings No. 81/SEIAA/KL/183/2013 dated 16.08.2017 r.w. E.C. No. 51/SEIAA/KL/7509/2012 dt. 15.03.2013 issued by SEIAA Kerala
3.	Location: District & State/UT	Pathanamthitta District, Kerala State
4.	Address for correspondence:	Mr. K.N. Madhusoodanan Managing Director M/s Mavanal Granites Pvt. Ltd. Sreenikethan, Kalanjoor P.O. Adoor, Pathanamthitta Kerala state Pincode: 689694.
5.	Contact No. of office with name of responsible official	Mr. Suresh - 9447120111
6.	Mobile No. of concerned officials associated with monitoring	Mr. Suresh - 9447120111
7.	Date of commencement (Actual and/or planned)	15.03.2013
8.	Validity of CFO (Consent for Operation obtained from Kerala State PCB)	15.08.2022
9.	Present status of the project	On-going
10.	Email id of the contact person to whom communications to be sent	sureshmavanal@yahoo.com knmppl@gmail.com
11.	FAX Number	

Date: 21.12.2020

(Company Seal)

Signature of authorized signatory

Name : K.N. Madhusoodanan  
Designation: Managing Director





# I. ABOUT THE PROPONENT

M/s Mavanal Granites Private Limited possesses a quarry project in Koodal Village, Kalanjoor Panchayath, Konni Taluk (*formerly Adoor Taluk*), Pathanamthitta District, Kerala state and the quarry site is Government land on lease.

State Environment Impact Assessment Authority Kerala (SEIAA Kerala) accorded Environmental Clearance No. 57/2017 vide proceedings No. 81/SEIAA/KL/183/2013 dated 16-08-2017 to M/s Mavanal Granites Private Limited for expansion of existing quarry project with mine lease and Environmental Clearance for an area of 4.0469 hectares (issued vide E.C. No. 51/SEIAA/KL/7509/2012 dated 15-03-2013) for an additional area of 1.1908 hectares in Koodal Village, Kalanjoor Panchayath, Konni Taluk (*formerly Adoor Taluk*), Pathanamthitta District, Kerala.

M/s Mavanal Granites Private Limited is controlled and managed by Mr. K.N. Madhusoodanan, Managing Director, Sreenikethan, Kalanjoor P.O., Konni, Pathanamthitta District, Kerala - 689694; E-mail: knmppl@gmail.com.

Among the conditions specified in the said Environmental Clearance (EC), it is mandatory to file six-monthly compliance report(s). This report is in compliance of it and the sixth report in its series.

## II. ABOUT THE PROJECT

### a. Project category:

The project comes under the Category B, Activity 1(a) of Schedule of EIA Notification 2006 and subsequent amendments.

### b. Project location:

Sy. No. 288/1 part, Block 32 of Koodal Village, Kalanjoor Panchayath, Konni Taluk (*formerly Adoor Taluk*), Pathanamthitta District, Kerala. The proposed project site falls within 9°8'46.06"N to 9°8'40.60"N and 76°53'53.75"E to 76°53'48.93"E.

### c. Project extent and activity:

The project is for quarrying of 4,50,000 MTA of building granite stone from an area of 5.2377 hectares of land located as specified above.

### d. Project description:

The land for the quarry project is Government land on lease in the name of M/s Mavanal Granites Private Limited for mining operation in an area of 5.2377 hectares (4.0469 hectares + 1.1908 hectares). The project is for expansion of existing quarry project with mine lease and Environmental Clearance for an area of 4.0469 hectares (issued vide E.C. No. 51/SEIAA/KL/7509/2012 dated 15-03-2013) for an additional area of 1.1908 hectares. The mining operation is carried out by open cast semi-mechanized method as per the approved Mining Plan. The expected life of mine is 10 years.

### III. REPORT OF COMPLIANCE

#### A. SPECIFIC CONDITIONS

Item No.	Stipulations in EC	Status of Compliance	Remarks
S1	If any plant species endemic to Western Ghats are noticed in the area they shall be properly protected in situ or by transplanting to an appropriate location inside the lease area.	Effective steps shall be taken either for in situ conservation or for transplantation of any endemic plant species of Western Ghats, if any, noticed within the lease area.	

#### B. GENERAL CONDITIONS

Item No.	Stipulations in EC	Status of Compliance	Remarks
G1	Rain water harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.	Rain water falling in the mine lease area is collected in a pond.	



G2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environment Monitoring Cell (EMC) formed is functional.	
G3	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.	The condition is complied with.	
G4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Solar energy street lights are fixed within the project site.	
G5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprayers are installed and used in the crushing unit area and lorries with sprinklers spraying water at regular intervals ply within the project area.	
G6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	The condition shall be scrupulously followed at the time of mine closure.	
G7	At least 10 percent of the total excavated pit area should be retained as water storage areas	The condition shall be scrupulously followed at the time of reclamation of pit during mine closure.	

	and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.		
G8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	An amount of Rs. 7,50,000/- has been contributed to CMDRF Kerala in the period between April to September 2020, and copy of receipt of the same is attached as <b>Annexure G.8.</b>	<b>Annexure G.8</b> – Copy of receipt for the amount contributed to CMDRF, Kerala (Pages A1 to A2)
G9	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.	Barbed metal wire fencing around the mining area with a height of not less than 4 feet is provided.	
G10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.	Warning alarms indicating the time of blasting is arranged.	

G11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	The directions contained are being scrupulously followed. In order to control noise, proper maintenance of machinery and maintenance of wide green belt are being done. Controlled blasting technique is used to reduce blast vibrations.	
G12	Quarrying activities should be limited to day time as per KSPCB guidelines/ specific conditions.	Quarrying and allied activities is limited to day time only.	
G13	Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.	The condition is being followed scrupulously.	
G14	A licensed person should supervise/ control the blasting operations.	Blasting is done under the supervision of Mr. Neerappa, Mr. D. Sasidharan, Mr. Tanaji Savant and Mr. Ratikanta Giri who are competent for the same.	
G15	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Access roads to the quarry site are tarred.	
G16	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.	Overburden is stacked within the project site in pre-determined site specified for the purpose and shall be used for reclamation of mine pit during mine closure as stipulated.	

G17	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.	The height and width of benches is maintained as 5 m x 5 m.	
G18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Mats are used during vibration studies.	
G19	Maximum depth of mining from general ground level at site shall not exceed 10m.	The maximum depth of mining is still above the ground level.	
G20	No mining operations should be carried out at places having a slope greater than 45°.	It is ensured that no mining is carried out at places having a slope greater than 45°, if any.	
G21	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.	In addition to the provisions of green belt and hollow brick envelop for crushers, acoustic enclosures are also provided for the crusher unit to reduce sound amplifications so that the noise level is kept within prescribed standards given by KSPCB.	
G22	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	The workers on the site are provided with the required protective equipments such as ear muffs, helmet, etc.	

G23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Garland drains are provided to channelize storm water.	
G24	The transportation of minerals should be done in covered trucks to contain dust emissions.	The transportation of minerals is done in covered trucks to contain dust emissions.	
G25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	The condition is being followed scrupulously.	
G26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Not applicable as spent oil is not generated.	
G27	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.	Scrupulously follows the directions contained.	
G28	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.	Statutory safe distance shall be maintained without fail.	

G29	100 m buffer distance should be maintained from forest boundaries.	Statutory safe distance shall be maintained without fail.	
G30	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.	<ul style="list-style-type: none"> <li>Integrated Consent to Operate - Renewal (Consent No. QCO/PTA/02/R4/2020 dt. 24.10.2020 valid up to 15.08.2022), is obtained from Kerala State Pollution Control Board for the quarry. <b>[Annexure G.30(1)]</b></li> <li>Integrated Consent to Operate – Renewal (Consent No. ICO/PTA/CR/52/R1/2020 dt. 30.10.2020 valid up to 31.12.2025), is obtained from Kerala State Pollution Control Board for the crusher unit. <b>[Annexure G.30(2)]</b></li> </ul>	<p><b><u>Annexure G.30(1)</u></b> – Copy of Integrated Consent to Operate - Renewal issued by Kerala State Pollution Control Board for the quarry (Pages A3 to A4)</p> <p><b><u>Annexure G.30(2)</u></b> – Copy of Integrated Consent to Operate - Renewal issued by Kerala State Pollution Control Board for the crusher unit (Pages A5 to A6)</p>
G31	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.	<p>Clearances are obtained from:</p> <ol style="list-style-type: none"> <li>Kalanjoor Grama Panchayath <b>[Annexure G.31(1)]</b></li> <li>Mining &amp; Geology Department <b>[Annexure</b></li> </ol>	<p><b><u>Annexure G.31(1)</u></b> - Copy of licence (No. A9-357(05)/2020 dt. 01.04.2020 valid up to 31.03.2025) issued by Kalanjoor Grama Panchayath for the crusher unit (Page A7)</p> <p><b><u>Annexure G.31(2)(a)</u></b> –</p>

		<p><b>G.31(2)(a), Annexure G.31(2)(b) and Annexure G.31(2)(c)]</b></p> <p>3. Directorate General of Mines Safety <b>[Annexure G.31(3)]</b></p> <p>4. Petroleum and Explosives Safety Organization (former Explosives Department) <b>[Annexure G.31(4)]</b></p> <p>5. Collectorate, Pathanamthitta <b>[Annexure G.31(5)]</b></p>	<p>Copy of proceedings (No. 528/ 2017-18/ 10061/ M3/ 2017/ DMG dt. 21.11.2017) of Director of Mining and Geology, amalgamating the quarrying leases issued to Managing Director, M/s Mavalan Granites Private Limited stipulating the validity of amalgamated leases for the period up to 02.08.2023 (Pages A8-A9)</p> <p><b><u>Annexure G.31(2)(b)</u></b> – Copy of proceedings of the Director of Mining &amp; Geology (No. 454/ 2013-14/ 8112/ M3/ 2013 dt. 07.10.2013) sanctioning the quarrying lease and copy of quarrying lease deed executed for an area of 4.0469 hectares for a period up to 02.08.2023 (Pages A10 to A27)</p> <p><b><u>Annexure G.31(2)(c)</u></b> – Copy of proceedings of</p>
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			<p>the Director of Mining &amp; Geology (No. 423/2017-18/8795/M3/2017/DMG dt. 09.10.2017) sanctioning the quarrying lease and copy of quarrying lease deed executed for an area of 1.1908 hectares for a period up to 18.10.2027 (Pages A28 to A37)</p> <p><b><u>Annexure G.31(3)</u></b> – Copy of conditions governing the use of Heavy Earth Moving Machinery without deep hole drilling and blasting issued by the Directorate General of Mines Safety (No. SZ/ BGR/ KL/ PTH/ 106(2)(b)/ P-135/ 2014-15/829 dt. 19.05.2015) (Pages A38 to A46)</p> <p><b><u>Annexure G.31(4)</u></b> – Copy of license (No. E/ SC/ KL/ 22/ 1285 (E56732) dt. 10.02.2016 valid up to 31.03.2021) issued by the Petroleum and Explosives</p>
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			<p>Safety Organization for possession for use of explosives from magazine. (Pages A47 to A54)</p> <p><b><u>Annexure G.31(5)</u></b> - Copy of NOC (No. C7-848/2016 dt. 26.01.2016 valid for a period of 12 years from the date of issuing of quarrying lease) issued by District Collector, Pathanamthitta, for quarrying in Government Poramboke Land (Pages A55 to A57)</p>
G32	<p>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.</p>	<p>The company shall abide by the directions of SEIAA Kerala in such a context, if arises.</p>	

G33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	The company shall abide by the directions of SEIAA Kerala in such a context, if arises.	
G34	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.	Strict compliance of the conditions is adhered to.	

G35	<p>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 <a href="http://www.seiaakerala.org">www.seiaakerala.org</a>. 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.</p>	<p>Advertisements regarding the obtaining of Environmental Clearance were given in two newspapers :</p> <ol style="list-style-type: none"> <li>1. Mathrubhumi (Malayalam daily) dt. 30.08.2017 and</li> <li>2. The New Indian Express (English daily) dt. 30.08.2017</li> </ol>	
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G36	<p>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.</p>	<p>Copy of EC has been forwarded to the Secretary, Kalanjoor Grama Panchayath.</p>	
G37	<p>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</p>	<ul style="list-style-type: none"> <li>• Conditions are being complied with. This sixth report is in compliance with the submission of six-monthly compliance reports and is for the period from April to September 2020.</li> <li>• Copy of report on Ambient Air Quality monitoring held on 04.09.2020 is attached as <b>Annexure G.37</b>.</li> </ul>	<p><b>Annexure G.37</b> – Copy of report on Ambient Air Quality Monitoring (Page A58)</p>

	shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA).		
G38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	The conditions of Environmental Clearance are prominently displayed in a metallic board.	
G39	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	Affidavit was submitted to SEIAA.	
G40	No change in mining technology and scope of working should be	<ul style="list-style-type: none"> <li>No change in mining technology and scope of working is proposed at present.</li> </ul>	

	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.	<ul style="list-style-type: none"> <li>• Prior approval of SEIAA shall be sought if any change in mining technology and scope of working is proposed in future.</li> </ul>	
G41	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 area shall be taken.	The condition shall be followed scrupulously.	
G42	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 and transfer points to reduce fugitive emissions.	<ul style="list-style-type: none"> <li>• Monitoring of ambient air quality is done without fail. Copy of the report is attached as <b>Annexure G.37</b>.</li> <li>• Water sprinkling is considerably increased at loading, unloading and transfer points to contain fugitive emissions.</li> </ul>	<b>Annexure G.37</b> – Copy of report on Ambient Air Quality Monitoring (Page A58)

G43	<p>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.</p>	<ul style="list-style-type: none"> <li>• The top soil is dumped in specific sites earmarked for the purpose and shall be used for reclamation and plantation.</li> <li>• Overburden is being stored in pre-determined places within the project area. The height, width and slope of the dump shall be maintained as per the directions contained herein.</li> <li>• The backfilling of the excavated area shall be done during mine closure.</li> </ul>	
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G44	<p>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 desilted particularly after monsoon and maintained properly.</p>	<ul style="list-style-type: none"> <li>• Catch drains are constructed around the mine working area to prevent runoff water and flow of sediments directly into the nearby water body.</li> <li>• Provision is made for periodic regular maintenance of the drains.</li> </ul>	
G45	<p>Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> 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</p>	<p>Provision is made for regular water sprinkling in critical areas such as haul road, loading and unloading point and transfer points for ensuring the Ambient Air Quality parameters are well within the prescribed standard limits.</p>	



	prescribed by the Central Pollution Control Board in this regard.		
G46	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Provision is made for regular water sprinkling in critical areas such as haul road, loading and unloading point and transfer points for containing fugitive dust emissions.	
G47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	In order to control noise, proper timely maintenance of machinery under the supervision of qualified and competent person is being done.	
G48	A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Environment Monitoring Cell (EMC) formed is functional.	
G49	The funds earmarked for environmental protection measures and CSR activities should be kept in separate	The condition shall be followed scrupulously.	

	account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.		
G50	The Regional Office of MoEF&CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data/ information/ monitoring reports.	Full co-operation shall be extended to the officer(s) of the Regional office by furnishing the requisite data/ information/ monitoring reports, as and when it is sought.	
G51	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	No appeal sought for the present project.	
G52	Concealing the factual data or submission of false/fabricated	Shall abide by the stipulations of SEIAA in such a context, if arises.	

	data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.		
G53	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Shall abide by the stipulations of SEIAA in such a context, if arises.	
G54	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority of the same project.	It is assured that we shall oblige with the directions issued by SEIAA from time to time.	

G55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.	Shall abide by the condition and renewal application shall be submitted well before the expiry of validity period specified herein.	
G56	The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	No litigation is pending in any Court of Law at present with respect to this project.	
G57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The present depth of mining is still above the ground level and the condition shall be scrupulously followed as the mining progresses.	
G58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area.	Conditions are being followed scrupulously.	
G59	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.	The condition shall be followed scrupulously.	

G60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six-monthly reports to SEIAA.	The condition shall be followed scrupulously.	
G61	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.	Regular health check-ups are being conducted for workers engaged for the present project.	

# IV. ANNEXURE





GOVERNMENT OF KERALA

No 36528/Funds-2/18/Fin

Finance Fund Department  
Thiruvananthapuram  
Dated 15-05-2020

From:

Additional Chief Secretary(Finance)  
Govt. Secretariat,  
Thiruvananthapuram.

To:

MAVANAL GRANITES PRIVATE LTD, PATHANAMTHITTA,

Sir/Madam,

**Sub : Contribution received towards Chief Minister's Distress Relief Fund - Receipt  
Forwarding- Reg.**

Please find enclosed receipt for your valuable contribution towards Chief Minister's Distress Relief Fund vide your No FB90604 for ₹. 750000 /- (Rupees Seven Lakh Fifty Thousands only)

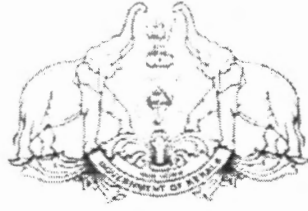
**Thanking you**

Yours faithfully

Additional Chief Secretary(Finance)

Encl Receipt No C3313340 dated 15-05-2020 for ₹. 750000 /-





## CHIEF MINISTER'S DISTRESS RELIEF FUND KERALA

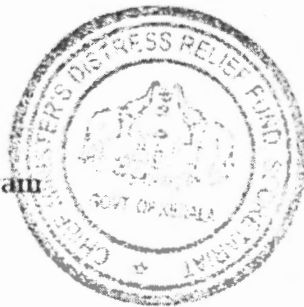
**B No : C3313340**

Received with thanks the sum of ₹. 750000/- (Rupees Seven Lakh Fifty Thousands only) from MAVANAL GRANITES PRIVATE LTD, PATHANAMTHITTA as donation towards '**Chief Minister's Distress Relief Fund**'.

Contribution to CMDRF is **100% tax exempt** under Section 80G(2) of the Income Tax Act, 1961 vide **PAN No. AAAGD0584M**.



Thiruvananthapuram  
15-05-2020



*[Signature]*  
Additional Chief Secretary(Finance)  
Treasurer  
Chief Minister's Distress Relief Fund



## KERALA STATE POLLUTION CONTROL BOARD

FILE NO. : PCB/PTA/ICO/QR-9/2007

Date of issue : 24/10/2020

## INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : QCO/PTA/02/R4/2020

Ref: 1. CONSENT NO: QCO/PTA/02/R3/2016, DATE OF ISSUE: 23/05/2016, VALID UP TO: 30/06/2019

2. CONSENT NO: QCO/PTA/02/R3/EXP/17, DATE OF ISSUE: 15/11/2017, VALID UP TO: 31/10/2020

3. ONLINE APPLICATION NO: 13945329

The 'Integrated Consent to Operate' issued as per reference above to M/s QUARRY OF MAVANAL GRANITES PVT LTD, SURVEY NO: 288/1, PADAM P.O, KALANJOOR, KONNI, PATHANAMTHITTA is hereby renewed up to 15.08.2022 and issued to M/s QUARRY OF MAVANAL GRANITES PVT LTD, SURVEY NO: 288/1, PADAM P.O, KALANJOOR, KONNI, PATHANAMTHITTA. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

## I. GENERAL

S.No.	Items	Description
1	1.05. Survey Number	288/1, BL.32 (TOTAL AREA OF 5.2377 HECTARES)
2	1.12. Annual Fee/Fee remitted	Rs. 30,000/-, Rs. 1,53,334/- (Excess fee- Rs. 85,834/-)

## II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm <sup>3</sup> /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

## III. CONDITIONS

3.1 The consent unless withdrawn earlier 2 shall be valid up to 15.08.2022. For renewal of consent, application may be submitted online 2 months in advance of expiry of validity date, along with the re-validated Environmental Clearance Certificate.

3.2 The consent issued will be valid only for the period when all other statutory or necessary clearances from other concerned authorities are valid.

3.3 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water and land pollution.

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

SUCHITRA V Digitally signed by SUCHITRA V  
Date: 2020.10.24 23:31:41 +05'30

DATE :24/10/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER



To

Sri.K.N. Madhusoodhanan  
Sreenikethan  
Kalanjoor P.O.  
Pathanamthitta-689694

**1. This digitally signed document is legally valid as per the Information Technology Act 2000**

2. For verifying this document please go to [krocmms.nic.in](http://krocmms.nic.in) and search using date of issue/name of the unit Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.



# **KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. : PCB/PTA/ICO/CR/62/2013

Date of issue : 30/10/2020

## **INTEGRATED CONSENT TO OPERATE - RENEWAL**

Consent No : ICO/PTA/CR/52/R1/2020

Ref : 1.CONSENT NO:ICO/PTA/CR/52/2017, DATE OF ISSUE:19/12/2017,VALID UP TO:31/12/2020

2.ONLINE APPLICATION NO:13947508

The Integrated Consent to Operate issued as per reference above to M/s MAVANAL GRANITES Pvt Ltd., KALLIPPARA, NIRATHUPARA P.O, KOODAL, PATHANAMTHITTA is hereby renewed up to 31/12/2025 and issued to M/s MAVANAL GRANITES Pvt Ltd., KALLIPPARA, NIRATHUPARA P O, KOODAL, PATHANAMTHITTA. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

### **I. GENERAL**

S.No.	Items	Description
1	1.12. Annual Fee/Fee remitted	Rs.50,320, Rs.3,00,114/-
2	1.13. Capital Investment ( Rs.in lakhs)	883
3	1.16. Total Power required(HP)	1000 ( Primary Crusher - 250 HP, Cone Crusher- 200 HP, VSI- 300 HP, Conveyors-100 HP,Auxilliarities- 150 HP) DG sets- 725 kVA, 600 kVA

### **II. Stack Details**

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

### **III. CONDITIONS**

3.1 This integrated Consent (renewal) is granted subject to the power of the Board to review and make variation in the conditions or revoke the consent as the Board deems fit.

3.2 The consent unless withdrawn earlier and subject to condition no. 1 & 2 shall be valid up to 31.12.2025. For renewal of the consent, application in the prescribed form shall be submitted to the Board online on or before 31.10.2025 along with a copy of this consent order. Late fee as per norms will be charged for application submitted thereafter.

3.3 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water and land pollution.

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

SUCHITRA V

Digitally signed by SUCHITRA V  
Date: 2020.10.30 20:09:11 +05'30'

DATE : 30/10/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER



To

Sri. K.N. Madhusudhanan  
Sreenikethan.

Kalanjoor P.O., Konni.  
Pathanamthitta- 689694.

1. This digitally signed document is legally valid as per the Information Technology Act, 2000.

2. For verifying this document please go to [krocmms.nic.in](http://krocmms.nic.in) and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.



നമ്പർ: A9-357 (05) /2020

കലഞ്ഞൂർ ഗ്രാമപഞ്ചായത്ത്

1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകൾ

പ്രകാരവും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത

എഫ്.റ്റി.ഇ &amp; ഒ.എസ് ലൈസൻസ് (NEW/ Renewal)

ലൈസൻസുടമസ്ഥന്റെ പേര്/ മേൽവിലാസവും	കെ.എൻ.മധുസൂദനൻ മാനേജിംഗ് ഡയറക്ടർ മാവനാൽ ഗ്രാനൈറ്റ്സ് (പി).ലി രജി. ഓഫീസ്: ശ്രീനീകേതൻ, കലഞ്ഞൂർ
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	ക്രഷർ യൂണിറ്റ് (കൂടൽ വില്ലേജിൽ സർവ്വേ നം., 288/1ൽ (ക്രഷർ യൂണിറ്റ് - എം.സാന്റ്, മെറ്റിൻ, മറ്റ് ക്രഷർ ഉല്പന്നങ്ങൾ നിർമ്മിച്ച് വിപണനം)
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	KP VI - 740, 741
ലൈസൻസിന്റെ കാലാവധി	31/03/2025
ഫീസ്	ലൈസൻസ് : Rs.75, 000/- തൊഴിൽ നികുതി: Rs. 12500 /- M/F- 17650/- Rt. No 11901010500149, 150 , 22/02/2020
സമാപനത്തിന്റെ പേര്	MAVANAL GRANITES (p) Ltd

കലഞ്ഞൂർ ഗ്രാമപഞ്ചായത്ത്

തീയതി: 01.4.2020



സെക്രട്ടറി

(മറുവശം)

MAVANAL GRANITES (p) Ltd  
Kallanthoor Gramapanchayat  
Kallanthoor, Kollam District  
PIN - 686101

A7

മൈനിങ് & ജിയോളജി ഡയറക്ടറുടെ നടപടിക്രമങ്ങൾ

വിഷയം:- ഖനിയും ഖനിജങ്ങളും- ചെറുകിട ധാതു - കരിങ്കല്ല് - മാനേജിംഗ് ഡയറക്ടർ, മെ.മാവനാൽ ഗ്രാനൈറ്റ്സ് (പ്രൈവറ്റ്) ലിമിറ്റഡിന് ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ടയ്ക്ക് അനുവദിച്ചിട്ടുള്ള ക്വാറിയിംഗ് ലീസുകൾ അമാൽഗമേറ്റ് ചെയ്ത് ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു-

- സൂചന:-
1. 7.10.2013 ലെ 454/2013-14/8112/എം3/2013 നമ്പർ നടപടി ഉത്തരവ്
  2. 9.10.2017 ലെ 423/2017-18/8795/എം3/2017/ഡിഎംജി നമ്പർ നടപടി ഉത്തരവ്
  3. പത്തനംതിട്ട ജിയോളജിസ്റ്റിന്റെ 6.11.2017 ലെ 1920/ഡിപിറ്റിഎ/എം/17 നമ്പർ കത്ത്
  4. ശ്രീ.കെ.എൻ.മധുസൂദനൻ, മാനേജിംഗ് ഡയറക്ടർ, മെ.മാവനാൽ ഗ്രാനൈറ്റ്സ് (പ്രൈവറ്റ്) ലിമിറ്റഡ്, ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ടയുടെ 6.11.2017 ലെ അപേക്ഷ
  5. 2015 ലെ കേരള മൈൻ മിനറൽ കൺസഷൻ ചട്ടങ്ങളും 22.6.2017 ലെ ഭേദഗതിയും

നം.528/2017-18/10061/എം3/2017/ഡിഎംജി തീയതി, തിരുവനന്തപുരം 21.11.2017

ഉത്തരവ്

മെ.മാവനാൽ ഗ്രാനൈറ്റ്സ് (പ്രൈവറ്റ്) ലിമിറ്റഡ്, ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ട (മാനേജിംഗ് ഡയറക്ടർ, ശ്രീ.കെ.എൻ.മധുസൂദനൻ) യ്ക്ക് കോന്നി താലൂക്കിൽ, കൂടൽ വില്ലേജിൽ സർവ്വേ നം: 288/1ൽ ഉൾപ്പെട്ട 4.0469 ഹെക്ടർ സ്ഥലത്ത് നിന്നും പ്രതിവർഷം 2,40,000 മെട്രിക് ടൺ നിരക്കിൽ കരിങ്കല്ല് ഖനനം ചെയ്യുന്നതിലേയ്ക്കായി 10 വർഷത്തേയ്ക്ക് സൂചന (1) പ്രകാരം ക്വാറിയിംഗ് ലീസ് അനുവദിച്ചിരുന്നു. ടി ക്വാറിയിംഗ് ലീസ് 17.10.2013ൽ എക്സിക്യൂട്ട് ചെയ്യുകയും ആയതിന്റെ കാലാവധി 2.08.2023ൽ അവസാനിക്കുകയും ചെയ്യുന്നതാണ്.

പ്രസ്തുത സ്ഥാപനത്തിന് സൂചന (2) പ്രകാരം കോന്നി താലൂക്കിൽ കൂടൽ വില്ലേജിൽ സർവ്വേ നം: 288/1ൽ ഉൾപ്പെട്ട 1.1908 ഹെക്ടർ സ്ഥലത്ത് നിന്നും പ്രതിവർഷം 2,10,000 മെട്രിക് ടൺ നിരക്കിൽ കരിങ്കല്ല് ഖനനം ചെയ്യുന്നതിലേയ്ക്കായി 10 വർഷത്തേയ്ക്ക് മറ്റൊരു ക്വാറിയിംഗ് ലീസ് കൂടി അനുവദിച്ച് ഉത്തരവാകുകയും ടി ലീസ് 19.10.2017ൽ എക്സിക്യൂട്ട് ചെയ്യുകയും കാലാവധി 18.10.2027ൽ അവസാനിക്കുകയും ചെയ്യുന്നതാണ്.

മേൽപറഞ്ഞ രണ്ട് ക്വാറിയിങ്ങ് ലീസുകളിലും ഉൾപ്പെട്ട സ്ഥലങ്ങൾ ചേർന്ന് കിടക്കുന്നതാണെന്നും ആയത് അമാൽഗമേറ്റ് ചെയ്ത് ഉത്തരവാകണമെന്നും ആവശ്യപ്പെട്ട് അപേക്ഷാ സ്ഥാപനം സൂചന (4) പ്രകാരം അപേക്ഷ നൽകിയതായും പത്തനംതിട്ട ജിയോളജിസ്റ്റ് സൂചന (3) പ്രകാരം അറിയിച്ചിരുന്നു. അപേക്ഷയും ബന്ധപ്പെട്ട രേഖകളും അമാൽഗമേറ്റ് ചെയ്യുന്ന നടപടികൾക്കായി അയച്ച് തരികയും ചെയ്തിരിക്കുന്നു. ബന്ധപ്പെട്ട രേഖകൾ പരിശോധിച്ചതിൽ നിലവിലെ സാഹചര്യത്തിൽ ഈ രണ്ട് ലീസുകളും വ്യത്യസ്തമായി പ്രവർത്തിക്കുമ്പോൾ രണ്ട് ലീസുകൾക്കുമിടയിലുള്ള 15 മീറ്റർ നീളത്തിലുള്ള സ്ഥലത്ത് ഖനനം അസാധ്യമായി വരുമെന്നും ഒരേ സ്ഥലത്ത് രണ്ട് മൈനിങ് പ്ലാന്റ് പ്രകാരം ഖനനം നടത്തേണ്ടി വരുമെന്നും ബോധ്യപ്പെട്ടു. ആയത്

ക്വാറിയുടെ സുഗമമായ പ്രവർത്തനത്തെ തടസ്സപ്പെടുത്തരുമെന്നും ബോധ്യപ്പെട്ടു. അമാൽഗമേഷന്റെ ആവശ്യത്തിലേയ്ക്കായി രണ്ട് ക്വാറിയിംഗ് ലീസുകളിലും ഉൾപ്പെട്ട സ്ഥലങ്ങളുടെ ഒരുമിച്ചുള്ള സർവ്വേ മാപ്പും ആകെ സ്ഥലത്തേയ്ക്കുള്ള പാരിസ്ഥിതികാനുമതിയും എക്സ്പ്ലോസീവ് ലൈസൻസും മൈനിങ് പ്ലാനും പൊല്യൂഷൻ കൺട്രോൾ ബോർഡിൽനിന്നുള്ള സമ്മതവും ഹാജരാക്കിയിട്ടുണ്ട്.

ഈ സാഹചര്യത്തിൽ താഴെപറയുന്ന ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

മെ.മാവനാൽ ഗ്രാമ്പൈറ്റസ് (പ്രൈവറ്റ്) ലിമിറ്റഡ്, ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ടയ്ക്ക് കോന്നി താലൂക്കിൽ, കൂടൽ വില്ലേജിൽ ബ്ലോക്ക് നം: 32ൽ സർവ്വേ നം: 288/1ൽ ഉൾപ്പെട്ട 4.0469 ഹെക്ടർ സ്ഥലത്തേയ്ക്കുള്ള സൂചന (1) പ്രകാരം അനുവദിച്ച ക്വാറിയിങ് ലീസും 1.1908 ഹെക്ടർ സ്ഥലത്തേയ്ക്ക് സൂചന (2) പ്രകാരം അനുവദിച്ച ക്വാറിയിങ് ലീസും അമാൽഗമേറ്റ് ചെയ്ത് 5.2377 ഹെക്ടർ സ്ഥലത്തുനിന്നും കരിങ്കല്ല് ഖനനം ചെയ്യുവാൻ താഴെപ്പറയുന്ന നിബന്ധനകൾക്ക് വിധേയമായി 2015 ലെ കേരളാ മൈൻ മിനറൽ കൺസഷൻ ചട്ടം 45എ പ്രകാരം അനുമതി നൽകി ഉത്തരവാകുന്നു. അമാൽഗമേറ്റ് ചെയ്ത ലീസുകളുടെ കാലാവധി 02.08.2023ന് അവസാനിക്കുന്നതായിരിക്കും. 02.08.2023 നു ശേഷം ടി ക്വാറികൾ പ്രവർത്തിക്കുന്നതിനായി ക്വാറിയിംഗ് ലീസുകൾ പുതുക്കേണ്ടതുണ്ട്.

1. 2015 ലെ കേരളാ മൈൻ മിനറൽ കൺസഷൻ ചട്ടങ്ങളിലെ വ്യവസ്ഥകൾ പാലിക്കേണ്ടതാണ്.
2. രണ്ട് ക്വാറിയിംഗ് ലീസ് ഉത്തരവുകളിലെയും നിബന്ധനകൾ പൂർണ്ണമായും പാലിക്കേണ്ടതാണ്.
3. ഖനനപ്രവർത്തനം നടത്തേണ്ടത് 5.2377 ഹെക്ടർ സ്ഥലത്തേയ്ക്ക് വകുപ്പ് അംഗീകരിച്ച് നൽകിയ മൈനിങ് പ്ലാൻ പ്രകാരമായിരിക്കണം.
4. രണ്ട് ക്വാറിയിങ് ലീസുകളിൽ ഉൾപ്പെട്ട സ്ഥലത്തുനിന്നുമായി 4,50,000 മെട്രിക് ടൺ കരിങ്കല്ല് ഖനനം ചെയ്യുന്നതിന് അനുമതി ഉണ്ടായിരിക്കും.

ഒപ്പ്

റ്റി.കെ.രാമകൃഷ്ണൻ

മൈനിങ് & ജിയോളജി ഡയറക്ടർ (i/c)

1. മാനേജിംഗ് ഡയറക്ടർ  
മെ.മാവനാൽ ഗ്രാമ്പൈറ്റസ് (പ്രൈവറ്റ്) ലിമിറ്റഡ്  
ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ട ജില്ല, പിൻ 689 694
  2. ശ്രീ.കെ.എൻ.മധുസൂദനൻ  
മാനേജിംഗ് ഡയറക്ടർ  
മെ.മാവനാൽ ഗ്രാമ്പൈറ്റസ് (പ്രൈവറ്റ്) ലിമിറ്റഡ്  
ശ്രീനികേതൻ, കലഞ്ഞൂർ, പത്തനംതിട്ട ജില്ല, പിൻ 689 694
- പകർപ്പ്:-

ജില്ലാ കളക്ടർ, പത്തനംതിട്ട  
ജിയോളജിസ്റ്റ്, ജില്ലാ ഓഫീസ്, പത്തനംതിട്ട  
തഹസീൽദാർ, കോന്നി  
ബ്ലോക്ക് ഫയൽ/ഫയൽ കോപ്പി



(ഉത്തരവിൻ പ്രകാരം)

സീനിയർ സൂപ്രണ്ട്



## PROCEEDINGS OF THE DIRECTOR OF MINING &amp; GEOLOGY

Sub : Mines & Minerals - Minor Minerals - Granite Building Stone - Quarrying lease to K.N.Madhusoodanan, Managing Director M/s. Mavanal Granite (P) Limited, Sreenikethan, Kalanjoor - sanction - orders issued.

- Ref : 1. Application dated 17/8/2013 from M/s. Mavanal Granite (P) Limited, Sreenikethan, Kalanjoor  
 2. Letter No.1939/DOPTA/M/2013.dtd.23/8/2013 from the Sr.Geologist, Dist.Office, Pathanamthitta  
 3. Kerala Minor Mineral Concession Rules, 1967.  
 4. Lr. No.51/SEIAA/KL/7509/2012 dated 8/4/2013 from the Director, Department of Environment and Climate Change, Tvp  
 5. NOC No. 67-29090/2012/D.Dis dated 3/8/2013 of the District Collector, Pathanamthitta

No. 454/2013-14/8112/M3/2013

Dated, Thiruvananthapuram, 7/10/2013

ORDER

A quarrying lease is Granted to K.N.Madhusoodanan, Managing Director, M/s. Mavanal Granite (P) Limited, Sreenikethan, Kalanjoor to quarry Granite Building Stone over an area of 4.0469 hectares of Government land comprised in Survey No.288/1 Block No. 32 of Koodal Village, Adoor Taluk, Pathanamthitta District for 10 (Ten) years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 1967 and as per the survey map issued by the Tahsildar Adoor and NOC issued by the District Collector, Pathanamthitta and submitted by the applicant subject to the under mentioned conditions and the conditions laid down in the Environmental clearance issued by the Department of Environment and Climate Change.

1. Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Mineral Concession Rules, 1967 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realisable under 29(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realisable under 29(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of three months from the date of this order in form 'H' as per Rule 32 of the Kerala Minor Mineral Concession Rules, 1967.
5. The lessee shall also deposit an amount of Rs. 1000/- (Rupees One Thousand only) as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 31 of the said rules. The lessee shall commence quarrying operation only after the deed is executed.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order
8. The production of Granite Building Stone from the area covered under this grant shall be restricted to 2,40,000 M.T (Two lakh & forty thousand Metric Tonnes only) per year during the tenure of this quarrying lease.

9. The lessee should exhibit a signboard and a notice board for the intimation of the public at the entrance of the quarry. The following information should be inscribed on the notice board both in English & Malayalam

For information:

Licence No	Validity period of the permit	Name of permit/ lease holder	Quantity permitted to be extracted
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10. The lessee should provide retention wall/barricade/fencing compound wall surrounding the quarry before the commencement of the quarrying operation for preventing accidents by falling of human beings animals and materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general /public.
11. The lessee should leave a distance of 7.5 m from the adjacent boundary lands while carrying out quarrying operations.
12. The lessee should not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue department as directed by them and the details should be furnished to the Geologist periodically.
14. This is not a license for starting quarrying operations. Quarrying operations can be started only after getting the D & O licence from the concerned Local Self Government Institution under the Kerala Panchayat Raj Act.
15. The lessee shall obtain D&O licence from the LSG Institution and produce before the Geologist before commencement of quarrying operation in the lease hold land .
16. Quarrying operations without a valid D&O licence from LSG Institution shall be treated as illegal and such activity is punishable.
17. All conditions stipulated in the EIA clearance as per reference 4<sup>th</sup> cited is strictly adhered to.
18. Special condition: If the lessee obtain any RMCU registration in future and make excess production of Granite building stone than the permitted quantity on the strength of RMCU registration , he should pay necessary seneorage to Revenue Department for the whole production of GBS since the area is revenue land.

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

Sd/-  
A.PRABHAKUMAR  
DIRECTOR OF MINING & GEOLOGY

To :

K.N.Madhusoodanan,  
Managing Director  
M/s. Mavanal Granite (P) Limited,  
Sreenikethan, Kalanjoor

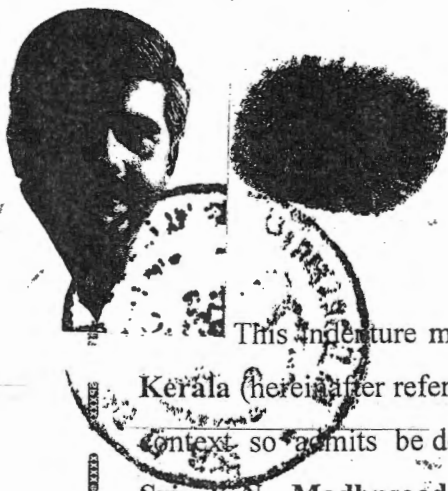
Copy to :

1. The Director of Mines Safety, Bangaluru Region, No. 27, 24<sup>th</sup> Main  
Next to IDBI Bank, V Phase, J.P.Nagar, Bangaluru- 560 078
2. The District Collector, Pathanamthitta
3. The Sr. Geologist, District Office : Pathanamthitta
4. The Tahsildar, Adoor
5. Stock File (2)
6. File Copy

( By Order )  
*Amarendra Kumar*  
7.10.2013  
Senior Superintendent




AA 815102



**FORM - H**  
(See Rule.32)

## QUARRYING LEASE

This indenture made this ... 17<sup>th</sup> day of October 2013 between the Governor of Kerala (hereinafter referred to as the 'State Government' which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and Sri. K.N. Madhusoodanan, Managing Director, Mayanal Granites Private Limited, Sreenikethan, Kalanjoor, Pathanamthitta District, aged 55 years, S/o. P.K. Narayana Panicker resident of Sreenikethan, Kalanjoor, Pathanamthitta in the village of Kalanjoor, Taluk of Adoor, Pathanamthitta District (hereinafter called the 'lessee' which expression shall where the context so admits, include his heirs, executors, administrators, representatives and permitted assigns) of the other part.

  
C. THAMBU CHERIAN  
Senior Geologist  
Dept. of Mining & Geology  
District Office Pathanamthitta

**K.N. MADHUSOODANAN**  
Managing Director  
Mavanal Granites Private Limited,  
Sreenikethan, Kalanjoor,  
Pathanamthitta

A12

[illegible]

[illegible]

K.N. MADHUSODANAN

~~Sasthalingal~~  
Sreenikethan

Managing Director

Mavanal Granites Porvair-Limited  
Kalamyoor.

21st day of October 2013  
 G. Sasannathina  
 Sub Registrar

G. Sasannathina  
Sub Registrar



Sharon

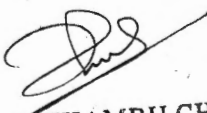
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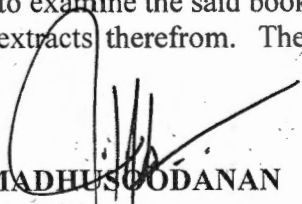
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Witnesseth that in consideration of the rents and royalties and lessee covenants, hereinafter reserved and contained the State Government doth hereby demise unto the lessee the Patta land measuring **4.0469 hectares** described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of **10 years (Ten only)** commencing from **..17..10..2013** and ending on **..2..8..2023.....** for the purposes of extracting minor mineral and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 1967 (herinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing.

1. The lessee shall have the right in and upon the said lands to extract **Granite Building Stone** (hereinafter called the said mineral) and to do all acts necessary for the extraction of the said mineral including the erection on the said lands, buildings and plant required for the purposes and also to take lead and carry away over the said lands and to dispose of the said minerals extracted as aforesaid.
2. The lessee shall during the subsistence of this lease have the liberty to work the said mineral and remove the same from the quarry hold on permits issued by the competent authority or any other officer authorized by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in Schedule 1 to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.
3. The lessee shall pay to the State Government a yearly Surface Rent equal to the land revenue if any, assessable under the rules for the time being in force, or if the land be the property of Government or in the reserve forest then equal to land revenue plus cess, if any, per hectare of the land the surface whereof shall be occupied or used by the lessee for any of the purposes of this demise and so in proportion for any area less than a hectare. The said surface rent shall be paid by yearly payments; the first of such payments to be made on or before the last day of the first year of occupation provided always that no such rent shall be paid or demanded in respect of any roads or ways now in existence.
4. The lessee shall at all time during the currency of this demise keep correct and intelligible books of account showing accurately the quantity of the said mineral extracted and the weight and value of the said mineral sold or exported together with the names of the purchasers or consignees. The lessee shall also, maintain a register of employees showing therein separately men, women and children employed daily and shall at all reasonable times allow the competent authority appointed under the rules (hereinafter referred to as 'competent authority') or the officer authorized by him to examine the said books of account and the register of employees and to take copies and extracts therefrom. The lessee shall submit reports in forms F and G on the specified dates.


  
**C. THAMBU CHERIAN**  
 Senior Geologist  
 Dept. of Mining & Geology  
 District Office Pathanamthitta

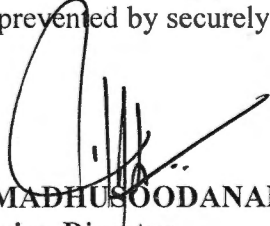
  
**K.N. MADHUSOODANAN**  
 Managing Director  
 Mavanal Granites Private Limited,  
 Sreenikethan, Kalanjoor,  
 Pathanamthitta

**A14**



5. All sums found due under or by virtue of this deed from the lessee may be recovered from him jointly and severally from them and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue or in any other manner as the State Government may deem fit.
6. The lessee shall at the lessee's own expense erect and at all times maintain and keep in repair boundary marks and pillars along the boundaries of the said lands according to the demarcation shown in the plan hereto annexed.
7. No quarrying operation or working shall be carried on or permitted to be carried on by the lessee in or under the said lands at any point within a distance of 75 metres from any railway line except with the previous permission in writing of the railway administration concerned; and from any bridge on the National Highway or 50 metres from any reservoir, canal or other public works such as public roads and buildings or inhabited site, burial ground, etc., shown on the plan thereto annexed except with the previous permission in writing of the State Government or otherwise than in accordance with such instructions, restrictions and condition either general or special which may be attached to such permission. The said distance of 50 metres shall be measured in the case of a railway, reservoir or canal horizontally from the outer edge of the bank or outer edge of the cutting, as the case may be and in the case of building horizontally from the plinth thereof. In the case of village roads no workings shall be carried on within a distance of 10 metres of the outer edge of the cutting except with the previous permission in writing of the State Government. For the purposes of this clause the expression "railway and railway administration" shall have the same meaning as defined in sub sections (4) and (6) of section 3 of Indian Railway Act, 1890 (IX of 1890).
8. The sides of open workings shall be sloped, stepped or secured by the lessee in such a manner as to prevent danger from falls of material, when an open working is worked in steps, steps shall be of sufficient breadth in relation to their height to secure safety. In open workings trees liable to fall and all loose ground and material shall be removed by the lessee sufficiently far from the edge or otherwise made secure in order to prevent danger to persons employed in the quarry.
9. If a working place is found to be unsafe all persons shall be withdrawn by the lessee immediately from the dangerous area and all access to such working place except for the purpose of removing the danger of saving life shall be prevented by securely fencing the full width of all entrances to the place.

  
**C. THAMBU CHEREAN**  
 Senior Geologist  
 Dept. of Mining & Geology  
 District Office Pathanamthitta

  
**K.N. MADHUSOODANAN**  
 Managing Director  
 Mavanal Granites Private Limited,  
 Sreenikethan, Kalanjoor,  
 Pathanamthitta

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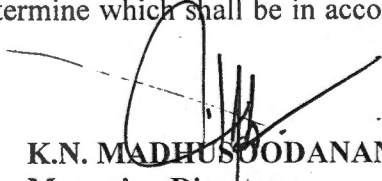
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P.P. Ninas  
District Registrar



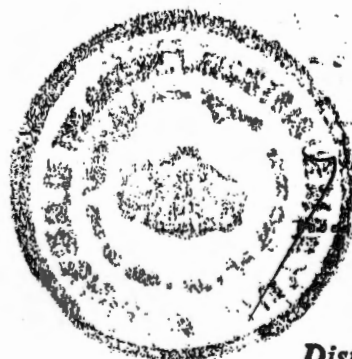
10. The lessee shall at all reasonable times allow any officer authorized by the Central Government or by the State Government in that behalf to inspect the said lands and the buildings and plants erected thereon and the lessee shall assist such persons in conducting the inspection and afford them all information they may reasonably require, and shall conform to and observe all orders which the Central and State Governments as the result of such inspection or otherwise, may from time to time pass.
- 10A. The lessee shall be responsible for implementing the provisions of the various labour laws applicable, from time to time, to the quarry.
11. The lessee shall not assign or underlet the said lands or any part thereof or the rights or privileges, therein hereby granted or any of them without the previous permission in writing of the competent authority.
- 11A. Where the lease or any right, title or interest therein has been assigned, sublet or transferred as provided in rule 34 read with condition 11, then the person in whose favour such assignment, sublease or transfer has been made shall be responsible for implementing the provisions of the various labour laws applicable, from time to time, to the quarry.
12. The lease may be surrendered by the lessee at any time after three months notice in writing to the competent authority.
- Provided that the lessee has paid all sums due on account of the lease. Provided further that if the lessee elects to determine this lease before the expiry of the term of the lease, shall pay in addition to other dues a sum equal to the dead rent payable for the remaining part of the term of the lease deed.
13. On the expiration of the term of this lease or on its earlier determination under clause 12 the lessee shall pay to the State Government for all land which has been rendered useless for agriculture through the exercise of the powers demised by this lease such sum as the District Collector may fix as equivalent to the capitalised value or the land revenue of such land rendered useless. The lease shall continue if the sums are not cleared before the date of determination of notice.
14. If the lessee shall be desirous of taking a further lease of the said lands for a further term of years he shall give three months previous notice in writing of such desire to the competent authority and if the lessee has duly observed all the conditions of this lease, the competent authority may agree to renew the lease for such further term and on such terms and conditions as the competent authority may determine which shall be in accordance with the provisions of these Rules.

  
 C. THAMBU CHETTIAR  
 Senior Geologist  
 Dept. of Mining & Geology  
 District Office Pathanamthitta

  
 K.N. MADHUSOODANAN  
 Managing Director  
 Mavalan Granites Private Limited,  
 Sreenikethan, Kalanjoor,  
 Pathanamthitta

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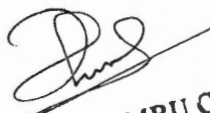


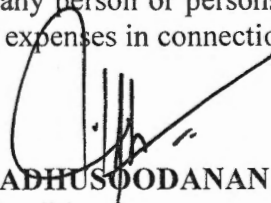
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P.P. Ninan  
District Registrar / Collector

15. If the lessee shall at any time during the said term use the said lands or any part thereof in any manner other than as authorised by this lease or fail to carry on quarrying operations continuously without sufficient cause of which the competent authority shall be the judge or shall commit a breach of any of the conditions of this lease it shall be lawful for the competent authority to cancel this lease and take possession of the said lands or the alternative to receive from the lessee such penalty for the breach not exceeding 5 times the amount of the said yearly dead rent as the competent authority may fix.
16. If at the expiration of three calendar months after the expiry of the lease or its sooner determination, there shall remain in or upon this said lands, any engines, machinery, plant buildings, structures and other works erections and conveniences the said minerals or other property which the lessee is entitled to remove from the said lands, the same shall, if not removed by the lessee within one calendar month after notice in writing requiring their removal be given to the lessee by the competent authority be deemed to become the property of the State Government in such manner as they may deem fit without liability to pay any compensation or to account to the lessee in respect thereof.
17. This lease is subject to all rules and regulations which may from time to time be issued by the State Government regulating the working of the quarries and other matters affecting safety, health and convenience of the lessee's employees or of the public, whether under the Indian Mines Act or otherwise.
18. The lessee shall without delay send to the District Collector and the competent authority or the officer authorised by him in this regard report of any accident causing loss of life or serious bodily injuries or seriously affecting or endangering life or property which may at any time occur at or in the said lands in the course of operations under this lease.
19. The lessee shall furnish such reports and returns relating to output, labourers employed and other matters as the State Government may prescribe.
20. The lessee shall make and pay such reasonable satisfaction and compensation as may be assessed by lawful authority in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by him in exercise of the powers granted by this lease and shall indemnify and shall keep indemnified fully and completely the State Government against all claims which may be made by any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection herewith.

  
**C. THAMBU CHERIAN**  
Senior Geologist  
Dept. of Mining & Geology  
District Office Pathanamthitta

  
**K.N. MADHUSOODANAN**  
Managing Director  
Mavalan Granites Private Limited,  
Sreenikethan, Kalanjoor,  
Pathanamthitta

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[Signature]



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P.P. Nnan  
District Registrar / Collector

21. Any condition prescribed in the Kerala Minor Mineral Concession Rules, 1967, but left out in this lease which may be found applicable to the lessee shall be treated as binding on the lessee. In this case anticipated royalty for the mineral at the rate of ₹16/- (Rupees Sixteen only) per tonne for a period of one year is ~~₹38,40,000/-~~ (Rupees Thirtyeight lakhs and forty thousand only).
22. Dead Rent realisable at the rate of - 1<sup>st</sup> year ₹ nil, 2<sup>nd</sup> year ₹200/- and third year onwards ₹800/- per hectare subject to revision from time to time. Surface Rent at the rate of ₹100/- (Rupees One hundred only) per hectare for one year is for ₹405/- (Rupees four hundred and five only). Security deposit is ₹1000/- (Rupees One thousand only).


Two duplicate copies are also presented for Registration.

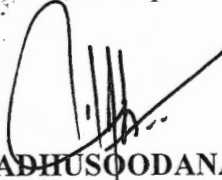
The Schedule above referred to Description of Land

District Taluk	Village or Amsam	Re Survey/ Survey No. of the area	Area in hectares
Pathanamthitta, Adoor	Koodal Village	Block No. 32, Sy. 288/1pt.	4.0469

Bounded by Survey Nos:

On the North by Sy. No. : 271, 272, 273, 274.  
 On the East by Sy. No. : 274, 275, 276, 280.  
 On the South by Sy. No. : 253, 254, 255, 288/1pt.  
 On the West by Sy. No. : 254, 256, 288/1pt.

  
 C. THAMBU CHELVANATHAN  
 Senior Geologist  
 Dept. of Mining & Geology  
 District Office Pathanamthitta

  
 K.N. MADHUSOODANAN  
 Managing Director  
 Mavalan Granites Private Limited,  
 Sreenikethan, Kalanjoor,  
 Pathanamthitta

A22



**District** *Region*

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

Signed by



**C. THAMBU CHERIAN**  
Senior Geologist

Dept. of Mining & Geology

District Office Pathanamthitta

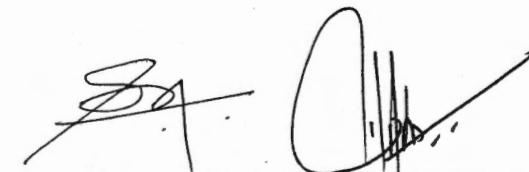
(For and on behalf of the Governor of Kerala)

In the presence of

1. S. Shreeja  
Asst. Geologist  
Mining & Geology,  
District Office Pathanamthitta



2. Sreyas P  
Asst. Geologist  
Mining & Geology  
District Office  
Pathanamthitta



Signed by

**K.N. MADHUSOODANAN**

Managing Director

Mavanal Granites Private Limited,

Sreenikethan, Kalanjoor

Pathanamthitta

(For and on behalf of the lessee)

In the presence of

1. K.M. Sadasivan  
Kumarakudi Arumvihar,  
Thottamam - Ranni



2. Manoj. G.  
Niravul  
Aluvannal PO  
Koodal



Prepared by M. Thulasidas

Corrections and inter-lineations.

: NIL

Kochambalathil veedu, Elamannoor  
Licence No. DNA256

**K.N. MADHUSOODANAN**

Managing Director

Mavanal Granites Private Limited,

Sreenikethan, Kalanjoor,

Pathanamthitta

Duplicate I :- Two duplicates are registered along with the original. In the first duplicate, there is no difference between the original and duplicate. In the duplicate scoring and interlineations are nil.

Compared / Reader Shree Mathew. M. S.  
by / Examiner Radhika Raj Lax ~~Shree~~


Eradiamangalam.

21/10/13



G. Susanna

Sub Registrar

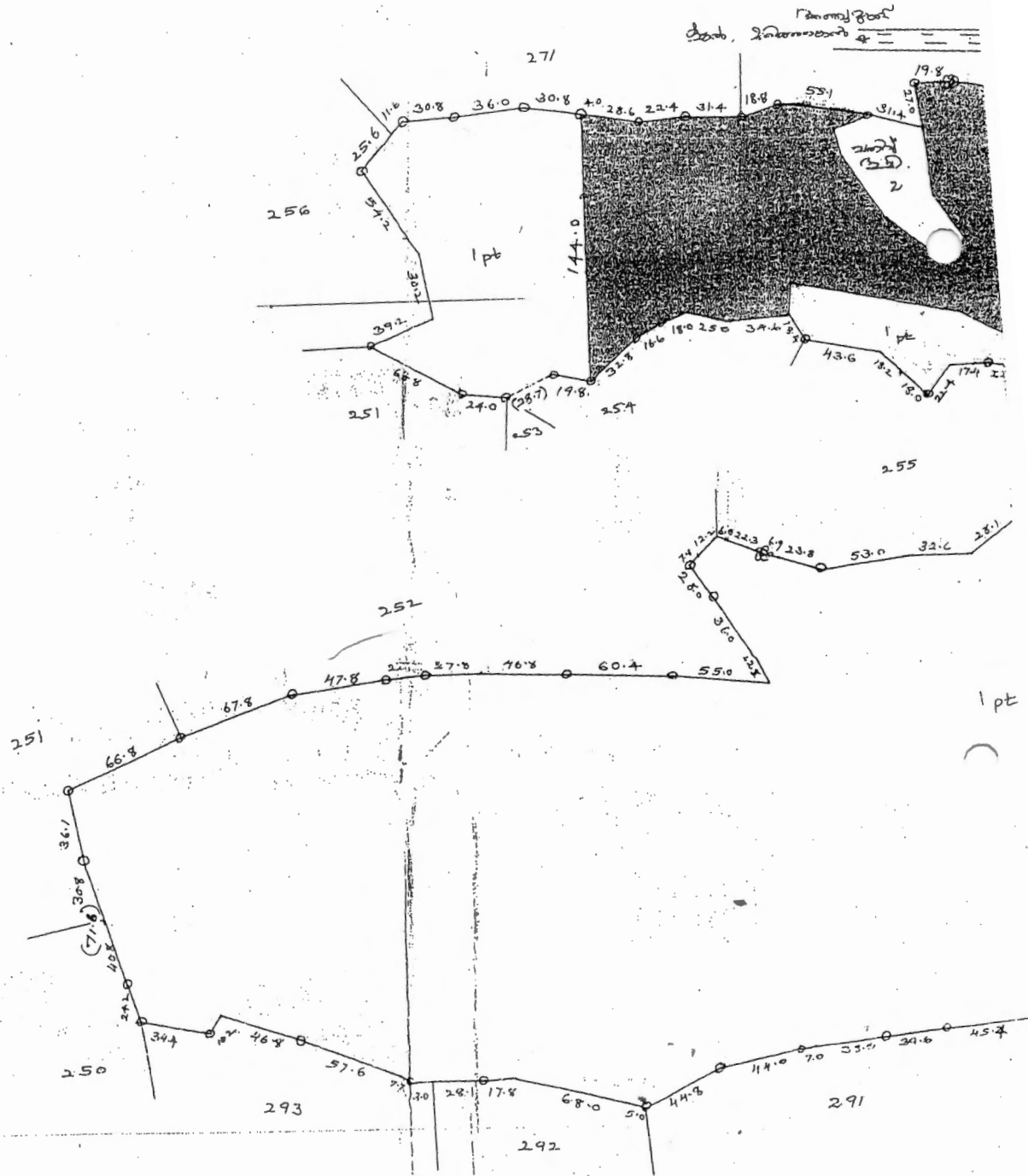
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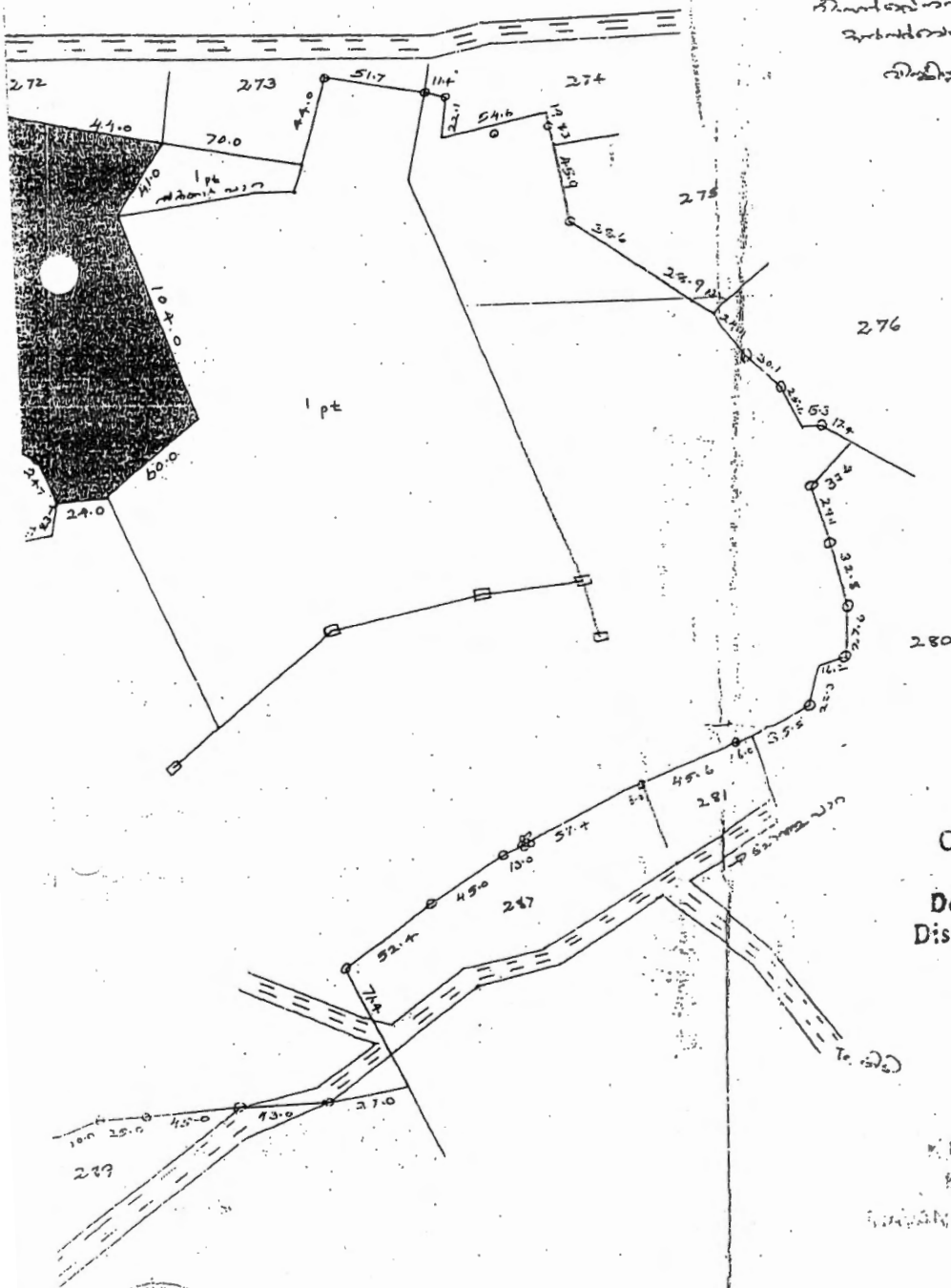
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തിരിച്ച : പത്തനംതിട്ട  
 നല്ലൂർ : നല്ലൂർ  
 തിരിച്ച : പാലക്കാട്  
 പാലക്കാട് : 32  
 തിരിച്ച : 255/1 (പാലക്കാട്)  
 പാലക്കാട് : 901/A  
 തിരിച്ച : 32.34 നല്ലൂർ



C. THAMBU CHERIAN,  
Senior Geologist  
Dept. of Mining & Geology  
District Office Pathanamthitta

M. K. Madhusoodanan  
Managing Director  
SUGANAL GRANITES PVT. LTD.



DEPUTY COLLECTOR (LR)  
PATHANAMTHITTA

Counter signed  
By: [Signature]  
[Signature]  
[Signature]

Prepared by

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## PROCEEDINGS OF THE DIRECTOR OF MINING &amp; GEOLOGY

5: Mining & Geology - Mines & Minerals - Minor Minerals – Granite Building Stone – Quarrying Lease to **M/s. Mavalan Granites Private Limited, Sreenikethan, Kalanjoor. P. O, Pathanamthitta District – 689 694 (Represented by its Managing Director, Shri. K. N. Madhusoodanan)** – sanctioned – orders – issued.

1. Application dtd. 15/02/2016 from **M/s. Mavalan Granites Private Limited, Sreenikethan, Kalanjoor. P. O, Pathanamthitta District – 689 694 (Represented by its Managing Director, Shri. K. N. Madhusoodanan)**
2. Letter No. 830/DOPTA/M/2017 dtd. 20/09/2017 from the Geologist, District Office, Pathanamthitta.
3. Pro.order. No. 81/SEIAA/KL/183/2013 dtd. 16/08/2017 of the State Environmental Impact Assessment Authority, Thiruvananthapuram, Kerala
4. Kerala Minor Mineral Concession Rules, 2015.

**S. 423/2017-18/8795/M3/2017/DMG**

**Dated, Thiruvananthapuram**

**09/10/2017**

**ORDER**

A quarrying lease is granted to **M/s. Mavalan Granites Private Limited, Sreenikethan, Kalanjoor. P. O, Pathanamthitta District – 689 694 (Represented by its Managing Director, Shri. K. N. Madhusoodanan)** to quarry **Granite (Building Stone)** over an area of **1.1908 Hectares** and comprised in **Sy. No. 288/1 of Koodal Village, Konni Taluk, Pathanamthitta District for Ten** years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the **Tahsildar, Konni** and approved Mining Plan and environmental clearance submitted by the applicant subject to the above mentioned conditions.

Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.

Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.

Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.

The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.

The lessee shall also deposit an amount of Rs 10,000/- (Rupees ten thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.

The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.

The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.

The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to **2,10,000 Metric Tonnes** per year.

- i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession number and date, the mineral to be extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable), Area of extraction permitted, explosives used (if any), etc.

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- (ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, 100 metres away by the side of the road leading to it.
10. The lessee shall fence the lease area before the commencement of the quarrying operation for preventing accidents by falling of human beings, animals, vehicles or any materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.
11. The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties including government puramboke land while carrying out quarrying operations.
12. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by them.
15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
16. The lessee shall produce scheme of mining before completion of five years of operation of the quarry.
17. The lessee shall produce a financial guarantee for Rs. 1,00,000/- (Rupees one lakh only) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.

The lessee shall not carryout mining operations in the area unless he obtains order of amalgamation for the entire area of quarrying , ie., 5.2377 Hectares, for which he has obtained NOC from the District Collector, Pathanamthitta. The lessee shall also obtain statutory licences for operating the quarry in an area of 5.2377 Hectares, for which he has obtained NOC from the District Collector, Pathanamthitta. The lessee shall carryout mining operations as per the approved mining plan.

The lessee shall renew Environmental Clearance on or before **15/08/2022** for the operation of the quarry for the remaining period.

The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.

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

Sd/-

**T.K. Ramakrishnan**  
**DIRECTOR OF MINING & GEOLOGY (I/C)**

**M/s. Mavalan Granites Private Limited, Sreenikethan, Kalanjoor. P. O,**  
**Pathanamthitta District – 689 694 (Represented by its Managing Director,**  
**Shri. K. N. Madhusoodanan)**

1. The Director of Mines Safety,  
No.5, 100FT,Road,17<sup>th</sup> Main, Koramangala 4<sup>th</sup> Block  
Bengaluru, Karnataka - 560034
2. The District Collector, Pathanamthitta
3. The Geologist, District Office, Pathanamthitta
4. The Tahsildar, Konni
5. Stock File (2),File copy

(BY ORDER)

*[Signature]*  
09/10/2017



**SENIOR SUPERINTENDENT**

**A29**

भारतीय गैर न्यायिक

भारत INDIA

Certified that on production of the original instrument I have satisfied myself that the original instrument bears a stamp duty of Rupees 4,04,280/- (Four lakh four thousand and eighty only)

पाच सा रुपये

Enadimangalam.

26/10/2017

सत्यमेव जयते

Rs. 500

INDIA NON JUDICIAL

Subregistrar

F 175587

FORM H  
(See Rule 43)  
QUARRYING LEASE

This deed of lease made on this the.....15<sup>th</sup>..... day of October.....2017 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and **M/s. Mavalan Granites Private Limited, Sreenikethan, Kalanjoor. P. O, Pathanamthitta District (Represented by its Managing Director, Shri. K. N. Madhusoodanan, Son of P. K. Narayana Panicker, Aged 59 years, residing at Sreenikethan, Kalanjoor. P. O, Kalanjoor Village, Konni Taluk, Pathanamthitta District – 689 694)** (hereinafter called

KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
P.O. Civil Station, Aranmula.

**K.N.Madhusoodanan**  
Managing Director,  
M/sMavanal Granites Private Ltd,  
Sreenikethan,Kalcnjoor P.o,Konni,Pathanamthitta

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[illegible]

Dolt No-1007/1/2017

Presented in the office of the Sub Registrar of Enadimangalam  
on 26.10.2017 with photograph and finger prints of the  
~~presentant (Lessee)~~ with photograph and finger prints of the  
presentant (Lessee) affixed under section 32(A) of Registration  
Act and paid a fee of Rupees 1020/- (Through Treasury payment)  
at 2.50 PM on the 26th day of October 2017 by

K.N. Madhusoodanan

Residing at Sreenikethan.

26th day of October 2017

MINI KAVIRAJ  
SUB REGISTRAR

Execution admitted by

K.N. Madhusoodanan

S/o. P.K. Narayanapandicker, managing Director  
M/s. Maranal Granites Private Ltd, Residing at  
Sreenikethan, Kalanjoor.

I have satisfied myself as to the execution of  
the instrument by Krishnendu N.R. Geologist, Dept: of  
mining and geology District office Pathanamthitta,  
who is exempted from personal appearance  
under section 88(1) of Indian Rego Act.

26th day of October 2017

MINI KAVIRAJ  
SUB REGISTRAR

Dolt No. 1007 of 2017



the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and lessee's/Lessees' covenants, hereinafter reserved and contained the State Government hereby give on lease to the lessee/lessees the land measuring **1.1908 hectares** described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of **Ten (10) years** commencing from the **19.10.2017**.....and ending on the **18.10.2027**. for the purposes of extracting minor mineral/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing

1. The lessee/lessees shall have the right in and upon the said lands to extract Granite Building Stone (here in after called the said mineral/minerals) and to do all acts necessary for the extraction of the said mineral/minerals including the erection on the said lands, buildings and plant required for the purposes and also to take lead and carry away over the said lands and to dispose of the said minerals extracted as aforesaid.
2. The lessee/lessees shall during the subsistence of this lease have the liberty to work the said mineral/minerals and remove the same from the leasehold on permits issued by the State Government/competent authority or any other officer authorized by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in Schedule I to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.
3. The lessee/lessees shall pay to the State Government a yearly surface rent equal to the land revenue if any, assessable under the rules for the time being in force, or if the land be the property of Government or in reserve forest then equal to the land revenue plus cess, if any, per hectare of the land the surface whereof shall be occupied or used by the lessee/lessees for any of the purposes of this deed and so in proportion for any area less than one hectare. The said surface rent shall be paid by yearly payments; the first

K. N. Madhusoodanan  
19.10.17  
KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

K.N. Madhusoodanan  
Managing Director,  
M/s Mavānal Granites Private Ltd,  
Sreenikethan, Kalanjoor P.O, Konni, Pathanamthitta

Identified the first executant by  
the above said K.N. Madhusoodanan  
S/o. P.K. Narayanapanicker residing at  
Greenikeethan Kalarjoot is personally known to me.  
26<sup>th</sup> day of October 2017

MINI KAVIRAJ  
SUB REGISTRAR

Registered as No 1007 of 2017 Book I  
Volume 494 Pages from 45 to 152  
8 sheets 2<sup>nd</sup> sheet two duplicates registered  
with the original  
26<sup>th</sup> day of October 2017

MINI KAVIRAJ  
SUB REGISTRAR

Returned to the Authorised person  
with the duplicates





worked in steps, steps shall be of sufficient breadth in relation to their height to secure safety. In open workings trees liable to fall and all loose ground and material shall be removed by the lessee sufficiently far from the edge or otherwise made source in order to prevent danger to persons employed in the quarry.

9. If a working place is found to be unsafe all persons shall be withdrawn by the lessee/lessees immediately from the dangerous area and all access to such working place except for the purpose of removing the danger of saving life shall be prevented by securely fencing the full width of all entrances to the place.
10. The lessee/lessees shall at all reasonable times allow any officer authorised by the Central Government or by the State Government in that behalf to inspect the said lands and the buildings and plants erected thereon and the lessee/lessees shall assist such persons in conducting the inspection and afford them all information they may reasonably require, and shall conform to and observe all orders which the Central and State Governments as the result of such inspection or otherwise, may from time to time pass.
11. The lessee shall be responsible for implementing the provisions of the Various labour laws applicable, from time to time, to the quarry.
12. The lessee/lessees shall not assign or underlet the said lands or any part thereof or the rights or privileges, therein hereby granted or any of them without the previous permission in writing of the State Government / competent authority.
13. Where the lease or any right, title or interest therein has been assigned, sublet or transferred as provided in rule 45 read with condition 12, then the person in whose favour such assignment, sublease or transfer has been made shall be responsible for implementing the provisions of the various labour laws applicable, from time to time, to the quarry.
14. The lease may be surrendered by the lessee/lessees at any time after 3 months notice in writing to the State Government/competent authority provided the lessee/lessees has/have paid all sums due on account of the lease: Provided that if the lessee/lessees elects/elect to determine this lease before the expiry of the term of the lease, shall pay in addition to other

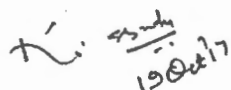
*K. N. R.*  
19 Oct 17  
KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

*K.N. Madhusoodanan*  
K.N. Madhusoodanan  
Managing Director,  
M/s Mavanal Granites Private Ltd,  
Sreenikethan, Kalanjoor P.O, Konni, Pathanamthitta

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dues a sum equal to the dead rent payable for the remaining part of the term of the lease deed.

15. If the lessee/lessees shall be desirous of taking a further lease of the said lands he/they shall give three months' previous notice in writing of such desire to the State Government/competent authority and if the lessee/lessees has/have duly observed all the conditions of this lease, the State Government/competent authority may agree to renew the lease for such further term and on such terms and conditions as the State Government/competent authority may determine which shall be in accordance with the provisions of these rules.
16. If the lessee/lessees shall at any time during the said term use the said lands or any part thereof in any manner other than as authorised by this lease or fail to carry on quarrying operations continuously without sufficient cause of which the State Government/competent authority shall be the judge or shall commit a breach of any of the conditions of this lease it shall be lawful for the State Government/competent authority to cancel this lease and take possession of the said lands or the alternative to receive from the lessee/lessees such penalty not exceeding Rs. 25,000/- (Rupees twenty five thousand only) for the breach as the State Government/competent authority may fix.
17. If at the expiration of three calendar months after the expiry of the lease or its sooner determination, there shall remain in or the said lands, any engines, machinery, plant buildings, structures and other works erections and conveniences the said minerals or other property which the lessee is/lessees are entitled to remove from the said lands, the same shall, if not removed by the lessee/lessees within one calendar month after notice in writing requiring their removal be given to the lessee/lessees by the State Government/competent authority be deemed to become the property of the State Government in such manner as they may deem fit without liability to pay any compensation or to account to the lessee/lessees in respect thereof.
18. This lease subject to all rules and regulations which may from time to time be issued by the State Government regulating the working of the quarries and other matters affecting safety, health and convenience of the

  
KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

  
K.N. Madhusoodanan  
Managing Director,  
M/sMavanal Granites Private Ltd,  
Sreenikethan, Kalanjoor P.o, Konni, Pathanamthitta

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lessee's/lessees' employees or of the public, whether under the Indian Mines Act or otherwise.

19. The lessee/lessees shall without delay send to the District Collector and the competent authority or the officer authorised by him in this regard report of any accident causing loss of life or serious bodily injuries or seriously affecting or endangering life or property which may at any time occur at or in the said lands in the course of operations under this lease.
20. The lessee/lessees shall furnish such reports and returns relating to output, labourers employed and other matters as the State Government may prescribe.
21. The lessee/lessees shall make and pay such reasonable compensation as may be assessed by lawful authority in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by him/them in exercise of the powers granted by this lease and shall indemnify and shall keep indemnified fully and completely the State Government against all claims which may be made by any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.
22. Any condition prescribed in the Kerala Minor Mineral Concession Rules, 2015 but left out in this lease which may be found applicable to the lessee / lessees shall be treated as binding on the lessee/lessees.
23. In this case anticipated royalty for the mineral at rate of Rs. 24/- (Rupees twenty four only) per ton for a period of one year is **Rs. 50,40,000/- (Rupees fifty lakh forty thousand only)**
24. Dead rent realized at the rate of I<sup>st</sup> year – NIL II<sup>nd</sup> year - Rs. 300/- (Rupees three hundred only) and III<sup>rd</sup> year onwards - Rs. 1,200/- (Rupees one thousand and two hundred only) per hectare subject to revision from time to time. Surface rent at the rate of Rs. 200/- (Rupees two hundred only) per hectare for **one year** is **Rs. 238/-** (Rupees two hundred and thirty eight only) and security deposit is **Rs. 11,908/-** (Rupees eleven thousand nine hundred and eight only)

*Handwritten: 19 Oct 17*  
KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

*Handwritten Signature*  
K.N. Madhusoodanan  
Managing Director,  
M/s Mavanal Granites Private Ltd,  
Sreenikethan, Kalanjoor P.O., Konni, Pathanamthitta

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### SCHEDULE OF DESCRIPTION OF LAND

District : Pathanamthitta  
Taluk : Konni  
Village/Amsom : Koodal  
Survey Nos. of the Area : 288/1  
Area in Hectares : 1.1908 Htr

#### Bounded by Survey No:

On the North by : Sy. No. 271  
On the East by : Sy. No. 288pt  
On the South by : Sy. Nos. 251, 253, 254  
On the West by : Sy. No. 288pt, 256, 251

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

Signed by.....*K. Krishnendu N.R.*  
for and on behalf of the Governor of Kerala. *KRISHNENDU N.R.*  
Geologist  
Dept. of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

In the presence of *Shri.*

- (1) S.R. Mahan Pillay, General Revenue Inspector, Dept of Mining & Geology, District Office, Pathanamthitta, Aranmula.  
(2) Sindhu Sivas, Sr. Clerk, Mining & Geology. *Sindhu*  
District Office, Pathanamthitta.

Signed by.....*[Signature]*

for and on behalf of the lessee/lessees  
In the presence of



- (1) *Suresh S*  
Suresh Bhawan  
Kalamoor, Pathanamthitta Dist.  
(2) *Raveendran Nair*  
Raveendran Nair  
Kodumal, 80  
Pathanamthitta Dist.

*K. Krishnendu N.R.*  
1908/17  
KRISHNENDU N.R.  
Geologist  
Dept: of Mining and Geology  
District Office: Pathanamthitta  
Mini Civil Station, Aranmula.

*[Signature]*  
K.N. Madhusoodanan  
Managing Director,  
M/s Mavanal Granites Private Ltd,  
Sreenikethan, Kalanjoor P.O., Konni, Pathanamthitta

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REGISTERED POST

	<p>भारत सरकार/ Govt. of India          श्रम एवं रोजगार मंत्रालय/ Ministry of Labour &amp; Employment          खान सुरक्षा महानिदेशालय/ Directorate General of Mines Safety          बेंगलुरु, क्षेत्र, द.अं / Bengaluru Region, SZ.</p>	
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सं.SZ/BGR/KL/PTH/106(2)(b)/P-135/2014-15/829 बेंगलूरु, दिनांक, 19/5/2015.

प्रेषक,

खान सुरक्षा निदेशक,

खान सुरक्षा महानिदेशालय,

बेंगलुरु क्षेत्र, द.अं.।

#5, 17<sup>th</sup> Main, 100 ft. Road, 4<sup>th</sup> B-Block,

कोरामंगला, बेंगलूरु-560 034 (KA)

सेवा में,

Sri K.N.Madhusoodan

Nominated Owner: Koodal Stone Quarry

M/s Mavanal Granites Pvt.Ltd.

"Sreenikethan"

Kalanjoor post, Pathanamthitta District,

Kerala-689 694.

विषय:- Conditions governing the use of Heavy Earth Moving Machinery(HEMM) without deep hole drilling and blasting under Reg.106(2)(b) of the MMR, 1961, at Koodal Stone Quarry(M/s Mavanal granites Pvt.ltd, Owner Sri K.N.Madusoodanan), in Sy No.288/1 part in block 32 of Koodal village, Konni Taluk, Pathanamthitta District of Kerala.

महोदय,

Please refer to your application No Nil dated 16.02.2015 on the above subject along with Surface Plan No. No. GTS/MG-Kjr/01/2014 dated 03.01.2014 enclosed therewith.

The matter has since been examined in the light of what has been stated in your application. In exercise of the powers conferred on the Chief Inspector of Mines under the provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 and by virtue of the authorization granted to me by the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Section 6(1) of the Mines Act, 1952, I hereby impose following conditions governing the use of Heavy Earth Moving Machinery(HEMM) without deep hole drilling and blasting under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 to form benches in overburden & orebody at Kodal Stone Quarry(M/s Mavanal granites Pvt.ltd, Owner Sri K.N.Madusoodanan), in Sy No.288/1 part in block 32 of Koodal village, Konni Taluk, Pathanamthitta District of Kerala:

#### 1.0 General:

- 1.1 Except where otherwise provided for, all provisions of the Metalliferous Mines Regulations, 1961 shall be strictly complied with.

First Class without deep hole

## **2.0 Opencast Working:**

### **2.1 Height and Width of Benches:**

- 2.1.1 The height of benches in overburden, ore body or other rock formation shall not be more than maximum digging height of the machine used for digging, excavation or removal or 7.0m whichever is less.
- 2.1.2 Width of any bench shall not be less than -
  - (a) width of the widest machine plying on the bench plus 2 m, or
  - (b) if dumpers ply on the bench, 3 times the width of the dumper, or
  - (c) the height of the bench, whichever is more.
- 2.1.3 When persons are employed at the working face, adequate precautions shall be taken to ensure their safety by dressing the sides of the bench.
- 2.1.4 Formation of benches shall be done from top downwards.

### **2.2 Roads for Trucks and Dumpers etc:**

- 2.2.1 All roads for trucks, dumpers or other mobile machinery shall be maintained in good condition.
- 2.2.2 Wherever practicable, all roads from the opencast workings shall be arranged to provide one-way traffic. Where one-way traffic it is not practicable, no road shall be of width less than three times plus 5m width of the largest vehicle plying on road.
- 2.2.3 All corner and bends shall be made in such a way that operator of vehicle have clear view of distance of not less than 3 times the braking distance of largest HEMM working at 40Km/hour.
- 2.2.4 Where it is not possible to ensure a visibility for a distance as mentioned in clause (2.2.3), there shall be provided with two roads of width not less than 2 times plus 3m of largest vehicle plying on the road with a strong road divider at centre with adequate lighting and reflector along the divider.
- 2.2.5 Where any road existing above level of surrounding area it shall be provided with strong parapet wall/embankment of following dimensions:
  - (a) Width at top-not less than 1 m.
  - (a) Width at bottom-not less than 2.5 m.
  - (b) The height not less than the diameter of tyre of largest vehicle plying on road. It may be noted that just dumping of mud or OB shall not be treated as strong parapet wall.
- 2.2.6 No road shall have gradient more than 1 in 16. However, the ramps with 1 in 10 gradient shall not be for more than 100m at one stretch.

## **3.0 Supervision :**

- 3.1 A person possessing First Class Mine Manager's Certificate of competency under Regulation MMR, 1961 shall be appointed as the manager of the mine to look after HEMM operation. This permission shall stand revoked as soon as the qualified manager ceases to work at the mine. Use of HEMM shall be suspended in the absence of manager with aforesaid qualification.
- 3.2 During every production shift, the opencast workings shall be placed under the charge of an Assistant Manager and during maintenance shift, the workings shall be placed under the charge of a Foreman, who shall be responsible to see that all the regulations and orders made there under are strictly complied with.
- 3.3 Adequate number of supervisors including duly qualified Foremen and Mates shall be appointed in each working shift to assist the manager. Manager, Foreman and Mate shall be responsible to see that all the regulations and the orders made there under are strictly complied with.



## II- MACHINERY

### 4.0 DESIGN & MAINTENANCE OF MACHINERY& VEHICLES

Every Heavy Earth Moving Machinery shall be maintained in good and safe working condition.

- 4.1 Every Heavy Earth Moving Machinery shall be provided with efficient warning devices, adequate front and rear lights and efficient brakes. Every Dumpers/Truck shall be provided with Audio-Visual warning device, which shall be actuated automatically to produce both audible and visual warning system during reversal of vehicle and any other advanced mechanism like rear view mirror shall be provided
- 4.2 Every shovel shall be so designed as to afford the operator clear and uninterrupted vision all around
- 4.3 Operators cabin of every machine or vehicle shall be well designed and substantially built so as to ensure adequate protection to the operator against heat, dust, noise etc., and at the same time provide adequate safety to the operator in the event of overturning of heavy earth moving machinery. A seat belt for the safety of the operator shall also be provided.
- 4.4 The code of instructions furnished by the manufacturers in the matter of maintenance of various machinery and vehicles and preventive maintenance schedules for each type of machinery and vehicle shall be strictly followed.
- 4.5 Every machine and vehicle shall be allocated at least one day in every week for maintenance. Before the machine or vehicle is sent out for work after maintenance, it shall be thoroughly inspected by the engineer, mechanical foreman or other competent person authorized by the Manager in writing, who shall satisfy himself that the machine or vehicle is mechanically sound and in efficient working order.
- 4.6 A report of every inspection made under clause (4.6) shall be recorded in a bound paged book kept for the purpose and shall be signed and dated by the person making the inspection and countersigned by the Engineer
- 4.7 Every machine in use shall be thoroughly inspected once at least in every 24 hours by a competent person duly authorized by the Manager of the mine.
- 4.8 If the Engineer, Mechanical Foreman or other competent person making inspection, notices any defect in any machinery or vehicle, the said machinery or vehicle shall not be used until the defect has been remedied.
- 4.9 Any defect in a machinery or vehicle reported by its operator shall be promptly attended to.
- 4.10 Any machine or vehicle found to be in an unsafe operating condition shall be tagged at the operator's position "OUT OF SERVICE, DO NOT USE" and its use shall be prohibited until the unsafe condition has been corrected
- 4.11 All repair to machinery or vehicle shall be done at a location, which will provide a safe place for the persons engaged on repairs
- 4.12 Except for testing, trial, or adjustment, which must necessarily be done while the machine or vehicle is in motion, every machine or vehicle shall be shut down and positive means taken to prevent its operation while any repair or manual lubrication is being done.
- 4.13 Any machinery, equipment or part thereof which is suspended or held apart by use of slings, hoists, jacks shall be substantially blocked or cribbed before men are permitted to work underneath or between such machinery, equipment or part thereof.
- 4.14 Power shall be disconnected when repairs are made to any electrical machinery.
- 4.15 While inflating tyres of transport vehicles, suitable protective cages shall be used. Tyres shall never be inflated by standing/sitting either in the front or on the top of the same.
- 4.16 Only such fitters or mechanics, who possesses driving license under Motor Vehicles Act shall be authorized by the manager to test-run the HEMM.

- 4.17 The Brakes of all trucks-dumpers and other transport vehicles shall be tested atleast once in every fortnight by a competent person duly authorized by the Manager of the mine in manner detailed below:

**Service Brake Test:** The Service brake shall be tested with the vehicle is fully loaded condition on a specified gradient and speed. It shall stop within a specified distance by the manufacturer of the vehicle when the service brake is applied.

**Parking Brake Test:** The parking brake shall be capable of holding the truck/dumper/transport vehicle when is fully loaded and placed on maximum gradient of roadway which is permitted, for a period of atleast ten minutes

- 4.18 A record of all such test shall be maintained in a bound paged book kept for the purpose and shall be signed by the person carrying out the test and countersigned by the Engineer and Manager of the mine.
- 4.19 Every dumper/tipper/truck shall be provided with automatically operating audio-visual reversing alarm, which shall always be kept in working order.
- 4.20 No person shall be permitted to work on the chassis of truck or dumper with the body in a raised position until the truck or dumper body has been securely blocked in position. The mechanical hoist mechanism alone shall not be depended upon to hold the body of the truck or dumper in raised position.

## **5.0 DAILY EXAMINATION OF MACHINERY AND VEHICLE:**

- 5.1 At the commencement of every shift, the Engineer or Mechanic or Foreman or other authorized Competent persons shall personally inspect and test every machine and vehicle paying special attention to the following details:

- 5.1.1 That the brakes and the horn or other warning devices are in working order;

if the vehicle or machine is required to work after day light hours that the lights are in working order.

- 5.1.2 He shall not permit the vehicle or machine to be taken out for work nor shall he drive the vehicle unless he is satisfied that it is mechanically sound and in efficient working order.

- 5.1.3 He shall also maintain a record of every inspection in a bound paged book kept for the purpose. Every entry in the book shall be signed and dated by the person making the inspection.

## **6.0 OPERATION OF MACHINERY:**

- 6.1.1 No person other than the operator or his helper if any or any person so authorized in writing by the manager shall ride on a Shovel or Excavator.

- 6.1.2 No shovel or excavator shall be operated in a position where any part of the machine, suspended loads or lines are brought closer than three metres to exposed high voltage lines, unless the current has been cut off and the line de-energized. A notice of this requirement shall be posted at the operator's control panel.

- 6.1.3 Electrical cables, if any shall be laid in such a manner that they are not endangered either by falling rocks or by mobile equipment.

- 6.2 If more than one stripping machine is in use in any area, either on the same bench or on different benches the machines shall be so spaced that there is no danger of accident from flying or falling objects etc. from one machine to the other.



## 7.0 DUTIES OF MACHINERY OPERATORS:

- 7.1 a ) Every Heavy Earth Moving Machinery shall be under the charge of a competent person (herein called the 'operator') authorized in writing by the Manager.
- b) Operator/driver of each HEMM shall be selected from amongst persons possessing requisite qualifications. The selection process shall comprise a test to check driving/operating skill, aptitude, health and oral examination of the candidate by a competent selection committee. The selected person shall be trained and their competency shall be evaluated by a board constituted by the mining company.
- c) All operators of HEMM shall undergo regular checks to test their driving/operating skill, knowledge and health once in every five years.
- d) To prevent unauthorized driving, a system shall be evolved whereby the ignition key and /or cabin key always remain with the driver/operator or with specifically designated competent person
- 7.2 At the commencement of every shift, the operator shall personally inspect and test the machine, paying special attention to the following details:
- 7.3.1 That the brakes and every warning device are in working order.
- 7.3.2 If it is required to work after the day light hours, all the lights on the vehicle are in working order.
- 7.3.3 Operator shall not take out the machine for work nor shall he work the machine unless he is satisfied that it is mechanically sound in efficient working order.
- 7.3.4 The operator shall not operate the machine when persons are in such proximity as to be endangered.
- 7.3.5 Operator shall not swing the bucket of a shovel over passing haulage units and other. While truck are being loaded he shall swing over the body of the truck/dumper and not over the cab, unless the cab is protected by a substantially strong cover.
- 7.3.5 The operator shall not allow any unauthorized person to ride on the machine.

## 8.0 OPERATION OF THE TRUCKS-DUMPERS & OTHER TRANSPORT VEHICLES:

- 8.1 The Manager of the mine shall frame a Standard Operating Guidelines/Code of Practice for operation of trucks-dumpers and other vehicles on the following aspects and ensure its compliance.
- 8.2 No person shall be permitted to ride on the running board of a truck or dumper.
- 8.3 As far as possible, loaded dumpers or trucks shall not be reversed on gradients.
- 8.4 While reversing a vehicle at dump yard/stopping point suitable mechanism like stop blocks/earthen bund etc. shall be provided to prevent a vehicle from approaching towards edge of dump.
- 8.5 Standard traffic rules shall be framed and followed during movement of all trucks and dumpers. They shall be prominently displayed at the relevant places in the opencast workings and truck/dumper roads.
- 8.6 When not in use every truck or dumper or other transport vehicle shall be moved to and parked at proper parking places.
- 8.7 No unauthorized person shall be permitted to enter or remain in any dumping yard or turning points.
- 8.8 While vehicle is being loaded/unloaded on a gradient, the same shall be secured on a stationary position by parking brake and any other suitable mechanism.

## 9.0 DUTIES OF TRUCK/DUMPER OPERATORS:

9.1 At the commencement of every shift, the operator shall also personally inspect and test the machine, paying special attention to the following details:

- (i) That brakes and every warning device are in working order; and
- (ii) If the machine is required to work after day-light hours, that lights are in working order.
- (iii) He shall not take out the machine for work nor shall he operate the machine unless he is satisfied that it is mechanically sound and in efficient working order.

9.2.1 He shall not drive too fast, shall avoid distraction, and shall drive defensively. He shall not attempt to overtake another vehicle unless he can see clearly far enough ahead to be sure that he can pass it safely. He shall also sound the audible warning signal before overtaking.

9.2.2 When approaching stripping equipment, the driver of the dumper/truck shall sound the audible warning signal and shall not attempt to pass the stripping equipment until he has received a proper audible signal in reply.

9.2.3 Before crossing a road or railway line, he shall reduce his speed, look in both directions along the road or railway line, and shall proceed across the road or line only if it is safe to do so.

9.2.4 The operator shall sound the audible warning signal before while approaching 'blind' corners or any other points from where persons may walk in front unexpectedly.

9.2.4 The operator shall not operate the truck or dumper in reverse unless he has a clear view of the area behind the vehicle. He shall give an audible warning signal before reversing a truck or dumper.

9.2.5 The operator shall be sure of clearance before driving through tunnels, archways, plants, structures etc.

9.2.6 The operator shall see that the vehicle is not overloaded and that the material is not loaded in a dumper or truck so as to project horizontally beyond the sides of its body and that any material projecting beyond the front or rear is indicated by a red flag during day and a red light after day light hours.

9.2.7 The operator shall not allow any unauthorized persons to ride on the vehicle. He shall also not allow more than authorized number of persons to ride on the vehicle.

9.2.8 As far as possible loaded trucks or dumper shall not be reversed on gradient

9.3 "The Code of Traffic Rules" framed by the Mines Manager for movement of all trucks, tippers and dumpers prominently displayed at the relevant places in the opencast workings of the mine shall be complied with.

## 10 SPOIL BANKS

10.1 The spoil bank shall be designed and maintained scientifically.

- 13.1.9 Engine of a vehicle transporting explosives shall be stopped and the brakes set securely before it is unloaded or left standing.
- 13.1.10 A vehicle transporting explosives shall not be driven at a speed exceeding 25 kilometers per hour.
- 13.1.11 A vehicle loaded with explosives shall not be taken into garage or repair shop and shall not be parked in a congested place.
- 13.1.12 A vehicle transporting explosives shall not be re-fuelled except in emergencies and only when its engine is stopped and other precautions taken to prevent accidents.
- 13.1.13 No trailer shall be attached to a vehicle transporting explosives.
- 13.1.14 Every vehicle used for the transport of explosives shall be carefully inspected once in every 24 hours by a competent person to ensure that:
- (a) fire extinguishers are filled and in place;
  - (b) the electric wiring is well-insulated and firmly secured;
  - (c) the chassis, engine and body are clean and free from surplus oil and grease;
  - (d) the fuel tank and feed lines are not leaking; and
  - (e) lights, brakes and steering mechanism are in good working order.
- 13.1.15 Report of every inspection made under clause (13.1.14) shall be signed and dated by competent person making the inspection.
- 13.1.16 All operations connected with transport of explosives shall be conducted under the personal supervision of a Foreman in charge of blasting operations at the mine.
- 13.1.17 The blaster shall personally search every person engaged in the transport and use of explosives and shall satisfy himself that no person so engaged has in his possession any cigarette, 'biri' or other smoking apparatus, or any match or any other apparatus of any kind capable of producing a light, flame or spark.

#### **14.0 Precaution during Firing:**

- 14.1 Shots shall not be fired except during hours of day-light. All holes charged on any one day shall be fired on the same day.
- 14.2 As far as practicable, shot firing shall be carried out either between shifts or during the rest interval, or at the end of work for the day.
- 14.3 During the approach and progress of an electric storm, the following precautions shall be taken:
- (a) no explosive, particularly detonators, shall be handled;
  - (b) if charging operations have been commenced, the work shall be discontinued until the storm has passed;
  - (c) if the blast is to be fired electrically, all exposed wires shall be coiled up and if possible placed in the mouth of the holes, or kept covered by something other than a metal plate/conductive material;
  - (d) all wires shall be removed from contact with the steel rails or a haulage track so as to prevent the charge being exploded prematurely by a local strike of the lightning.
- 14.4 The danger zone shall be distinctly demarcated (by means of red flags properly arranged and supported) before charging of holes is to commence.
- 14.5 Before firing, a siren installed for the purpose shall be blown three times for one minute each at intervals of one minute; and no shots shall be fired unless the blasting foreman with assistance of sufficient number of persons appointed in writing by the manager for the purpose has ensured that all persons have left the danger zone or have taken adequate shelter.
- 14.6 No shot shall be fired when there is traffic on any road or railway track within the danger zone.

- 10.2 The toe of the spoil bank shall not approach Railway or other public works, public road or building or other permanent structures not belonging to the owner of the mine closer than a distance equal to the vertical height of the spoil bank.
- 10.3 A suitable fence shall be provided between any railway or public works or road or building or structure and the toe of an active spoil-bank so as to prevent unauthorized persons from approaching the spoil bank.
- 10.4 No person shall, or shall be permitted to approach the toe of an active spoil bank where he may be endangered from material rolling down the face.
- 11.1 **ADDITIONAL DUTIES ENGINEER IN CHARGE OF MACHINES AND VEHICLES IN OPENCAST WORKINGS:**
- 11.2 During each shift the machines and vehicles at work shall be placed under the charge of qualified and experienced Engineer to effect inspection, examination, safe operations and maintenance of the machines and vehicles. During his shift the competent shall;
- (a) inspect, examine machines, equipments and vehicles satisfy himself that they are in sound and safe working order;
  - (b) not allow any machine and vehicles to be used, if it is found defective;
  - (c) ensure that every machines and vehicles used is in a safe and efficient order;
  - (d) ensure that each operation, activity is carried on in safe and efficient manner.

## **12.0 Precautions while Drilling:**

- 12.1 The position of every shot - hole to be drilled shall be distinctly marked by the mine Foremen so as to be readily seen by the drillers.
- 12.2 No person shall be permitted to remain within a radius of 20m or within 60m on the same bench where charging of holes with explosives is being carried out.

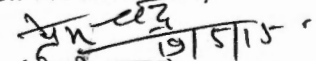
## **13.0 Transport of Explosives:**

- 13.1 Where explosives are transported in bulk, the following precautions shall be taken:
- 13.1.1 Transport of explosives from the magazine to the priming station or the site of blasting shall not be done except in original wooden or cardboard packing cases. The quantity of explosive transported at one time to the site of blasting shall not exceed the actual quantity required for use in one round of shots. Explosives shall be transported to the site of blasting not more than 90 minutes before the commencement of charging of the holes.
  - 13.1.2 No mechanically propelled vehicle shall be used for the transport of explosives unless it is of a type approved in writing by the Chief Inspector.
  - 13.1.3 Every vehicle used for transportation of explosive shall be marked or placarded on both sides and ends with the word 'Explosives' in white letters not less than 15 cm high on a red background.
  - 13.1.4 Every mechanically propelled vehicle transporting explosives shall be provided with not less than two fire extinguishers (one of carbon tetrachloride type for petroleum fire and the other of carbon dioxide under pressure type for electrical fire) suitably placed for convenient use.
  - 13.1.5 The vehicle used for transport of explosives shall not be overloaded and in no case shall the explosive cases be piled higher than the sides of its body.
  - 13.1.6 Explosives and detonators shall not be transported in the same vehicle, at the same time.
  - 13.1.7 No persons other than the driver and his helper shall ride on a mechanically propelled vehicle used for transport of explosives.
  - 13.1.8 A vehicle loaded with explosive shall not be left unattended.

## 15.0 MISCELLANEOUS:

- 15.1 Tractor-trailer combination shall normally not be allowed on haul roads. (Where inevitable, only four wheeler trailers with separate brakes of their own shall be used.)
- 15.2 Trucks, tippers and other heavy vehicles, not belonging to management shall not be allowed in the mine premises without a valid pass issued by the competent authority of the mine. Before the pass is issued the mine engineer/competent person shall check the roadworthiness of such vehicle. In order to check the entry of such vehicle in the mine premises, properly manned check gate shall be provided at the mine entrance where the record of entry & exit of each vehicle shall be maintained. At the check gate the license of the drivers shall also be checked for eliminating the possibility of unlicensed persons driving the vehicle.
- 15.3 Persons engaged in surface operation and in particular, the contractor's workers shall be provided closer and competent supervision.
- 15.4 All persons engaged at any work within the mine premises through the contractors shall be provided with relevant training and other job related briefings and it shall be ensured that the drivers of the vehicle belonging to contractors entering the mine premises have additionally been explained the salient provisions of "Traffic Rules".
- 15.5 Each and every operation, including the operation carried out through contractor's worker or by outside agency, shall be placed under the charge of a competent supervisor, duly appointed and authorized by the manager.
- 15.6 Manager shall frame Safe Operating Procedure (SOP) for each operation/equipment and copy of it shall be handed over to all concerned. It shall be the duty of all statutory persons to enforce the SOPs so framed.
- 15.6.1 In case of "Dimensional Mining", Manager shall also frame safe operating procedure for use of Derrick Crane, Mobile Crane, Wire-Saw, use of expansion chemical/mortar along with use of excavators for handling of granite blocks and the copies of the same shall be handed over to all concerned including all statutory persons for enforcement
- 15.7 All the precautions and directives given in DGMS circulars issued from time to time shall be compiled with.
- 15.8 The Owner, Agent and Manager shall ensure that the aforesaid conditions are made known to all concerned. They shall also ensure that every such person has fully understood the same and complies with them.
- 15.9 Please note that the above governing conditions are subject to the following additional conditions:
- 15.9.1. In the event of any change in the circumstances connected with the use of HEMMs which is likely to endanger the life of workmen employed in the mine, operations for which these conditions have been imposed shall be stopped forthwith and intimation thereof shall be sent to this Directorate. The said mining operation shall not be resumed without an express and fresh authority to that effect in writing from this Directorate.
- 15.9.2. These governing conditions may be amended or withdrawn at any time should it be considered necessary in the interest of safety.
- 15.9.3 These governing conditions are being issued specifically under the regulations mentioned above and without prejudice to any other provision of law, which may be or may become applicable at any time.

आपका विश्वसनीय,

  
(पी.सी. रजक)

खान सुरक्षा निदेशक,  
बेंगलुरु क्षेत्र, द.अं.





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

संख्या (No.): E/SC/KL/22/1285(E56732)

दिनांक (Date): 10/02/2016

सेवा में | To,

Shri Shri K.N. Madhusoodanan, Managing Partner,  
M/s Vajra Rock Mining Industries, Sreenikethan, Kalanjoor P.O., Pathanamthitta District-689694, Kerala, Town/Village -  
Kalanjoor  
District-PATHANAMTHITTA, State-Kerala, Pincode - 689694

विषय : Survey No.270/4 Block No.32, ग्राम Koodal village, Adoor Taluk, Pathanamthitta Distri. जिला PATHANAMTHITTA, राज्य Kerala में विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1285(E56732) के नवीनीकरण संदर्भ में।

Subject: Possession for Use of Explosives from magazine situated at Survey No.:270/4 Block No.32, Koodal village, Adoor Taluk, Pathanamthitta Distri. Dist. PATHANAMTHITTA, Kerala -Licence No.: E/SC/KL/22/1285(E56732) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या nil दिनांक 07/01/2016 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुज्ञप्ति दिनांक 31/3/2021 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है।

Reference to your letter No.: nil dated: 07/01/2016, the subject licence duly renewed upto 31/3/2021 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

#### Conditions:

1) Separate explosives van shall be used for transportation of explosives and detonators from magazine to blasting sites. 1. VALID AUTHORISED QUARRY PERMIT IN THE NAME OF THE LICENSEE AND LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION. 2. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY. 3. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT. 4. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 5. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED. 6. DAILY PASS FOR USE OF EXPLOSIVES (RE-13) SHALL BE GENERATED ONLINE.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/2021 से पहले इस कार्यालय को भेजे जाएं।

For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2021.

प्ररूप आरई-1 में विधिवत पूर्ण एवं हस्ताक्षरित आवेदन।

Application in Form RE-1 duly filled in and signed.

- एक से पाँच वर्ष के अनुज्ञप्ति शुल्क का बैंक ड्राफ्ट। बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक के नाम आहरित, संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्नई के पक्ष में चेन्नई में देय हों।

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

- अनुमोदित प्लान के साथ मूल अनुज्ञप्ति।

Original licence with approved plan.

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

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

- विस्फोटकों के क्रय हेतु आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजी जाए (आतिशबाजी गोदाम के लिए लागू नहीं)।

Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office. (Not applicable for fireworks store house)

- कृपया विस्फोटकों की त्रैमासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाएं। विवरणी इस कार्यालय के कार्यालय में आगामी तिमाही के 10 तारीख से पहले पहुंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं)। Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house)

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

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

regulations framed under the said Act.

आपके खाते में रुपए 11000/- की राशि शेष है जो इस संदर्भ को उद्धृत करते हुए भविष्य के संव्यवहार में समायोजित की जा सकती है।  
An amount of Rs. 11000/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

भवदीय | Your's faithfully

(एस.एम.कुलकर्णी | S M Kulkarni)

विस्फोटक नियंत्रक | Controller of Explosives

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

कृते कोच्ची, कोच्ची विस्फोटक नियंत्रक

For Deputy Chief Controller of Explosives

प्रतिलिपि प्रेषित | Copy Forwarded to:

I. जिला मजिस्ट्रेट (District Magistrate), PATHANAMTHITTA (Kerala)- सूचना के लिए (For information.)

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

कोच्ची | Ernakulam

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

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

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

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

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

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

अनुज्ञप्ति सं. (Licence No.): E/SC/KL/22/1285(E56732)

वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

Shri Shri K.N. Madhusoodanan, Managing Partner (अधिभोगी / Occupier : Shri K.N. Madhusoodanan)

Vajra Rock Mining Industries, Sreenikethan, Kalanjoor P.O., Pathanamthitta District-689694, Kerala

Town/Village - Kalanjoor, District-PATHANAMTHITTA, State-Kerala, Pincode - 689694

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : Partnership Firm

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

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

Licence is valid only for the following purpose.

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

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

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	500 Kg.
2.	Safety Fuse	6,1	0	4000 Mtrs
3.	Ordinary Detonator	6,3	0	4000 Nos.
4.	Electric Detonators	6,3	0	4000 Nos.

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

20 times  
as above.

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1285 है।

(E56732)

The licensed premises shall conform to the following drawing(s): दिनांक (Dated) 07/10/2011

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

Survey No. 270/4 Block No.32, ग्राम (Town/Village) : Koodal village, Adoor Taluk, Pathanamthitta District

जिला (District) PATHANAMTHITTA राज्य (State) Kerala पिनकोड (Pincode) 689694

दूरभाष (Phone) 04734270431

ई. मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

: pucca magazine with stone masonry construction

The licensed premises consist of following facilities.

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures:

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

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

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 2016 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2016.

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 उपाबंध 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.

Sd/-

तारीख | The Date - 07/10/2011

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

**Amendments :**

- Amendment in Drawings/Facilities/Premises dated : 19/04/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 19/04/2013
- Amendment in Drawings/Facilities/Premises dated : 11/12/2013

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal

नवीकरण की तारीख  
Date of Renewal

10/02/2016

समाप्ति की तारीख  
Date of Expiry

31/03/2021

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

Dy. Chief Controller of Explosives, Ernakulam

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

**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.

A50

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/1285(E56732) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1285(E56732) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

- परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।  
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
- विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।  
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
- मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट हैं, रखे जाने के लिए और ऐसे रखे जाने से संबंधित आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।  
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।  
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक् कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु —  
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।  
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।  
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।  
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—  
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;  
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.  
(f) Gun powder belonging to Class 1 shall be kept separately.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।  
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.  
वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।  
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।  
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लायसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिन्ह प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।  
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.  
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.  
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
- मैगजीन के भीतरी भाग या उसमें लगी बेंचों, शैल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचें, शैल्फें और फिटिंग यथासाध्य ग्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित

हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाध्यकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है ।

The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from;

Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापितधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापितधारी द्वारा पश्चात्कर्ती प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता :

परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभावी होगा :

परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है ।

If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory:

Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :

Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.

10. उपयुक्त तथा जेब रहित कार्यकरण वस्त्रों , उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वर्जित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :

परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिससे भिन्न कोई विस्फोटक नहीं रखा गया है ।

Due provisions shall be made, by the use of suitable working clothes without pockets, suitable shoes and by searching or otherwise or by such means, for preventing the introduction into danger area of the factory premises of fire, Lucifer matches or any substance or article likely to cause explosion or fire, but this condition shall not prevent the introduction of an artificial light of such construction, position or character as not to cause any danger of fire or explosion:

Provided that so much of this condition as applies to the exclusion of iron or steel, shall not be obligatory in a building in which no explosive other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.

11. अनुज्ञापितधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टॉक पुस्तक और अभिलेख प्रस्तुत करेगा । स्टॉक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी ।

The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.

12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञापितधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करें ।

No changes or alterations shall be carried out to the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.

13. मैगजीन सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी) । यदि किसी कारणवश किसी विस्फोटक के भण्डारण के लिए मैगजीन अनुपयुक्त हो जाती है तो अनुज्ञापितधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा ।

Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever.

मैगजीन का अनुज्ञापितधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरणी प्रस्तुत करेगा ।

The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.

14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी ।

Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.

15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी ।

The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.

16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकेटों की हालत की

करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके।

The explosive packages shall be stocked in such a way so as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.

तडित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओहम से अधिक नहीं होगा।

The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.

17. मैगजीन के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी।

A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.

18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।

Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.

19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।

Not more than 4 persons shall be allowed inside the magazine or store house at any one time.

20. विस्फोटकों के खाली पैकेजों को शीघ्रतिथीय वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा।

Empty packages of the explosives shall be removed at the earliest and destroyed.

21. अनुज्ञप्तिधारी और कर्मचारियों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।

The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.

22. निरीक्षण या नमूना अधिकारी को सभी व्यक्तिगत समयों पर अनुज्ञत परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।

Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.

23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञप्तिधारक को अनुज्ञात परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञप्तिधारक सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।

If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the license shall execute the recommendations and report compliance within the period specified by such authority.

24. अनुज्ञप्तिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञत फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पल्लो खरीदेगा।

The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.

25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए -

(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए1) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;

(ख) श्रृंखला (जुड़े हुए पटाख) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग.10(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे;

The possession and sale of fire-crackers generating noise level exceeding:

a) 125 dB(A) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;

b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log10 (N) dB, where N = number of crackers joined together.

26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।

Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

#### अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञप्तिधारी विदेशी मूल के आतिशबाजी को ना रखेगा ना ही उसकी बिक्री करेगा। The licensee shall not possess and sale fireworks of foreign origin.

कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Joint Chief Controller of Explosives  
South Circle, Chennai  
For Deputy Chief Controller of Explosives  
एरनाकुलम Ernakulam

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

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/K1/22/1285(E5673), form LE-3 granted to Shri Shri K.N. Madhusoodanan, Managing Partner, M/s Vajra Rock Mining Industries, Sreenikethan, Kalanjoor P.O., Pathanamthitta District-689694, Kerala, Kerala-689694.

Type of Structure(s)		Safety distances meters	
<b>Inside Safety Distances(ISD)</b>		<b>M</b>	<b>L M</b>
1	Room or Workshop used in Connection with the Magazine	19	29
2	Any other Explosives Magazine or store House or Factory of the Applicant		
3	Magazine Office		
<b>Middle Safety Distances(MSD)</b>			
4	Magazine Keeper's or Chowkidar's Dwelling house		
5	Railway including Minerals and Private Railways		
6	Canal (in active use) or other navigable water		
7	Dock or Pier or Jetty		
8	Public Highway or Public Road		48
9	Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory		
10	River Embankment or Sea Embankment or Public Well		
11	Reservoir or Bounded tank/rope way		
12	Windmill or Solar panel for Power Generation		
<b>Outside Safety Distances(OSD)</b>			
13	Dwelling House		
14	Govt. and Public Building		
15	Temple, Mosque, Church or Gurudwara or other Places of Worships		
16	Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, Cinema or other Building where the public are accustomed to assemble		
17	Factory		
18	Buildings or Works used for the Storage in Bulk of Petroleum, Spirit, gas, or other inflammable or hazardous substances		
19	Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives		95
20	Aerodrome		
21	Furnace, Kiln or Chimney		
22	Quarry or mine pit head		
23	Power House or Electric Substation		
24	Wireless Station		
25	Warehouse or other Storage Building		
26	Any other Protected works		
<b>Overhead Electric lines</b>			
27	Electric Power over head Transmission Lines above 440V	90	
28	Electric Power over head Transmission Lines upto 440V	15	

The Date : 07/10/2011

**Amendments :**

- Amendment in Drawings/Facilities/Premises dated : 19/04/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 19/04/2013
- Amendment in Drawings/Facilities/Premises dated : 11/12/2013

  
 For Joint Chief Controller of Explosives  
 South Circle, Chennai  
 कृते उप मुख्य विस्फोटक नियन्त्रक  
 For Deputy Chief Controller of Explosives  
 एरनाकुलम Ernakulam

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No. C7-848/2016

Collectorate, Pathanamthitta

Dated: 26-01-2016

No Objection Certificate

Sri.K.N.Madhusoodanan, Managing Director, M/s Mavanal Granites (P) Ltd, Registration No.09-05805/1990, Sreenikethan, Kalanjoor, Pathanamthitta has requested for No Objection Certificate for renewing the quarrying lease for an extent of **01.1908** hrs of Govt. poramboke land comprised in Resurvey No. **288/1** of Block No. **32** of Koodal Village in Konni Taluk. The Tahsildar Konni vide his Report No. **C4-22816/15** dated **31.12.2015** has recommended to grant No Objection Certificate for quarrying rock from the poramboke land of **01.1908** Hrs comprised in Resurvey No. **288/1** of Block No. **32** of Koodal Village in Konni Taluk.

In the above circumstances, it is certified that there is no objection to run quarrying operations for an extent of **01.1908** Hrs of para poramboke land comprised in Re-survey No. **288/1** of Block No. **32** of Koodal Village in Konni Taluk for a period of **Twelve** years from the date of issuing of quarrying lease under Kerala Mines and Mineral Concession Rules 1967 and Amendment Rules 2015 to Sri. K.N. Madhusoodanan, Managing Director, M/s Mavanal Granites (P) Ltd, Registration No.09-05805/1990, Sreenikethan, Kalanjoor, Pathanamthitta as per the survey plan appended and subject to the following terms and conditions.

1. Environmental Clearance under EIA Notification 2006 should be submitted to this office on receipt of the same.
2. The orders, rules and regulations issued till date and may be issued in future by the Government of India, Government of Kerala, Various Courts and this office should be complied with.
3. The royalty, lease amount, license fee, cost of rock and other charges fixed by the competent authorities in time to time should be remitted to Government without raising any objection.
4. Facilities may be given to the RDO, Tahsildar and the Village Officer for inspecting the quarry periodically. The protection of the adjacent poramboke lands should be ensured. The RDO on 1<sup>st</sup> of April of every year and the Tahsildar, on 1<sup>st</sup> of October of every year should submit detailed report about the quarry after proper site inspection.
5. The quarrying operations can be started only after getting permit from the Mining and Geology Department, Pollution Control Board Consent, D&O License from Kalanjoor Grama Panchayat, Environmental Clearance from SEIAA and other relevant license from the competent authorities.



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**A55**

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**Ajayakumar**  
 Chief Medical Officer N.C  
 Reg. No : 5035-A  
 Govt. Ayurveda Dispensary  
 Vakayar P.O

6. Any violation of the rules will lead to the cancellation of this certificate and the licenses obtained on the basis of this NOC.
7. Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
8. Environment Monitoring Cell should be formed and made functional.
9. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
10. The project shall be incorporated devices for solar energy generation and utilization whenever possible.
11. Sprinklers shall be installed and used in the project site to contain dust emissions.
12. Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 feet.
13. Warning alarms indicating the time of blasting has to be arranged as per stipulations of Explosive Department (to be done at specific timings)
14. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
15. Overburden materials should be managed within the site and the old quarry if any should be reclaimed and stored. No wet land, paddy land or water bodies shall be filled.
16. Benches should be maintained. Height of benches should not exceed five metres and width should not be less than five metres.
17. Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.
18. Mining depth should not exceed beyond 40 metres, unless and otherwise specified or not below the level of nearest stream bed, whichever is less.
19. Acoustic enclosures should be provided to reduce sound amplifications in additions to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by the Pollution Control Board.
20. Eco- restoration including the mine closure plan shall be done at their own cost of the NOC holder.



*[Handwritten signature]*  
A21  
Dr. S.S. Aiyar  
Chief Medical Officer  
Reg. No. 5035-A  
Govt. Ayurveda Dispensary,  
Varkala, P.O. A56 3.

21. Garland drains to be provided in the lower slopes around the core area to channelize storm water.
22. Debris/Silt traps to be provided to prevent entry of dust and quarry wastes entering the main streams.
23. An Eco-restoration plan should be submitted to this office within one month from the date of receipt of this NOC and it should be fully implemented.
24. A Corporate Social Responsibility Plan should be submitted to this office within one month from the date of receipt of this NOC and it should be fully implemented.
25. 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 the EIA Notification 2006.
26. The NOC holder should provide an affidavit attested by a Notary who has jurisdiction in this District stamp paper worth of Rupees One hundred, expressing his willingness that all the conditions stipulated in the NOC will be scrupulously followed within ten days on receipt of this order.

This certificate is issued to produce before the Director, Mining and Geology Department Thiruvananthapuram.



Sd/-

District Collector

✓ Sri. K.N. Madhusoodanan, Managing Director, M/s Mavanal Granites (P) Ltd,  
Registration No.09-05805/1990, Sreenikethan, Kalanjoor, Pathanamthitta.

- Copy to: 1. The Director, Mining & Geology Department. Thiruvananthapuram
2. The Member Secretary, State Level Environment Impact Assessment Authority,  
Pallimukku, Pettah, Thiruvananthapuram
3. The Revenue Divisional Officer, Adoor
4. The Senior Geologist, Mining and Geology Department, Mini Civil Station, Aranmula,
5. Tahsildar, Konni
6. Secretary Kalanjoor Grama Panchayath,
7. Village Officer, Koodal
8. Stock file C7

Approved for Issue

Deputy Collector (L.R.) I/c

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# **INTEGRATED ENVIRONMENTAL SOLUTIONS** Approved Laboratory By Kerala State Pollution Control Board ENGINEERS & CONSULTANTS, CHEMISTS

Grace Building, Vadakenada, Thirunakkara, Kottayam - 1

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www.integratedenvironmentalsolutions.in, Email: ieslabkerala@gmail.com

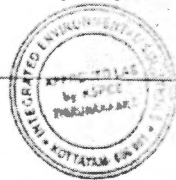


## **Ambient air Quality monitoring Report**

Client name & Address	Certificate No.	IES/AMB/RT/4921112009/20
M/s. Mavanal Granites (P) LTD Pothupara, Athirunkal Nirathupara P.O Pathanamthitta Dist. 689694	Date of Issue	04.09.2020
	Date of Monitoring	28.08.2020
	Location :	SPM measurement at a distance Of 40 m. from the unit. Ambient sound level 1.0m Outside boundary

Parameters	Test method	Result	Limit
1. Particulate Matter (PM <sub>10</sub> )	IS 5182 Part 4 1999	76.3	100 ug/M3
2. Suspended particulate Matter	As per PCB Norms	382.0	500 ug/m3
<b>Ambient Sound level</b>			
a. With the crusher operated (North)	IS : 9989-1968 RA 2001	54.2	55 dB (A)
b. With the crusher operated (South)	IS: 9989-1968 RA 2001	53.8	55 dB(A)
c. With the Crusher operated (East)	IS: 9989-1968 RA 2001	53.4	55 dB (A)
d. With the crusher operated (west)	IS: 9989-1969 RA 2001	53.6	55 dB (A)

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



Integrated environmental solutions

*B. N. Narayanan*  
 Authorized Signatory

B.N. NARAYANAN M.Sc (Sr. Scientist)  
 Rtd. Assist. Environmental Scientist  
 KERALA STATE POLLUTION CONTROL BOARD

### **Our Services:**

► Water Testing ► Effluent Water Analysis ► Air & Stack Emission Monitoring ► Sound Level Test etc.

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