

HALF YEARLY COMPLIANCE REPORT FOR GRANITE STONE QUARRY

of

M/s. Aducadu Granites Pvt. Ltd.

Konnithazham Village,

Konni Taluk,

Pathanamthitta District,

Kerala

Compliance Report (Ref. E. C. No. 8065/2017/C1)

June 2021

Prepared By

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I. ABOUT THE PROPONENT

M/s. Aducadu Granites Pvt. Ltd. Owns a quarry project in the Konnithazham village of Konni Taluk, Pathanamthitta district, Kerala. The project proponent awarded the Environmental Clearance through the letter No. 8065/2017/C1 dated 16.12.2017. Consent to Operate from Kerala State Pollution Control Board (KSPCB) has obtained through QCO/PTA/200/EXP/2017 dated 27.11.2017. Compliance to Specific and general conditions stipulated in Environment Clearance have been followed. Among the conditions specified in the said Environmental Clearance (EC), it is mandatory to file six-month report compliance report(s). This report is in compliance of it, from January to June 2021.

a. Contact Details:

Mr. Martin Varghese, Managing Director Mob: 7034613737

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

The mining area is situated in Konnithazham Village, Konni Taluk, Pathanamthitta District of Kerala in the survey numbers 571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/7/1, 571/1A/34/3/4/1, 571/1A/34/3/6. All these properties are owned by Mr. Martin Varghese, Mr. Jaison Lukose, Mr. Babykutty, Mr. Chacko Thomas and Mr. Chacko Mathew. An agreement was executed between Mr. Martin Varghese and the land owners to quarry granite rock for a period of 5 years. The quarrying area falls within 9°15'05.7" N to 9°15'05.3" N and 76°52'08.0" to 76°52'09.3" E

The lockdown due to Covid19 pandemic announced in 24th March, 2020 and the mining activity was stopped during the period.

c. Project Extent and Activity

The project is for quarrying of 58621 MTPA of building granite stone from an area of **4.3804 ha** of land located as specified above.

d. Project Description

The proposed project does not involve any underground mining activities. The mining is done by open cast semi mechanized method. At the end of life of mine, the reclaimed area will be suitably planted. The sewage of 1 KLD generated from the mine office is diverted to the septic tank

followed by soak pit. The daily water requirement of 5 KLD is met from storm water reservoir and/or well.

Table 1. Project and Environmental Clearance Details

Name of the Project	Building stone Quarry Project of M/s Aducadu Granites Pvt. Ltd
Survey No. and Location	571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/7/1, 571/1A/34/3/4/1, 571/1A/34/3/6. of Konnithazham Village, Konni Taluk, Pathanamthitta District of Kerala
Extent area	4.3804 Ha
GPS co-ordinates	Latitude (N) : 9°15'05.7" N to 9°15'05.3" N and Longitude (E) : 76°52'08.0" N to 76°52'09.3" E
Minimum and Maximum height of excavation (MSL)	Min.: 150 m above MSL Max : 125 m above MSL
Capacity of Production	58621 MTA
Details of Authorized Signatory	Mr. Martin Varghese Managing Director M/s. Aducadu Granites Pvt. Ltd. Konnithazham Village, Konni Taluk, Pathanamthitta District, Kerala Mob: 7034613737
Category / Sub Category Schedule	Category B2
Environmental Clearance Details	letter No. 8065/2017/C1 dated 16.12.2017 File No. DIA/KL/MIN/10299/2017
Land Status	Registered Land
District/Taluk and Village	Pathanamthitta/Konni and Konnithazham village
Nature of the Proposal-lease or permit with evidence	Existing
Brief Description of the project	Quarry project with an area of 4.3804 ha & Production capacity 58621 MTA
Quantity of top soil/over burden produced and managed	The quantity of top soil and overburden are reused yearly for reclamation of mining area.

Topography of land and elevation	The topography of the area is hilly. The highest elevation of the lease area is 150m MSL and lowest is 125m MSL
Slope Analysis	Considering the stability of rocks, the ultimate pit slope proposed is 45°
Will there be any significant land disturbance resulting in soil erosion, subsidence & natural drainage	No
Access road to the site width and condition	7.5m wide access road
Will there be any adverse impact on the aesthetics of the proposal site	No
Life of mine proposed	About 5 years
Underground mining if any proposed	There will be no underground mining activities
Method of mining	Open cast semi-mechanized method of mining
Distance from the adjacent quarry	There is no another quarry operating within 500m from the quarry
Cluster condition if any	NA
Has “No cluster certificate” submitted?	Yes
Distance from nearby habitation	124 m from quarry boundary
Distance from nearby forest if applicable	Konni Reserve Forest -3km
Distance from protected area, Wildlife Sanctuary, National Park etc.	No protected area, Wildlife Sanctuary, National Park with in 10KM radius from the mine site
Distance from nearby streams/rivers/National Highway and Roads	Achankovil River – 5km
Is ESA applicable? If so distance from ESA limit	Not falling in ESA
Has approved mining plan, prepared by RQP submitted?	Yes, Submitted along with the application
Land cost / Plant and Machinery cost/Total cost	Land- Rs. 60Lakh Plant and Machinery – 40 lakh Total cost – 100 lakh

Financial statement including funding source and details of insurance etc.	Source of funding : Own fund
MANAGEMENT PLAN	
Air pollution	<p>No significant air pollution as the mining operation is in wet stage. However during the summer water spraying is used to suppress the dust on roadways. The improvement of haulage road is made to suppress dust during transportation. Water sprinklers are provided to check the dusty road in the mining area.</p> <p>Dust released due to mining activity is suppressed periodically by sprinkling of water, by engaging water tankers.</p>
Water pollution	Garland drains are provided at the mine site to regulate monsoon water and direct the same to the settling ponds/mine pit to contain the mine wash off and to avoid the same joining the adjoining surface water bodies/water courses.
Noise	Plantation is carried out all along the lease periphery, which act as acoustic barrier for noise transmission
Solid waste management	Solid waste is stacked at designated places during the quarry operations and will be utilized for reclamation work during mine closure plan.
Eco restoration	At the end of life of mine, the excavated pit reclaimed with stacked dumping and overburden and rehabilitated by plantation.
Details of statutory sanction required	<p>statutory sanctions obtained,</p> <p>i. quarrying lease – 7127/M3/2019 dt 11/12/19</p> <p>ii. NOC from pollution Control Board- PCB/PTA/ICO/QR/212/2016 DT 20/05/2020</p> <p>iii. Environment Clearance form letter No. 8065/2017/C1 dated 16.12.2017</p> <p>iv. NOC from Explosive Dept – E/SE/KL/22/135(E11282)</p> <p>v. Panchayath License – 20HI 1413/20-21</p>
Id CRZ recommendation applicable?	Not applicable
ENVIRONMENTAL MITIGATION MEASURES	
I. WATER	
Details of water requirement per day in KLD	<p>1 KLD Domestic consumption</p> <p>2 KLD Dust suppression</p> <p>2 KLD Watering the Plantation/Green belt development</p>

Water source/sources.	Storm water reservoir/ Well
Expected water use per day in KLD.	5 KLD
Details of water requirements met from water harvesting.	Around 2 KLD is required for dust suppression is met from water harvesting pond.
What are the impact of the proposal on the ground water?	The ground water level measured from the nearest well is about 20-25 m below the ground level 115m sl. The ultimate depth of working of the quarry is 125m MSL. Since the working is much above the general ground water table, it does not affect the ground water.
How much of the water requirement can be met from the recycling of treated waste water? (Facilities for liquid waste treatment)	Not Applicable
What is the incremental pollution load from waste water generated from the proposed activities?	Not applicable
How is the storm water from within the site managed?	<ul style="list-style-type: none"> • Storm water drains with silt traps suitably constructed all along the periphery of the pit area (Garland drains)to collect the runoff from the lease area and divert into the storm water pond/tanks proposed within the complex • Appropriate channelization of storm water with channels of sufficient width • All measures will be taken not to disturb the existing drainage pattern adjacent to the other property
II. BIODIVERSITY AND ECO RESTORATION PROGRAMES	
Will the project involve extensive clearing or modification of vegetation (Provide details)	There will not be any loss of native species of genetic diversity as the quarry already exists and continuation of the same will not affect or loss of native species in general.
What are the measures proposed to minimize the likely impact on vegetation (details of proposal for tree plantation/ landscaping)	Developed green belt to about 80% which includes areas like along mine lease boundary (7.5m width), all along the periphery of the mine lease area and the reclaimed area. Grass and bushes is planted in areas prone to erosion especially at the foot of the mine lease area. Other areas will be fertilized and planted with local species. The characteristics of this vegetation will resemble that of the natural environment.
Is there any displacement of fauna – both terrestrial and aquatic. – If so what are the mitigation measures ?	This region does not have any endemic or endangered species.

Presence of any endangered species or red listed category (in detail)	
III. AIR ENVIRONMENT	
What are the mitigation measures on generation of dust, smoke and air quality	<ul style="list-style-type: none"> Laying of haul road as per the standards, black topping of permanent haul road and service road to avoid air borne dust Water sprinkling on haul roads Wet drilling and drill machine will be equipped with dust collector Use of appropriate explosives for blasting and avoiding overcharging of blast holes
Details of internal traffic management of the site.	<ul style="list-style-type: none"> In case of long transportation the trucks after loading will be covered with tarpaulin sheets Speed of the vehicles will be maintained within the prescribed limits Trucks will not be over loaded and will be maintained to the body level.
Details of noise from traffic, machines and vibrator and mitigation measures	<ul style="list-style-type: none"> Proper maintenance of machinery, equipment's and improvement on design of machines Use of personal protective devices i.e., earmuffs and earplugs by workers, who are working in high noise generating areas. Creation of wide green belt of defense foliage between mine areas and residential colonies.
Impact of DG sets and other equipments on noise and vibration and ambient air quality around the project site and mitigation measures	<ul style="list-style-type: none"> DG sets and Other equipments having CPCB specifications shall be used for the operation Controlled blasting techniques is adopted
Air quality monitoring in detail	Air quality is monitored at the boundary of the project site and results are found within the limits as per CPCB guideline
IV. ENERGY CONSERVATION	
Details of power requirement and source of supply.	No electric power required for quarry operation
Details of renewable energy (non – conventional) used.	Not applicable
V. RISK MANAGEMENT	
Are there sufficient measures proposed for risk hazards in case of emergency such as accident at the site?	<ul style="list-style-type: none"> Proper barricading and monitoring of the water stored area would be taken up to prevent accidents

	<ul style="list-style-type: none">Well equipped medical facilities are available round the clock for attending emergency arising out of accidentsAll working personnel are medically examined at least once in every year and at the end of his term of employment		
Are proposals for fencing around the quarry satisfactory?	Yes, Fencing has been done along the project site boundary.		
Storage of explosives/hazardous substance in detail	Proper and safe storage of explosives in approved and licensed magazine		
Facility for solid waste management	<p>Top soil management</p> <p>The topsoil excavated from the quarry will be dumped separately at pre-determined place and subsequently will be utilized in spreading over reclaimed areas for plantation. Precautions will be taken to limit the height of the topsoil dump to 5 to 6 meters in order to preserve its fertility and shelf life. It will be suitably protected from soil erosion and infertility by planting fodder grass and leguminous plants during temporary storage.</p> <p>Overburden Management</p> <p>The overburden waste will be utilized within the pit for lying of haul roads. At the end use, OB can be reutilized as soil base for plantation.</p>		
VI. SOCIO ECONOMIC ASPECTS			
Will the project cause adverse effects on local communities’ disturbance to sacred sites or other cultural values? What are the safe guards proposed?	Not Applicable		
Will the proposal result in any changes to the demographic structure of local population? If so, provide details.	Nil,		
Details of CSR commitment	Sl. No	Particulars	Recurring Expense
	1	Promotion of Education	3,00,000
	2	Community Development	75,000
	3	Health Care	1,25,000
		Total	5,00,000/ year

What are the projects benefits in terms of employment potential?	The quarrying activity benefit local villages in both directly and indirectly. Direct beneficiary will be those who get employed in quarry as skilled and unskilled workers
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III. COMPLIANCE OF EC CONDITIONS

Table 2. Status of compliance to the General conditions in the Environmental clearance

SI No	Conditions	Actions Taken
1	Each project Proponent should give in writing in stamp paper worth Rs. 200 the amount earmarked yearly for the Corporate Social Responsibility (CSR) activities and the amount should be spent for the welfare of the people living near the project area.	During the period the amount earmarked for the CSR has been spent according to DEIAA recommendation during the clearance procedure. The proponent has spent more than the committed amount in the CSR. Details of CSR Activities are provided as Annexure 7
2	At least 10 % of the fund earmarked by the project proponent for the CSR activities should be spent through LSG Department.	Complied
3	The Project Proponent should carryout mining as per the approved mining plan.	The mining plan is followed for the quarry activities.
4	The Project Proponent should also scrupulously follow the general conditions stipulated by SEIAA for mining projects.	Compliance of general conditions stipulated by SEIAA is followed as B. General Conditions of this report.
5	Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the DEAC / DEIAA members for entry and inspection	The Site office in the project site will take care of the entry and will facilitate the inspection if necessary. Contact Details attached.
6	The entire area proposed for quarry should be properly fenced.	The lease area is marked by concrete pillars using geo coordinates and the lease area is fenced.

Table 3. Status of compliance to the General conditions in the Environmental clearance

SI No.	General Conditions	Actions Taken
1.	Rain water harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.	RWH facility is installed in the site to tap the rain water from the main administrative building of the Mining office. All the storm drains are diverted to the mine area. The water thus collected is used for sprinkling the avenue plantation and dust suppression in the quarry site.

2.	Environment Monitoring Cell as agreed under the affidavit filed by the Proponent should be formed and made functional.	Environment Monitoring Cell has formed and the cell is taking care of the environmental aspect of the project.
3.	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any including approach road and internal roads.	Bamboo, Teak, jackfruit, etc trees were planted and maintained along the approach roads and surrounding the quarry area
4.	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Will be followed
5.	Sprinklers shall be installed and used in the project site to contain dust emissions.	Water sprinkling has been undertaken to control dust pollution along the road and in the site
6.	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	The project proponent will take care of the eco restoration as agreed in the Mine closure plan.
7.	At least 10 % out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC	After the main a portion of the quarry area can be utilized for storage of water. Overburden and top soil were kept in the project site in order to follow the eco restoration procedure. Locally available trees are planted along the site to control noise and dust pollution. The same will be followed for eco restoration too.
8.	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	The project proponent has spent a surplus amount than committed for CSR. Moreover, during the flood, the proponent has done lot of work for the benefit of the people.
9.	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, stores, marking etc) shall be protected at all times and shall be conspicuous.	The area is properly fenced and the details are attached. Further the proper sign boards are installed in and around the site for awareness and public information. Safety measures has also taken care of. The assembly point in case of any accident occur also demarcated and displayed in the site
10.	Warning alarms indicating the time of blasting (to be done at specified timings) has to be arranged as per stipulations of Explosive Department.	Standard warning system has installed in the site. Blasting time and warning to the workers has installed in the site
11.	Control measures on noise and vibration prescribed by KSPCB should be implemented.	The standard method followed to control noise and vibration.
12.	Quarrying activities should be limited to day	Quarry timing is restricted to 8 AM – 2

	time as per KSPCB guidelines/specific conditions.	PM.
13.	Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.	A licensed blaster is overlooking and controlling the blasting
14.	A licensed person should supervise/control the blasting operations.	The mining activities are supervised by a licensed blaster
15.	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Dust emission control methods are followed as per the guidelines. Frequent sprinkling of water has been undertaking to reduce the dust emission
16.	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.	Overburden materials are stored in the project site
17.	Height of benches should not exceed 5m and width should not be less than 5m, if there is no mention in the mining plan/specific condition.	The bench system is followed for the mining as per the approved mine plan
18.	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Followed.
19.	Maintenance of Maximum depth of mining from general ground level at site shall not exceed 10 m.	Maximum depth of mining will be restricted to 10 m.
20.	No mining operations should be carried out at places having a slope greater than 45°.	No such area under the lease.
21.	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provision of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	There is only quarrying activity in the project site. Proper green belt has provided to reduce the noise pollution
22.	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet etc.	Safety measures have taken for the well-being of quarry workers during working time
23.	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	All the drains have channelized into the mine area where it store the water for watering the plants and sprinkling the water for dust suppression.
24.	The transportation of minerals should be done in covered trucks to contain dust emissions.	All trucks are covered during the transportation of minerals (Plate G-9)
25.	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	The buffer zone trees are kept to reduce the noise pollution and dust pollution during the quarry operation. <i>Artocarpus heterophyllus</i> , <i>Anacardium occidentale</i> ,

		<p><i>Mangifera indica</i>, <i>Psidium guajava</i> etc were planted as a compensation for the tree removed for the project.</p> <p>A green belt is developing along the site.</p>
26.	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Standard procedures are followed for the storage of the spent oil and disposal.
27.	Explosives should be stored in magazines in isolated places specified and approved by the Explosive Department.	Explosives are kept in separate place and containers.
28.	A minimum buffer distance of 50 m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	The minimum distance of 50 m has followed for the quarry operation.
29.	100m distance shall be insisted upon for grant of Environment Clearance for mining of minor minerals up to 2 hectares from natural forests with natural species of trees, including wildlife sanctuaries. However, for leases less than 2 hectares, the 100m distance may be reduced to a maximum of 50 m in respect of adjacent lands clarified as forest, if such areas are barren or rocky outcrops devoid of any natural vegetation (cf Minutes of video conference with chairpersons of the DEIAA held on 28.4.2017).	The proper distance has kept in the mining area. No ecologically sensitive area is near to the quarry site.
30.	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before mining activity	Consent to operate obtained from KSPCB to carry out the mining through QCO/PTA/200/EXP/2017 dated 27.11.2017. Which is valid upto 30.06.2020. renewed Consent No : QCO/PTA/200/R1/2020 valid upto 15/12/2022
31.	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	All the relevant clearances have obtained from competent authorities.
32.	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environment parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall	Not Applicable.

	apply and get the approval of this Authority.	
33.	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the EC 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 proponent accepts the authorities order and will bound to the suggestions.
34.	The stipulations by Statutory Authorities under different Act 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	All the measures were followed for the quarrying activity.
35.	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspapers) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the DEIAA. 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.	Complied after getting the EC.
36.	A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayath/District Panchayath / Municipality / Corporation / Urban Local Body and also to the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent	A copy of the Clearance letter had sent to the mentioned authorities / offices.
37.	The details of Environmental Clearance should be prominently displayed in a metallic board of 3ft × 3ft with green background and yellow	A display board is installed in the entrance of project site facing public

	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.	
38.	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.	No natural course of water channels altered due to the project. Proper measures have taken no to disturb any water bodies or watersources.
39.	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 point to reduce fugitive emissions.	The Monitoring of air and water will be conducted annually and will submit along with the next Compliance report (CR - IX). Water sprinkling were doing periodically to minimize the air pollution. The vehicle is properly covered after loading for transporting the material
40.	The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 m and width 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	Top soil preserved in the project site for land reclamation and plantation.
41.	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.	All the drains have channelized to the mined area in order to avoid any kind of pollution to the nearby water resources. Moreover, settling tank is made for the proper sedimentation. Further the surrounding area is vegetated to reduce the runoff from the mining site.

42.	Effective Safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM ₂₅ such as haul Road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters confirm to the norms prescribed by the Central Pollution Control Board in this regard	Water Sprinkling is conducting along the project site and throughout the road from the site to the boundary of the mining area. Proper warning sign boards are installed in the project site. Assembly points marked in any case of emergency occurs during the activity and supplied safety equipment's to the workers.
43.	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul road, loading and unloading and at transfer points should be provided and properly maintained.	Water sprinkling has been undertaking periodically to minimize the dust emission. Every mineral carrying vehicle is covered properly to reduce the emission during transportation.
44.	Measures should be taken for control of noise levels below 85dBA in the work environment.	The green belt across the project is kept as such in order to control the noise level during quarrying activity .
45.	A separate environmental management cell with suitable qualified personal should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.	The site supervisor is in charge of the Environmental Management Cell.
46.	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the DEIAA office for scrutiny.	The details of CSR activities provided
47.	The mining operation shall be restricted to above ground water table and its should not interest ground water table.	The water table will not be altered with the quarrying operation. Enough measures are taking care of for the protection of water.
48.	All Vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area.	All vehicles are having PUC certificate.
49.	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface and ground water for the project.	The daily use of water is drawn from the well in the site.
50.	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	The flow of water bodies is not altered with the quarrying operation.

	and reported in the 6 monthly reports to DEAC/DEIAA.	
51.	Occupational health surveillance program of the workers should be under periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Proper measures are taking care for the health of workers
52.	No Mining operations should be carried out at Govt.Purampoke land.	No govt. land is involved in the mining operation.

III. ENVIRONMENTAL MONITORING CELL

Table 4. Environmental Monitoring Cell

Sl No	Name	Designation	
1	Martin Varghese	Head of the cell(Proprietor)	Frame policies monitoring the activities
2	Martin Varghese	Environmental Manager-Unit manager	Co-ordinate environmental Activities and monitoring of compliances
3	Madaswamy	Supervisor	Implement the Activities and procedures
4	M/s Prime Technology Services	Environmental Consultant	Provide technical guidance for sound environmental friendly business
5	M/S Standard ^S	Environmental Monitoring Agency	Monitor Ambient Air, Noise, water and soil periodically

For Quarry project of **Aducadu Granites Pvt. Ltd.**

Mr. Martin Varghese

Manager Director

ANNEXURES

Annexure 1

Quarrying Lease

No. 7127/M3/2019

Directorate of Mining & Geology
Kesavadasapuram, Pattom P.O.

Thiruvananthapuram-4

Tel: 0471-2447429

Fax: 0471-2447429

E.mail: director.dir.dmg@kerala.gov.in

Web: www.dmg.kerala.gov.in

Dated: 11/12/2019

From

The Director of Mining & Geology

To

M/s. Adukadu Granites Private Limited,
Azhikkakathu White House, Mathoor Junction,
Eroor South, Thrippunithura, Ernakulam District – 682 306 &
Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692
(Represented by its Managing Director, Shri. Martin Varghese)

Sir,

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

Ref: 1. Pro. Order No. 535/2019-20/7127/M3/2019/DMG Dated: 11/12/2019
2. Kerala Minor Mineral Concession Rules, 2015
3. Kerala Minerals (Prevention of illegal Mining, Storage & Transportation)
Rules, 2015.
4. Mines & Minerals (Development & Regulation) Act, 1957.

Please refer to the Proceedings Order cited above wherein a quarrying lease for Granite (Building Stone) is granted to **M/s. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrippunithura, Ernakulam District – 682 306 & Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692 (Represented by its Managing Director, Shri. Martin Varghese)**. A draft copy of quarrying lease deed in Form H is enclosed. I request you to prepare three copies of the quarrying lease deed, original on plain paper and two copies of the same in stamped paper worth Rs. 500/- and produce the same before the **Geologist, District Office, Pathanamthitta** for scrutiny and execution. The date of execution will be filled by the Geologist at the time of execution or you fill in the date after getting confirmation from the District Geologist. After scrutiny of the quarrying lease deed, the Geologist will inform you the date of execution convenient to him. You have to be present in person at the District Office on such date with two witnesses for execution of deed. It may be noted that the survey map based on which lease is granted to you forms a part of the deed and same has to be included in the lease deed. The signature of the lessee and lessor has to be affixed in the survey map also. After execution of deed, as per the request of the District Geologist stamp duty shall be fixed by District Registrar. On remittance of stamp duty, a certificate of remittance of stamp duty will be entered in the lease deed by the Registrar. The lease deed has to be registered by the office of the Registration Department concerned. After registration, the documents have to be produced before the District Geologist.

A chalan for **Rs. 43,804/- (Rupees forty three thousand eight hundred and four only)** being the security deposit is enclosed herewith duly countersigned. Please affix your signature at the appropriate places before remittance of money in the treasury. The original treasury receipted chalan may also be produced along with the typed copies of the lease deed before the Geologist, District Office, **Pathanamthitta** at the time of execution.

✓

Please note that the quarrying lease deed has to be executed within a period of six months from the date on which quarrying lease has been granted and got registered in accordance with the Registration Act, 1908 vide Rules 44 of the Kerala Minor Mineral Concession Rules, 2015.

Before starting quarrying operations you have to send 2 copies of notice in attached Form D to the Director (Mining), Directorate General of Mines Safety, No. 5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bangaluru – 560 034 and one copy to District Magistrate concerned.

Yours faithfully,

[Handwritten signature]
11/12/2019

DIRECTOR OF MINING & GEOLOGY

Encl (applicant):

1. Proceedings order
2. Draft Form H
3. Form D
4. Countersigned Chalan

Copy to:

The Geologist, District Office, Pathanamthitta for further necessary action.
(Ref your letters No. 634/DOPTA/M/19 dated. 24/07/2019, 15/11/2019)

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

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

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

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

Encl: (District Geologist)

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



**PROCEEDINGS OF THE ADDITIONAL DIRECTOR OF MINING & GEOLOGY,
THIRUVANANTHAPURAM, KERALA**

(Present Shri. T K Ramakrishnan)

- Sub:* Department of Mining & Geology, Government of Kerala - Mines & Minerals - Minor Minerals – Granite (Building Stone) – Quarrying Lease to M/s. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrippunithura, Ernakulam District – 682 306 & Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692 (Represented by its Managing Director, Shri. Martin Varghese) – sanctioned-orders-issued.
- Ref:* 1 Application dated. 27/04/2019 from M/s. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrippunithura, Ernakulam District – 682 306 & Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692 (Represented by its Managing Director, Shri. Martin Varghese)
- 2 Letter No. 634/DOPTA/M/19 dated. 24/07/2019, 15/11/2019 from the Geologist, District Office, Pathanamthitta.
- 3 Letter of Intent No. 7127/M3/2019 dtd. 28/10/2019 issued by Director of Mining and Geology
- 4 Environmental clearance No. 19/2017 issued vide Pro. order No. 8065/2017/C1 (DIA/KL/MIN/10299/2017) dtd. 16/12/2017 by the District Environment Impact Assessment Authority, Pathanamthitta (valid till 15/12/2022)
- 5 Integrated consent to operate No. QCO/PTA/200/EXP/2017 dt. 27/12/2017 issued by Kerala State Pollution Control Board, Pathanamthitta (valid till 30/06/2020)
- 6 Explosive License No. E/SC/KL/22/135(E11282) dated. 04/11/2019 issued by Petroleum and Explosive Safety Organization, Ernakulam (valid till 31.3.2023)
- 7 Licence No. 645 A5 3876/19/20 dated. 11/11/2019 issued by Konni Grama Panchayat, Pathanamthitta District (valid till 31.03.2020)
- 8 Mines and Minerals (Development & Regulation) Act, 1957.
- 9 Kerala Minor Mineral Concession Rules, 2015
- 10 Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015

No. 535/2019-20/7127/M3/2019/DMG

Dated, Thiruvananthapuram

11/12/2019

ORDER

M/s. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrippunithura, Ernakulam District – 682 306 & Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692, a Private Limited Company having Corporate Identity No. U14102KL2016PTC040448,



represented by its Managing Director, Shri. Martin Varghese, (Aadhaar No. 9302 5854 8973) submitted an application vide reference first cited to obtain quarrying lease to quarry Granite (Building Stone) over an area of **4.3804** Hectares of land (as per the survey map No. C4 – 10688/18 dtd. 01/03/2019 issued by Tahsildar, Konni) comprised in **Survey Nos. 571/1A/34/3/1, 571/1A/34/3/1/1, 571/1A/34/3/4, 571/1A/34/3/4/1, 571/1A/34/3/6, 571/1A/34/3/6/1, 571/1A/34/3/6/2, 571/1A/34/3/7, 571/1A/34/3/7/1 of Konni - Thazham Village, Konni Taluk.** The District Geologist, Pathanamthitta has intimated that the applied area was previously quarried with the strength of quarrying permits and that a total quantity of 1,58,117.50 tonnes of Granite (building stone) has already removed from the said area. The District Geologist has also intimated that as on date of application, there is no dues against the applicant.

Based on the merit of the application and the enclosed mandatory documents including survey map, possessions certificates, demarcation certificate and land assignment certificate issued by Revenue Authorities and based on the recommendation of the District Geologist, a letter of intent was issued to the applicant vide reference cited 3 intimating the intention of the department to grant quarrying lease subject to production of approved mining plan and other statutory licenses. On verifying the documents produced by the applicant it is seen that the applicant has been issued with an EC by the DEIAA, Pathanamthitta for a period of 5 years from 16.12.2017. On a perusal of the EC it is seen that while granting EC the ownership of the applied area was different from the present ownership. At the time of application for EC, consent obtained from the owners was for 5 years and hence Mining Plan was prepared for 5 years and the Geologist approved it for 5 years. As the consent and Mining Plan was for 5 years the DEIAA granted EC for 5 years. As the applicant was required to produce modified Mining Plan for the applied area for lease it was prepared by Shri. Cyriac Joseph, Recognized Qualified Person (Reg. No. DMG/KERALA/RQP/15/2018) and got it approved by the Geologist, Pathanamthitta. In the modified Mining Plan the mineable reserve is 17,45,582.50 tonnes. The Mining Plan is prepared for 5 years and the yearwise production is also prepared for 5 years as per the EC obtained by the applicant. As per the Mining Plan the average production for 5 years is 71,631 tonnes. As the EC is valid upto 15.12.2022, the applicant/lessee has to produce renewed EC on or before 15.12.2022, for the operation of the remaining period of quarrying lease. Since the applicant has produced all statutory documents as per the Letter of Intent, it is decided to grant a quarrying lease in the said land and hence the following orders are issued:

A quarrying lease is hereby granted to **M/s. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrrippunithura,**



Ernakulam District – 682 306 & Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692, a Private Limited Company having Corporate Identity No. U14102KL2016PTC040448, represented by its Managing Director, Shri. Martin Varghese, (Aadhaar No. 9302 5854 8973) to quarry Granite (Building Stone) over an area of **4.3804** Hectares of land (as per the survey map No. C4 – 10688/18 dtd. 01/03/2019 issued by the Tahsildar, Konni) comprised in **Survey Nos. 571/1A/34/3/1, 571/1A/34/3/1/1, 571/1A/34/3/4, 571/1A/34/3/4/1, 571/1A/34/3/6, 571/1A/34/3/6/1, 571/1A/34/3/6/2, 571/1A/34/3/7, 571/1A/34/3/7/1 of Konni - Thazham Village, Konni Taluk, Pathanamthitta District for 5 (Five) years** as per the Kerala Minor Mineral Concession Rules, 2015, subject to the conditions mentioned below.

1. 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 and the quarrying leases deed shall be registered in accordance with the provisions of the Indian Registration Act, 1908.
2. The lessee shall commence quarrying operation only after the deed is executed and registered.
3. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous written permission of the Director of Mining & Geology.
4. 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. In case the lessee opts for consolidated royalty payment system by registering attached metal crusher units as per Rule 89, then consolidated royalty at the rate specified in Schedule III said Rules shall be paid instead of royalty specified in Schedule I.
5. 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.
6. 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.
7. The lessee shall also deposit an amount of **Rs. 43,804/- (Rupees forty three thousand eight hundred and four only)** being the security deposit at the rate of Rs 10,000/- 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.
8. The lessee shall produce financial guarantee for **Rs. 1,09,510/- (Rupees one lakh nine thousand five hundred and ten only)** as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.

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9. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the District Geologist periodically.
10. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the District Mineral Foundation Fund in addition to the royalty/consolidated royalty.
11. In addition to the royalty, rents, funds, fees etc. that are required to be remitted by the lessee as per the Mines and Minerals (Development and Regulation) Act, 1957 and Rules made thereunder, the lessee shall pay all other fees, rents, taxes etc. as required by other agencies including Goods and Service Tax (GST) for royalty.
12. The quarrying shall be carried out as per the conditions stipulated in Kerala Minor Mineral Concession Rules 2015 and storage and transportation of mineral shall be carried out as per Kerala Minerals (Prevention of Illegal Mining, Storage and Transportation) Rules 2015.
13. The Environmental Clearance shall be renewed on or before **15/12/2022** for the operation of the quarry for the remaining period.
14. The quarrying operations shall be strictly as per the approved mining plan and schemes of mining.
15. The lessee shall review the progressive quarry closure plan every five years from the date of opening of the quarry and shall submit to the competent authority for its approval. The lessee shall submit to the competent authority in this behalf any early report before 1st July of every year describing protective works including reclamation and rehabilitation work carried out as envisaged in the approved quarry closure plan and if there is any deviation, reasons thereof.
16. The lessee shall submit a scheme of mining for the next five years or remaining period of the lease to the competent authority for approval at least one hundred and twenty days before the expiry of the first five year period for which it was approved on the last occasion.
17. The lessee shall submit final quarry closure plan one year prior to the proposed closure of the quarry and close the quarry as per the approved quarry closure plan.
18. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the year-wise quantity specified in the approved Mining Plan and scheme of mining.
19. 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.

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20. The Lessee shall comply with any and all laws, ordinances, rules and orders related to quarrying operations of any and all governmental or quasi-governmental authorities.
21. The lessee shall comply with all the conditions mentioned in other statutory license required for carrying out quarrying operations.
22. The lessee shall stop all quarrying activities in the event of expiry of any other statutory licenses which is required for carrying out quarrying activities in the State as per the prevailing Acts and Rules. Any quarrying activity undertaken violating the above condition will be treated as illegal and lessee will be solely responsible for such act and lessee will be liable to pay the penalty imposed by any officer competent to enforce such Acts and Rules.
23. In case the lessee makes any breaches in the conditions of the lease deed or violates the conditions stipulated in relevant Act and Rules based on which all Statutory Licenses are issued for quarrying, then the lessee will be solely responsible for any such breaches and violation and in such cases, the lessee will be solely liable to pay such sum of money as fixed by competent authorities as due and penalty.
24. The Lessee shall indemnify and keep indemnified the State Government against all actions, proceedings, suits, claims, demands, losses, damages, costs, charges, and expenses incurred or suffered by them as a reason of any non-observance or non-performance of rules and regulations
25. This lease is granted in good faith based on the documents/licenses submitted by the lessee. The lessee is solely responsible for the authenticity of the documents/licenses submitted. At any stage, if it is observed that the documents submitted are incorrect or fake or forged or if it is found that some information was omitted or suppressed, then this lease is liable to be cancelled. In such an event the quarrying carried out with the strength of this lease will be treated as quarrying conducted without any lawful authority.
26. The lessee shall properly maintain the boundary pillars erected as per the demarcation certificate issued by the Village Officer till the expiry of lease.
27. 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 lessee, mineral concession number and date, validity of concession, the name of the mineral quarried, proposed annual production etc. In addition, details of other statutory licenses shall also be displayed.



28. The lessee shall erect by the side of the road leading to quarry (preferably 100 m away from quarry), a warning board with danger sign regarding operation of the quarry and use of explosives.
29. The lessee should take effective preventive measures for the safety of labourers as well as the general public. In due course of quarrying, if any part of the quarry becomes unsafe, then the lessee shall properly fence that area for preventing accidents by falling of human beings, animals, vehicles or any objects into the pit formed by quarrying.
30. The lessee shall not carry out any quarrying operations within 7.5 meters from the boundary of the lease area and quarrying operations shall be carried out in benches.
31. The lessee shall send a notice in form D appended to KMMC Rules 2015 to the Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru - 560034 and to the District Magistrate concerned before commencing the quarrying operation and shall intimate the same to the District office of the Department of Mining and Geology concerned.
32. The lessee shall keep book of accounts of production and dispatch of granite (building stone) and shall file monthly and annual returns in Form F and Form G appended to KMMC Rules 2015.
33. 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.
34. In this case, the anticipated royalty to be remitted for the mineral extracted per year at the present rate of royalty of **Rs. 24/-** per tonne with average annual production of **71,631** tonnes is **Rs. 17,19,144/- (Rupees seventeen lakhs nineteen thousand one hundred and forty four only)**. In this case, the surface rent to be remitted per year at the present rate of Rs. 5 per Are per year is **Rs. 2,190/- (Rupees two thousand one hundred and ninety only)** and in the event of non - functioning of quarry the Dead Rent to be realized for the 1st year - NIL IInd year - Rs. 300/- (Rupees three hundred only) and IIIrd year onwards - Rs. 1,200/- (Rupees one thousand and two hundred only) per hectare subject to revision from time to time.

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
ADDITIONAL DIRECTOR OF MINING & GEOLOGY

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To

M/s. Adukadu Granites Private Limited,
Azhikkakathu White House, Mathoor Junction,
Eroor South, Thrippunithura, Ernakulam District – 682 306 &
Branch Office at Payyanamon P. O, Konni, Pathanamthitta District – 689 692
(Represented by its Managing Director, Shri. Martin Varghese)

Copy to:

- 1 The Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru – 560034
- 2 Member Secretary, SEIAA, Thampanoor Bus Terminal, Thiruvananthapuram
- 3 The Chairman, SEIAA, Thampanoor Bus Terminal, Thiruvananthapuram.
- 4 The Deputy Chief Controller of Explosives, PESO, C2-III Floor, CGO Complex, Kakkanad, Ernakulam
- 5 The Environmental Engineer, Kerala State Pollution Control Board, District Office, Pathanamthitta District.
- 6 The Secretary, Konni Grama Panchayath, Pathanamthitta District.
- 7 The Tahsildar, Konni Taluk Office, Pathanamthitta District.
- 8 The Village officer, Konni - Thazham Village, Pathanamthitta District.
- 9 Shri. Cyriac Joseph, M/s. Global Environment & Mining Services, #212, Celestic Tower, Palm Avenue, Green Glen Layout, Bellandur, Bangalore, Karnataka State – 560 103.
- 10 The Geologist, District Office of the Dept. of Mining and Geology, Pathanamthitta.
- 11 Stock File
- 12 File Copy

(By Order)

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11/12/2019

Senior Superintendent



Duplicate 1
Document No 2409/1/19



കേരളം KERALA

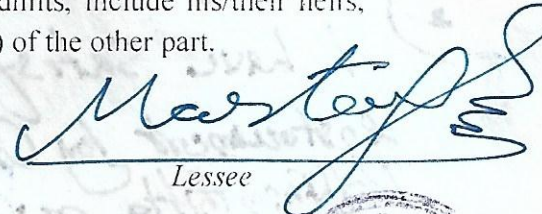
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FORM H
(See rule 43)
QUARRYING LEASE



This deed of lease made on this the 23rd day of December 2019 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. Adukadu Granites Private Limited, Azhikkakathu White House, Mathoor Junction, Eroor South, Thrissur, Ernakulam District-682 306 & Branch Office at Payyanam P.O., Konni, Pathanamthitta District-689 692, a Private Limited Company having Corporate Identity No. U14102KL2016PTC040448, represented by its Managing Director, Sri. Martin Varghese, aged 53 years, S/o. A.K. Varkey, residing at Azhikkakathu House, SN Junction, Thrissur, Nadama Village, Kanayannur Taluk, Ernakulam District-682 301 (Aadhaar No. 9302 5854 8973) (hereinafter called the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

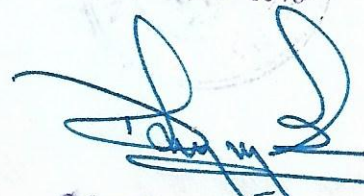

Lessor


Lessee

Page 1 of 6
27 AUG 2019

No. 1924. 29. 11. 2019 Rs. 500/-

മെറ്റിൻ വർഗ്ഗീസ് മെറ്റിൻ വർഗ്ഗീസ് രാജുവർഗ്ഗീസ്
മെറ്റിൻ വർഗ്ഗീസ് മെറ്റിൻ വർഗ്ഗീസ് രാജുവർഗ്ഗീസ്


മെ. സി. രാജുവർഗ്ഗീസ്

Duplicate I

Document No 2409/1/19

Presented in the office of the Sub Registrar of Kooni with photo and thumb impressions of the present offered on 31st day of December 2019 at 2.30pm and paid a fee of rupees thirty size thousand five hundred and fifty seven only as a payment for

x Martin Varghese
Residing at Azhikkalkuthi House
On 31st day of December 2019

Martins

S. HARI KUTAN PILLAI
SUB REGISTRAR

Execution admitted by

Martin Varghese
S/o B-L Varghese, Managing Director residing at Azhikkalkuthi House
Thrippunithura
Signed as Managing Director for M/S Azhikkady Granite Pet L Ltd
Byju Varghese ~~Byju~~ S/o Varghese Vonnakkam ~~Byju~~
~~Residing at Vakkayit P.O. Quilon P.O.~~

Martins



2) I have satisfied myself as to the execution of this instrument by Geologist Department of Mining & Geology District Office Palakkad Thitta represented for Government of Kerala. Who is exempted from personal appearance as per 1 of the act

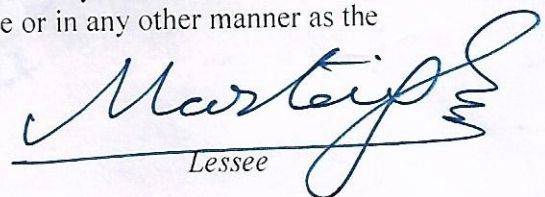


[Signature]

Witnesseth that in consideration of the rents and royalties and lessee's/Lessee's covenants, hereinafter reserved and contained the State Government hereby give on lease to the lessee/lessees the land measuring **4.3804 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 **5 (Five) years** commencing from **23-12-2019** and ending on **22-12-2024** 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** (hereinafter 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 authorised by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in schedule I to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.
3. The lessee/lessees shall pay to the State Government a yearly surface rent equal to the land revenue if any, assessable under the rules for the time being in force, or if the land be the property of Government or in reserve forest then equal to the land revenue plus cess, if any, per hectare of the land the surface whereof shall be occupied or used by the lessee/lessees for any of the purposes of this deed and so in proportion for any area less than one hectare. The said surface rent shall be paid by yearly payments; the first of such payments to be made on or before the last day of the first year of occupation provided always that no such rent shall be paid or demanded in respect of any roads or ways now in existence.
4. The lessee/lessees shall at all times during the currency of this lease keep correct and intelligible books of account showing accurately the quantity of the said minerals extracted and the weight and value of the said mineral sold or exported together with the names of the purchasers or consignees. The lessee shall also maintain a register of employees showing therein separately men, women employed daily and shall at reasonable times allow the competent authority appointed under the rules (hereinafter referred to as "competent authority") or the officer authorised by him to examine the said books of account and the register of employees and to take copies and extracts therefrom. The lessee/lessees shall submit reports in Forms F and G on the specified dates.
5. All sums found due under or by virtue of this deed from the lessee/lessees may be recovered from him jointly and severally from them and his/their properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue or in any other manner as the State Government may deem fit.


Lessor


Lessee

Identified by
Byju Varghese ~~Byju~~ s/o Varghese Ponnachen Company Bb
Residing at Vakkayil (H) Enalloor P.O

Residing at Enalloor. M.G. ~~Byju~~ s/o Gopala Krishnan
Company Job residing at Manappattu. Kizha-
kettil (H) Vazhankara P.O

On 31st December 2019


S. HARI KUTTAN PILLAI
SUB REGISTRAR

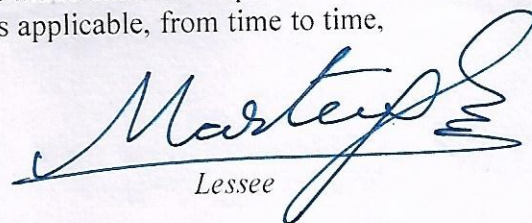
On 31st December 2019


S. HARI KUTTAN PILLAI
SUB REGISTRAR
KONNI



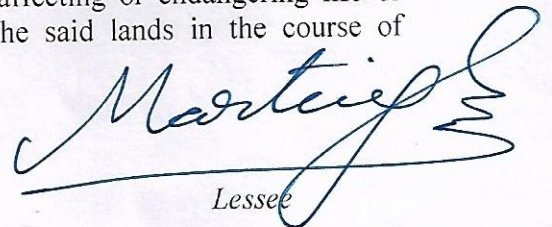
6. The lessee/lessees shall at the lessee's/lessees' own expense erect and at all times maintain and keep in repair boundary marks and pillars along the boundaries of the said lands according to the demarcation shown in the plan hereto annexed.
7. The lessee shall not carry on or allow to be carried on any quarrying operations at or to any points within a distance of 100 metres from any railway line except with the previous written permission of the railway administration concerned and any bridge on National Highway or 50 metres from any reservoir, tanks, canals, rivers, bridges, public roads, other public works, residential buildings, the boundary walls of places of worship, burial grounds, burning ghats or one kilometer from the boundaries of National Park or Wildlife Sanctuaries except with the previous permission of the authorities concerned or the Government or competent authority.
8. The sides of open workings shall be sloped, stepped or secured by the lessee in such a manner as to prevent slope failure, when an open working is worked in steps, steps shall be of sufficient breadth in relation to their height to secure safety. In open workings trees liable to fall and all loose ground and material shall be removed by the lessee sufficiently far from the edge or otherwise made source in order to prevent danger to persons employed in the quarry.
9. If a working place is found to be unsafe all persons shall be withdrawn by the lessee/lessees immediately from the dangerous area and all access to such working 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 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/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.


Lessor


Lessee

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 that the lessee/lessees has/have paid all sums due on account of the lease. Provided that if the lessee/lessees elects/elect to determine this lease before the expiry of the term of the lease, shall pay in addition to other dues a sum equal to the dead rent payable for the remaining part of the term of the lease deed.
15. If the lessee/lessees shall be desirous of taking a further lease of the said lands he/they shall give three months' previous notice in writing of such desire to the State Government/Competent authority and if the lessee/lessees has/have duly observed all the conditions of this lease, the State Government/competent authority may agree to renew the lease for such further term and on such terms and conditions as the State Government/Competent authority may determine which shall be in accordance with the provisions of these rules.
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 authorized 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 ₹25000/- (Rupees Twenty Five Thousand only) for the breach as the State Government/Competent authority may fix.
17. If at the expiration of three calendar months after the expiry of the lease or its sooner determination, there shall remain in or the said lands, any engines, machinery, plant buildings, structures and other works erections and conveniences the said minerals or other property which the lessee is/lessees are entitled to remove from the said lands, the same shall, if not removed by the lessee/lessees within one calendar month after notice in writing requiring their removal be given to the lessee/lessees by the State Government/Competent authority be deemed to become the property of the State Government in such manner as they may deem fit without liability to pay any compensation or to account to the lessee/lessees in respect thereof.
18. This lease subject to all rules and regulations which may from time to time be issued by the State Government regulating the working of the quarries and other matters affecting safety, health and convenience of the lessee's/lessees' employees or of the public, whether under the Indian Mines Act or otherwise.
19. The lessee/lessees shall without delay send to the District Collector and the competent authority or the officer authorized 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.


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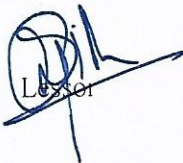

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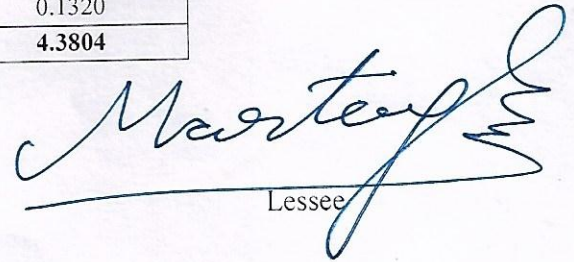
20. The lessee/lessees shall furnish such reports and returns relating to output, labourers employed and other matters as the State Government may prescribe.
21. The lessee/lessees shall make and pay such reasonable compensation as may be assessed by lawful authority in accordance with the law in force 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 to be remitted for the mineral extracted per year at the present rate of royalty of ₹24/- (Rupees Twenty four only) per tonne with proposed average annual production of 71,631 tonne is ₹17,19,144/- (**Rupees Seventeen lakhs nineteen thousand one hundred and forty four only**) and may enhance the quantity of production and period of lease with the prior permission of the lessor and registration of the lease deed amended accordingly.
24. In this case Surface rent to be remitted per year at the present rate of ₹5/- per Are per year is ₹2,190/- (**Rupees two thousand one hundred and ninety only**) and the refundable Security Deposit is ₹43,804/- (**Rupees forty three thousand eight hundred and four only**).

Schedule of description of land

District : Pathanamthitta
Taluk : Konni

Village	Survey Nos.	Lease Area in Hectares
Konni-Thazham	571/1A/34/3/1	1.8217
	571/1A/34/3/1/1	0.1457
	571/1A/34/3/4	0.1728
	571/1A/34/3/4/1	0.2728
	571/1A/34/3/6	0.7689
	571/1A/34/3/6/1	0.1416
	571/1A/34/3/6/2	0.2023
	571/1A/34/3/7	0.7226
	571/1A/34/3/7/1	0.1320
Total area in Hectares		4.3804


Lessor


Lessee

Bounded by Sy.Nos.

On the North by : Sy.Nos.571/1A/35/46, 575/1A/35/64, 571/1A/35/46/1
On the East by : Sy.Nos.571/1A/34/3/1, 571/1A/34/5/1/6,
571/1A/34/5/1/5, 571/1A/34/5/1/8, 571/1A/34/5/1/4
On the South by : 571/1A/34/3-4, 571/1A/34/3/4/2, 571/1A/34/7/2
On the West by : 571/1A/7/34/7, 571/1A/34/3-1

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

Signed by

for and on behalf of the Governor of Kerala

In the presence of

1. Byjuwan R.N, Asst. Geologist
Mining and Geology, Puthanathitta
2. Ajith R
Mineral Revenue Inspector
O/o Mining and Geology, Puthanathitta

Signed by
for and on behalf of the lessee/lessees
in the presence of

1. Byju Varghese
Vakkayil (F1)
Omallaodas P.O
Puthanathitta
2. Renith. Krishnan.
Manappattu. Kizhakketti (H)
Kumpalathamon P.O
Vazhenilatta

Lessor

Master

Master
Lessee

Annexure 2

Environmental Clearance

**PROCEEDINGS OF THE DISTRICT ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY, PATHANAMTHITTA**

(Present: R. Girija, IAS District Collector & Chairperson DEIAA; M.A.Rahim Revenue Divisional Officer, Adoor & Member Secretary, DEIAA; G.M.Kochukanjiram, IFS, Divisional Forest Officer, Ranny & Member DEIAA; S. G.Mahesh Kumar IFS, Divisional Forest Officer, Konni & Member DEIAA, Dr.M.S Sunil, Expert Member DEIAA)

**Environmental Clearance No. 19/2017,
Granite Building Stone Quarry**

No. 8065/2017/C1.
DIA/KL/MIN/10299/2017

Pathanamthitta,
Dated-16.12.2017

Sub: DEIAA, Pathanamthitta-Meeting held on 22.11.2017 Environmental Clearance for Granite Building Stone Quarry Project in survey No. 571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/7/1, 571/1A/34/3/4/1, 571/1A/34/3/6 of Konnithazham Village, Konni Taluk, Pathanamthitta District-Environmental Clearance granted - Orders issued reg

Ref: - 1) Application filed by Sri.Martin Varghese, Director, M/s. Aducadu Granites Pvt.Ltd, Azhikkakathu White House, Mathoor Junction, Eroor south, Thrissur, Ernakulam District
2) Letter No.1492/DOPTA/M/2016 dated 17.11.2017 of Mining and Geology Department, District Office, Pathanamthitta.
3) Minutes of the meeting of DEAC held on 2.11.2017.
4) Minutes of the meeting of DEIAA held on 22.11.2017 at the Chamber of District Collector, Pathanamthitta.

Sri.Martin Varghese, Director, M/s. Aducadu Granites Pvt.Ltd, Azhikkakathu White House, Mathoor Junction, Eroor south, Thrissur, Ernakulam District filed an application for getting Environmental Clearance for the mining of Granite Building Stone from the land comprised in survey Nos. 571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/7/1, 571/1A/34/3/4/1, 571/1A/34/3/6 of Konnithazham Village, Konni Taluk, Pathanamthitta District. The said land is included in:

- (1) Survey No. 571/1A/34/3/1, 571/1A/34/3/6(Thandaper No.13290), Survey No. 571/1A/34/3/1/1(Thandaper No.13199), Survey No. 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/4/1, 571/1A/34/3/7/1, 571/1A/34/3/6/1 (Thandaper No.13121) in the name of Martin Varghese, S/o A.K Varkey, Azhikkakathu, Nadama Village, Kanayannor Taluk and Jaison Lukose ,S/o C.T Lukose, Chirayil Thomson Villa, Athirampuzha Village for M/s. Aducadu Granites Company Pvt.Ltd., Konnithazham Village.
- (2) Survey No. 571/1A/34/3/6(Thandaper No.155) in the name of Sri. Babykutty, S/o Chacko, Kakkamthottil Veedu, Konnithazham muri, Konnithazham Village.
- (3) Survey No. 571/1A/34/3/7 and 571/1A/34/3/4(Thandaper No.4785) in the name of Sri. Chacko Thomas,Kakkamthottil Veedu, Konnithazham muri, Konnithazham Village.
- (4) Survey No. 571/1A/34/3/6/2 (Thandaper No.4784) in the name of Sri. Chacko Mathew,Kakkamthottil Veedu, Konnithazham muri, Konnithazham Village.

The above said land is under the active possession, enjoyment and tax payment of the Thandaper holders. An agreement was executed by land owner in favour of the proponent agreeing to quarry granite rock from the land for a period of 5 years. Total mining area of the land is 04.3804 Ha and the capacity of the mining lease (TPA) is 58621 TPA.

Details of the application as shown below:-

District, Taluk, Village & Sy. No.	Pathanamthitta, Konni Taluk, Konnithazham Village. Sy No. 571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/ 34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/ 7/1, 571/1A/34/3/4/1, 571/1A/34/3/6
Toposheet No.	58C/15
Geographical Coordinates	Latitude: 09° 15' 05.7" N to 09° 15' 05.3" N Longitude: 76° 52' 08.0" E to 76° 52' 09.3" E
Extent of area (in hectares)	04.3804 Ha.
Existing/New Mining area	Existing.
Capacity of Production	58621 MT/annum
Explosive Licence No. & Date of Expiry	E/SC/KL/22/135(E11282) dated 11.07.2016, 31.03.2018.
Details of Project Cost	1 Crore
Manual power used	16 Persons.
The highest and lowest Elevation of the Mine area	Highest-150 m MSL Lowest -125 m MSL
Land Status	Registered Land.
Nearest habitation	124 m
Nearest Highway	Pathanamthitta-Punalur-6 Km
Nearest Railway Station	Chengannur-33 Km
Nearest Airport	CIAL-190 Km
Nearest Forest	Konni Reserve Forest-3 Km
Nearest Education Centre	At Payyamon-4 Km
Nearest Health Centre	At Payyamon-4 Km
Nearest Police Station	Konni - 6 Km
Nearest Fire Station	Konni - 6 Km
Nearest Post Office	At Payyamon-4 Km
Power lines (HT/LT)	HT-130 m
Interstate Boundary	None within the study area.
Ecological Sensitive zone	None within the study area.
Wild Life Sanctuary	None within the study area.
Historical Monuments	None within the study area.
Nearest river	Achenkovil - 5 Km
HLWG Report Status	Not falling in ESA
Method of Mining	Open cast Semi mechanized
Water requirement & Source	The daily water Demand is 1.5 KLD. Domestic water demand met in well.

The proposal was placed before DEAC in its 9th meeting held on 2.11.2017. The DEAC committee conducted site inspection in the presence of proponent. The committee appraised the proposal based on the Mining plan, Pre-feasibility report and Field inspection. The DEAC reported the proposal for Granite Building Stone quarry project as a fresh proposal. A quarry exists in the proposed area. The adjoining area is under Rubber plantation. No forest land is seen in the vicinity of the project and is having 100m clearance from forest land. The proposed area satisfied stipulated 50m clearance from residential houses, public structures etc. The amount earmarked for Corporate Social Responsibility (CSR) activities should be optimally utilized for the welfare of the people living in the area surrounding the project. Water recharge structures should be constructed by the project proponent for the recharge of wells in areas surrounding the quarry in summer season. Moreover the maintenance of approach road and nearby roads should be done by the proponent himself.

The topsoil generated during the course of quarrying should be stored in the predetermined area and should be used for plantation purpose. The outer boundary of the quarry should be properly fenced and boundary pillars with geographical coordinates legibly written on it should be maintained during the entire period of mineral concession.

After convincing the objective of the proposal, the DEAC committee unanimously decided to recommend the project proposal to DEIAA for the issuance of Environmental Clearance for quarrying 58621 MT Granite Building Stone per year for a period 5 years subject to the general conditions instructed by SEIAA along with the specific conditions prescribed below.

Specific Conditions

1. Each project proponent should give in writing in stamp paper worth Rs. 200/- the amount earmarked yearly for the Corporate Social Responsibility (CSR) activities and the amount should be spent for the welfare of the people living near the project area.
2. At least 10% of the fund earmarked by the project proponent for the CSR activities should be spent through LSG Department.
3. The Project proponent should carryout mining as per the approved Mining Plan.
4. The Project proponent should also scrupulously follow the General Conditions stipulated by SEIAA for mining projects.

5. Compliance of the conditions herein will be monitored by DEIAA/DEAC on annual basis and the EC will be subject to review in case of violation or non compliance of conditions or genuine complaints from residents within the security area of the quarry.
6. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the DEAC/DEIAA members for entry and inspection.
7. The entire area proposed for quarry should be properly fenced.

General Conditions by SEIAA

1. Rain water harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the Proponent should be formed and made functional.
3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any including approach road and internal roads.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
7. At least 10 % out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.
9. The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards,

stores, marking etc) shall be protected at all times and shall be conspicuous.

10. Warning alarms indicating the time of blasting (to be done at specified timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.
17. Height of benches should not exceed 5m and width should not be less than 5m, if there is no mention in the mining plan/specific condition.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maintenance of Maximum depth of mining from general ground level at site shall not exceed 10 m or as per mining plan.
20. No mining operations should be carried out at places having a slope greater than 45° .
21. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provision of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet etc.

23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
24. The transportation of minerals should be done in covered trucks to contain dust emissions.
25. The proponent should plant trees at least 5 times of the lose that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/Règulations.
27. Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.
28. A minimum buffer distance of 50 m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
29. 100m distance shall be insisted upon for grant of Environment Clearance for mining of minor minerals up to 2 hectares from natural forests with natural species of trees, including wildlife sanctuaries. However, for leases less than 2 hectares, the 100m distance may be reduced to a maximum of 50 m in respect of adjacent lands clarified as forest, if such areas are barren or rocky outcrops devoid of any natural vegetation (cf Minutes of video conference with chairpersons of the DEIAA held on 28.4.2017).
30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before mining activity.
31. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
32. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environment parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
33. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the EC under the provisions of the Environment (Protection) Act, 1986 to

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

35. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspapers) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the DEIAA. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
36. A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayath/District Panchayath/Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
37. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the DEIAA & DEAC office.
38. The details of Environmental Clearance should be prominently displayed in a metallic board of 3ft × 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.
39. The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance Proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.
40. No change in mining technology and scope of working should be made without prior approval of the DEIAA. No further expansion of modifications in the shall be carried out without prior approval of DEIAA, as applicable.
41. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations.

Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.

42. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points and transfer point to reduce fugitive emissions.
43. The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
44. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly 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.
45. Effective Safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM₂₅ such as haul Road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters confirm to the norms prescribed by the Central Pollution Control Board in this regard.
46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul road, loading and unloading and at transfer points should be provided and properly maintained.
47. Measures should be taken for control of noise levels below 85dBA in the work environment.

48. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.
49. The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the DEIAA office for scrutiny.
50. DEAC/DEIAA shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
51. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act 1986.
52. The DEIAA 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 DEIAA reserve the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
53. The above conditions shall prevail notwithstanding anything to the contrary, in consistent or simplified, contained in any other permit, license on consent given by any other authority for the same project.
54. The Environmental Clearance will be subject to the final order of the Courts in any pending litigation related to be land or project, in any Court of law.
55. The mining operation shall be restricted to above ground water table and its should not interest ground water table.
56. 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.
57. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface and ground water for the project.

58.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 6 monthly reports to DEAC/DEIAA.

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

60.No Mining operations should be carried out at Govt. Purampoke land.

The proposal was considered in the 4th meeting of DEIAA held on 22.11.2017. The Committee examined the proposal, verified the correctness of the documents produced and procedures followed by DEAC to convince the objective of the proposal. The applicant also submitted an affidavit regarding the Corporate Social Responsibility (CSR) in stamp paper worth Rs.200/- and opened an SB account with South Indian Bank, Konni Branch with Account No. 0377073000000347 for the operation of the Corporate Social Responsibility activities.

The amount earmarked for CSR activities per year is as mentioned below:-

SI No	Items	Cost per Year
1	Education:	
	1. Distribution of school stationary items to school and poor students.	Rs.25,000/-
	2. Repairing to the Govt. School building located near to the site.	Rs.50,000/-
2	Health:	
	1. Donation for equipment	Rs.25,000/-
	2. Supply of building material for the construction/maintenance of Govt. Dispensary located near by the site.	Rs.75,000/-
3	Community Development:	
	1. Maintenance of panchayath roads located near to the site	Rs.25,000/-
	2. Helping to the poor people for the marriage of their girls.	Rs.75,000/-
Total		5, 00,000/- per year.

The DEIAA committee unanimously decided to sanction the proposal with instructions as shown below:-

1. The proponent shall demarcate the boundary of the quarry from the forest land if any, coming nearby.
2. The DEIAA/DEAC committee has to ensure that the functioning of the quarry is in accordance with the conditions of SEIAA.
3. The DEAC has to conduct half yearly inspection and submit detailed reports to DEIAA for evaluation.
4. The proponent is directed to produce yearly returns and photographs regarding their CSR activities to DEAC. The DEIAA has to verify the returns and ascertain its genuines to prevent the misutilisation of the CSR amount and submit timely reports to DEIAA.
5. The Government purampoke if any, lying adjacent to the quarry should be kept free from encroachments.

In the circumstances stated above, Environment Clearance is granted to granite rock quarry Project No: DIA/KL/MIN/10299/2017 proposed by Sri.Martin Varghese, Director, M/s. Aducadu Granites Pvt.Ltd, Azhikkakathu White House, Mathoor Junction, Eroor south, Thrippunithura, Ernakulam District for quarrying 58621 MT Granite Building Stone per year from an extent of 04.3804 Hectares of dry land comprised in Survey No.

571/1A/34/3/6, 571/1A/34/3/6/2, 571/1A/34/3/4, 571/1A/34/3/7, 571/1A/34/3/1, 571/1A/34/3/7, 571/1A/34/3/1/1, 571/1A/34/3/6/1, 571/1A/34/3/1, 571/1A/34/3/7/1, 571/1A/34/3/4/1, 571/1A/34/3/6 of Konnithazham Village, Konni Taluk, Pathanamthitta District subject to the general conditions laid down by SEIAA and additional conditions instructed by DEIAA and DEAC. **The validity of the Environmental Clearance is for 5 years from the date of issue.**

Cases of violation of above conditions if any, noticed during the quarrying period leads to the cancellation of Environmental Clearance. The proponent shall bind himself to the above conditions.

Compliance of the condition herein will be monitored by DEIAA/DEAC or its agencies and also by the regional office of the Ministry of Environment and Forest, Government of India, Bangalore.

- i) Necessary assistance for entry and inspection should be provided by the Project Proponent or those who are engaged or entrusted by him to the inspection/monitoring staffs.
- ii) Instances of violation if any shall be reported to the District Collector, Pathanamthitta for initiating legal action under the Environment (Protection) Act 1986.
- iii) The address of the correspondence is with the authorized signatory of the Project Proponent Sri.Martin Varghese, Director, M/s. Aducadu Granites Pvt.Ltd,Azhikkakathu White House, Mathoor Junction, Eroor south, Thrippunithura,Ernakulam District



M.A.RAHIM

**MEMBER SECRETARY DEIAA &
REVENUE DIVISIONAL OFFICER, ADOOR.**

To

✓ Sri.Martin Varghese,
Director,
M/s. Aducadu Granites Pvt.Ltd,
Azhikkakathu White House, Mathoor Junction,
Eroor south, Thrippunithura,
Ernakulam District

Copy to:

1. The Additional Chief Secretary to Govt., Environment Department, Govt. of Kerala, Thiruvananthapuram.
2. The Director, Mining & Geology Department, Thiruvananthapuram.
3. The Chairperson DEIAA & District Collector, Pathanamthitta.
4. The Divisional Forest Officer, Konni.
5. The Divisional Forest Officer, Ranny.
6. Dr.M.S Sunil, Expert Member DEIAA
7. The Geologist, Mining and Geology Department, Pathanamthitta.
8. The Tahsildar, Konni
9. The Village Officer, Konnithazham .
10. The Secretary, Konni Grama Panchayath
11. Web Site.
12. Stock File.

Annexure 3

Explosive License



भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry

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

पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives

केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor

CSEZ पी.ओ.कक्कनाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037

फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SC/KL/22/135(E11282)

दिनांक (Date): 04/11/2019

सेवा में | To,

Shri Martin Varghese M/s.Adukadu Granites (Pvt)Ltd.,
Payyanamon P.O. Konni, Town/Village - Konnithazham
District-PATHANAMTHITTA, State-Kerala, Pincode - 689692

विषय : Survey No(s).571/1A/34/3/1 ., ग्राम PAYYANAMON,KONNITHAZHAM, जिला PATHANAMTHITTA, राज्य Kerala में मेसर्स Shri Martin Varghese M/s.Adukadu Granites (Pvt)Ltd. द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/135(E11282) के संशोधन संदर्भ में। (आरेखण / सुविधाएं / परिसर में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No(s).:571/1A/34/3/1 ., PAYYANAMON,KONNITHAZHAM, Dist. PATHANAMTHITTA, Kerala -Licence No.: E/SC/KL/22/135(E11282) granted in Form LE-3 of Explosives Rules, 2008 - (Amendment in Drawings/Facilities/Premises).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 04/11/2019 का संदर्भ ग्रहण करें।
Please refer to your letter no. Nil dated 04/11/2019.

अनुज्ञप्ति संख्या E/SC/KL/22/135(E11282) INTIMATION REGARDING QUARRYING OPERATIONS AS PER THE LETTER OF INTENT FROM THE DIRECTOR, DIRECTORATE OF MINING & GEOLOGY, THIRUVANANTHAPURAM VIDE LOI NO.7127/M3/2019 DATED 28.10.2019 AT SY. NO.571/1A/34-3-1, 571/1A-34/3/1/1 571/1A/34/3/4,571/1A/34/3/4/1,571/1A/34/3/6, 571/1A/34/3/6/1, 571/1A/34/3/6/2, 571/1A/34/3/7, 571/1A/34/3/7/1 KONNI-THAZHAM VILLAGE, KONNI TALUK, PATHANAMTHITTA DISTRICT., KERALA IS ACKNOWLEDGED HERE WITH THE FOLLOWING CONDITIONS 1. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.2. LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE.3. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.4. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.5. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 6. 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. 7. EXPLOSIVES AND DETONATORS SHALL NOT BE TRANSPORTED IN SAME VAN AND TO BE TRANSPORTED SEPARATELY FROM MAGAZINE TO BLASTING SITE.8. VAN SHALL NOT BE USED FOR STORAGE OF EXPLOSIVES AT SITE. 9. EXPLOSIVE VAN IS PERMITTED FOR OWN USE ONLY.10 .NECESSARY APPROVALS/LICENCES FROM OTHER DEPARTMENTS SHALL BE TAKEN AS PER THE RULES. के संदर्भ में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SC/KL/22/135(E11282) is forwarded herewith duly amended in respect of followings ;

INTIMATION REGARDING QUARRYING OPERATIONS AS PER THE LETTER OF INTENT FROM THE DIRECTOR, DIRECTORATE OF MINING & GEOLOGY, THIRUVANANTHAPURAM VIDE LOI NO.7127/M3/2019 DATED 28.10.2019 AT SY. NO.571/1A/34-3-1, 571/1A-34/3/1/1 571/1A/34/3/4,571/1A/34/3/4/1,571/1A/34/3/6, 571/1A/34/3/6/1, 571/1A/34/3/6/2, 571/1A/34/3/7, 571/1A/34/3/7/1 KONNI-THAZHAM VILLAGE, KONNI TALUK, PATHANAMTHITTA DISTRICT., KERALA IS ACKNOWLEDGED HERE WITH THE FOLLOWING CONDITIONS 1. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.2. LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE.3. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.4. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.5. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 6. 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. 7. EXPLOSIVES AND DETONATORS SHALL NOT BE TRANSPORTED IN SAME VAN AND TO BE TRANSPORTED SEPARATELY FROM MAGAZINE TO BLASTING SITE.8. VAN SHALL NOT BE USED FOR STORAGE OF EXPLOSIVES AT SITE. 9. EXPLOSIVE VAN IS PERMITTED FOR OWN USE ONLY.10 .NECESSARY

APPROVALS/LICENCES FROM OTHER DEPARTMENTS SHALL BE TAKEN AS PER THE RULES..

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

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate mixture - Emulsion Explosives	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	1500	Mtrs
3	Electric and/or Ordinary Detonators	6	3	0	1000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) : 20 गुना
Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 20 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2023 तक प्रवृत्त रहेगी।
This Licence shall remain valid till 31st day of March 2023.

आपके खाते में रुपए 3100/- की राशि शेष हैं जो इस संदर्भ को उद्धृत करते हुए भविष्य के संव्यवहार में समायोजित की जा सकती है।
An amount of Rs. 3100/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया पावती दें।
For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R. Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

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

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. District Magistrate, PATHANAMTHITTA, Kerala with reference to his Noc No: B4-22961/3/2016 Dated: 30/09/2016
2. Superintendent of Police, PATHANAMTHITTA, Kerala.

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

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

अनुज्ञप्ति प्रत्य रत्न. 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)

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

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

अनुज्ञप्ति सं. (Licence No.) : E/SC/KL/22/135(E11282)

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



1. Licence is hereby granted to

Shri Martin Varghese M/s.Adukadu Granites (Pvt)Ltd. (अधिभोगी / Occupier : Shri Martin Varghese), Payyanamon P.O. Konni, Town/Village - Konnithazham, District-PATHANAMTHITTA, State-Kerala, Pincode - 689692

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : Company

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है। possess for use of Nitrate mixture - Emulsion Explosives, Safety Fuse, Electric and/or Ordinary Detonators, - के उपयोग के लिए

Licence is valid only for the following purpose.

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

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

क्र. Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate mixture - Emulsion Explosives	2,0	0	100 Kg.
2.	Safety Fuse	6,1	0	1500 Mtrs
3.	Electric and/or Ordinary Detonators	6,3	0	1000 Nos.

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

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

20 times as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है।

The licensed premises shall conform to the following drawing (s): .

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/135 : (E11282)
दिनांक (Dated) 04/11/2019

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

Survey No(s). 571/1A/34/3/1 ., ग्राम (Town/Village) : PAYYANAMON, KONNITHAZHAM, पुलिस थाना (Police Station) : KONNI
जिला (District) PATHANAMTHITTA राज्य (State) Kerala पिनकोड (Pincode)
दूरभाष (Phone) ई.मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

Constructed magazine for Explosives and Detonators (Type C) of Specification-2 Shedule VII of Explosives Rules, 2008.

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

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

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

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 2001 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2001.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिकमण करने या यदि अनुज्ञप्त परिसर योजना या उस उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंद्ध की जा सकती है, जहां वह लागू।
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 licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 13/03/2000

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


Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 11/07/2016
- Amendment in Drawings/Facilities/Premises dated : 03/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/04/2018
- Amendment in Drawings/Facilities/Premises dated : 04/11/2019

Transfers :

- Change in Licensee Name/Address/Status dated : 05/06/2017

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal


उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
20/03/2018	31/03/2023	Sd/- Dy. Chief Controller of Explosives, 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.

में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्रत्येक 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/22/135(E11282) की शर्तें निम्नलिखित हैं।
Following are the conditions of licence number E/SC/KL/22/135(E11282) 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.

1. धरित्र पर किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य क्षमता से अधिक नहीं होगी।
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
2. 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.
3. मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट हैं, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध 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.
4. 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.
5. 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.
6. 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.
7. वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष 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.
8. मैगजीन के भीतरी भाग या उसमें लगी बेंचों, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचें, शेल्फें 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 अनुज्ञप्तिधारी ऐसे परीक्षण के लिए विहित फीस का संचालन करेगा यदि

परीक्षण असमाधानकारी साबित होता है तो उत्तनी ही फीस अनुज्ञप्तिधारी द्वारा पश्चात्कर्ती प्रत्येक परीक्षण के लिए तब 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 प्रभा-
परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फी-
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. अनुज्ञप्तिधारी 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 अनुज्ञप्तिधारी 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 अनुज्ञप्तिधारी 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 अनुज्ञप्तिधारी 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 पैकजों की हालत की जांच 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 ओह्म 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 झांडी 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 पैकजों को शीघ्रतिशीघ्र 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 कर्मचारीयों 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 युक्तियुक्त 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 सम्यकतः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी ।

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.

अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञासिधारक 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 हैं, अनुज्ञासिधारक 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. अनुज्ञासिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञात फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पत्ती 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 उत्पन्न 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 लॉग₁₀(एन) डी.बी. (सी) पी.के.प्रतिबंधित होंगे ;

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

a) 125 dB(AI) 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. अनुज्ञासिधारी विदेशी मूल के आतिशबाजी को न प्रदर्शित करेगा, न रखेगा और न ही उसकी बिक्री करेगा। The licensee shall not exhibit, possess and sell fireworks of foreign origin.


कुल संयुक्त मुख्य विस्फोटक नियंत्रक
For Joint Chief Controller of Explosives
दक्षिणमंचल, चेन्नई | South Circle, Chennai
उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

Form LE-3
(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the licence)

y distances required to be kept clear around magazine for high explosives or fire works or factory licensee number C/KL/22/135(E11282) in form LE-3 granted to Shri Martin Varghese M/s.Adukadu Granites (Pvt)Ltd., Payyanamon .O. Konni, Kerala-.

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)		M	UM
1	Room or Workshop used in Connection with the Magazine	11	17
2	Any other Explosives Magazine or store House or Factory of the Applicant		
3	Magazine Office		
Middle Safety Distances(MSD)			
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		33
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	Windmillor or Solar panel for Power Generation		
Outside Safety Distances(OSD)			
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, Sprit, gas, or other inflammable or hazardous substances		45
19	Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives		
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		
Overhead Electric lines			
27	Electric Power over head Transmission Lines above 440V		45
28	Electric Power over head Transmission Lines upto 440V		15

The Date : 13/03/2000

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 11/07/2016
- Amendment in Drawings/Facilities/Premises dated : 03/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/04/2018
- Amendment in Drawings/Facilities/Premises dated : 04/11/2019

Transfers :

- Change in Licensee Name/Address/Status dated : 05/06/2017

Annexure 4

KSPCB consent



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/PTA/ICO/QR/212/2016

Date of issue :20/05/2020

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : QCO/PTA/200/R1/2020

Ref : 1)ICO CONSENT EXPANSION- QCO/PTA/200/EXP/2017,ISSUED ON-27.12.2017,VALID UPTO-30.06.2020.

2)ONLINE APPLICATION No.13183631.

The ' Integrated Consent to Operate' issued as per reference above to M/s ADUCADU GRANITES PRIVATE LIMITED,ADUCADU, PAYYANAMON P.O, KONNI, PATHANAMTHITTA PIN- 689692 is hereby renewed up to 15/12/2022 and issued to M/s ADUCADU GRANITES PRIVATE LIMITED,ADUCADU, PAYYANAMON P.O, KONNI, PATHANAMTHITTA PIN- 689692 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	Survey numbers	571/1A/34/3/6,571/1A/34/3/6/2,571/1A/34/3/4,571/1A/34/3/7,571/1A/34/3/1,571/1A/34/3/7,571/1A/34/3/1/1,571/1A/34/3/6/1,571/1A/34/3/1,571/1A/34/3/7/1,
2	"	571/1A/34/3/4/1,571/1A/34/3/6 (AREA OF MINING- 04.3804 Ha)
3	Capital Investment	Rs. 438.04 Lakhs
4	Annual fee/Fee remitted	Rs.41900/- Rs.194575/- (Including arrear fees)
5	Machinery Details	JACK HAMMER- 1 NO- 46 HP,ESCAVATOR WITH BREAKER- (3 NOS)- 110 HP EACH ,BOX COMPRESSOR- 80 HP
6	Products	Granite building stone not to exceed 58621 tonnes per year.

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

1. This consent is granted based on the application,affidavit and other particulars submitted by the occupier,certificate from the Village officer and subject to the power of the Board to review and make variation in the conditions or revoke the consent as the Board deems fit.
- 2.The Validity of this consent is subject to subsequent Government Order & direction/judgement of Honorable Supreme Court of India, High Court, and National Green Tribunal.
3. No change, deviation or alteration that may affect the environment, extent and location of quarry shall made.
4. Any change in particulars furnished in the application/the identity of the occupier/ authorized agent is to be intimated to the Board forthwith.
5. There shall be a minimum distance of 50m/100m as applicable from boundary of quarry operating area to residential building, place of worship, public buildings, public road having vehicular traffic, river or lake, railway line, bridges etc.
6. Quarrying shall be done only within the area marked in the location plan.
7. Quarrying area shall be earmarked before commencement of quarrying activities.
8. The applicant shall put up sign boards near the main entrance of the plant to display consent number & validity.
9. After completion of excavation at any site, the abandoned quarry shall be utilized for rain water harvesting with protective barriers/ any other suitable approved purpose or may be reclaimed as per specification.
10. Proper fencing/barriers shall be provided and maintained all around the abandoned deep quarry pits to avoid accidents.
11. Mining below normal water table by continuous pumping shall be avoided in summer period (March, April & May) to prevent drinking water shortage in that area.
12. Noise creating activities such as drilling, blasting, breaking etc shall not be done during night time (6pm – 6am).
13. Blasting shall be done at specified time with prior signals to avoid accidents.
14. The PM10 in ambient air at the boundary shall not exceed 100 micro gram/cubic meter.
15. The Sound level (Leq) at 1m outside the boundary of the site and near residential locations should not exceed the ambient noise standard applicable to the adjoining areas.
16. “The consent issued from the Board will be valid only for the period when all other statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act, 1974, Air Act 1981 and Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned authorities”. The consent unless withdrawn earlier and subject to condition no. 5.1 & 5.2 shall be valid up to 15/12/2022. For renewal of consent, application may be submitted online 3 months in advance of expiry of validity date, along with the re-validated Environmental Clearance Certificate.
- 17.No other machinery other than that in 1.14 shall be operated without prior Consent of the Board.
18. Quarrying operations shall be started only after obtaining Mining permit/lease from Mining & Geology

Department and D & O License under the Kerala Panchayat Raj Act from the concerned Local Self government.

19. Condition no.2.4,3.1,3.2,4.3.1 and 4.3.2 of this consent stands deleted.

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

DATE :20/05/2020

ALEXANDER GEORGE

Digitally signed by ALEXANDER
GEORGE

Date: 2020.05.20 11:32:28 +05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER,DISTRICT
OFFICE,PATHANAMTHITTA



To

MARTIN VARGHESE
AZHIKKAKATH
WHITE HOUSE
MATHOOR JUNCTION
EROOR P.O
TRIPUNITHURA
ERNAKULAM
KERALA
PIN- 682306

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

2. For verifying this document please go to krocmmms.nic.in and search using date of issue/name of the unit/Application Number in “Consent Granted Applications” link in the home page of the Board’s Online Consent Management and Monitoring System.

Annexure 5

Panchayath License



കോന്നി ഗ്രാമപഞ്ചായത്തിൽ നിന്നും

1994-ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 254 എന്നീ വകുപ്പുകളും

അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നൽകുന്ന

ഫാക്ടറി/വ്യാപാരം/സംരംഭകത്വം/മറ്റ് സേവനങ്ങളുടെ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ശ്രീ. അർജുൻ ചന്ദ്രൻ അടൂർ റോഡ് എം.വി.എസ്. ചെങ്കണ്ടം പ്രി. കോന്നി	
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	അടൂർ റോഡ് എം.വി.എസ്. ചെങ്കണ്ടം പ്രി., കോന്നി	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറൊഴുക്ക് കരിയുടെ വിൽക്കുന്നതിന് [ക്യാബി യൂണിറ്റ്].	
കെട്ടിടത്തിന്റെ നമ്പരും, വാർഡ് നമ്പരും	Spy.No. 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31, 571/1A/34/31,	
ലൈസൻസ് കാലയളവ്	01/04/2020 മുതൽ 31/03/2021 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	ലൈസൻസ് ഫീസ് 15000 ഓഫീസ് ചാർജ്ജ് 2500 രൂപ ട്രെയിനിംഗ് 4560	രസീത് നമ്പർ 119020111441, 442, 443 13/03/20
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരക്ഷേപ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	① മെറ്റീരിയൽ ഇൻസ്പെക്ഷൻ ഡിവിഷൻ അടൂർ റോഡ്, ചെങ്കണ്ടം ജില്ലാ ഓഫീസ് No. 109/2019 ചെങ്കണ്ടം C-16/11/2022 ② ഡയറക്ടർ ഓഫ് ടെക്നിക്കൽ സർവ്വീസ് ഓഫീസ് No. 535/2019-20/7127/13/2019 DMK, ചെങ്കണ്ടം C-15/12/2022 ③ പബ്ലിക് വർക്ക്സ് ഡിവിഷൻ ഓഫീസ് Ward No. 6/84 KL 22/135 C-11/282 (31/03/2022) ④ മെറ്റീരിയൽ ഇൻസ്പെക്ഷൻ ഡിവിഷൻ ഓഫീസ് C-16/11/2022	

മുഴുവൻ പഴയതും നെയ്യും.

ഓഫീസ് മുദ്ര

സെക്രട്ടറി
കോന്നി ഗ്രാമപഞ്ചായത്ത്

ലൈസൻസി താഴെപറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

1. കേരള പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലാകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
3. ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്ക വിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം ലഭിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർത്തുന്നപക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിന് വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഓരോ പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യേണ്ടതാണ്.
8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരുഭാഗത്തും മേൽപ്പറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
9. ലൈസൻസി മേൽപ്പറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും അഴുക്കുചാലും അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്ത് വയ്പിക്കേണ്ടതാണ്.
10. അധിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള തൃക്ക് രോഗമോ കുഷ്ഠരോഗമോ വ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതുമാകുന്നു.
12. 50 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക്കുകളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്ലറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ബ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുകയോ വിൽക്കുവാനോ പാടില്ല.
16. ബാലവേല അനുവദിക്കാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.
18. മലിനീകരണ നിർമ്മാണങ്ങൾക്കു കലാപി 301061222000 അനുസരിച്ചുന്നതിനുള്ള ചുമട്ടി 2018 ആകേണ്ടതാണ്.
19. ചുരി ഷൂനിങ് പ്രവർത്തനവുമായി ബന്ധപ്പെട്ട് വാഹനപ്രകാരി, സർക്കാർ ഉത്തരവുകളും മാലിന്യ അണുരതി മാർഗ്ഗരേഖകളിലേക്കുതാൽ.

NB: ഈ ലൈസൻസ് അവസാനിക്കുന്ന തീയതിയ്ക്ക് 30 ദിവസങ്ങൾക്കുള്ളിൽ ലൈസൻസ് പുതുക്കുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്.

സെക്രട്ടറി

ശുചിത്വ ഗ്രാമം - സുന്ദര ഗ്രാമം
മാലിന്യങ്ങൾ ഉറവിടങ്ങളിൽ തന്നെ സംസ്കരിക്കുക.

Annexure 6

Environmental Monitoring

Results

TEST REPORT

Test Report No: 20210312/R041	Date: 17.03.2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Aducadu Granites (P) Ltd Konnithazham, Konni, Pathanamthitta District
Customer Reference	Test Request dt 12.03.2021

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20210312/S041
Sample Name	Ambient Air	Sample Received on	13.03.2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	15.03.2021
Sampled by	Lab Authorized Sampler	Test Completed on	17.03.2021

DETAILS OF SAMPLING			
Sampling Location	South West Boundary	Date of Sampling	12.03.2021
Humidity	68%	Sampling Procedure	SEAAL/ENL/GEN/SOP/02

SAMPLING SITE DETAILS			
Survey No.	571//1A/34/3/6, 571//1A/34/3/6/2, 571//1A/34/3/4, 571//1A/34/3/7, 571//1A/34/3/1, 571//1A/34/3/1/1, 571//1A/34/3/6/1, 571//1A/34/3/6/1, 571//1A/34/3/7/1, 571//1A/34/3/4/1		
Village	Konnithazham	Taluk	Konni
District	Pathanamthitta	State	Kerala


TEST RESULTS - CHEMICAL PARAMETERS					
Sl. No	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARDS
1	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	53.2	100 (Max)
2	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	24.1	60.0 (Max)
3	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0 (Max)
4	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	< 2.00	80.0 (Max)

Remarks:

End of Report


Rija Joseph
 Technical Manager
 Checked by:




Laiju P.N.
 Laboratory Head
 Authorized Signatory

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

Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43

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TEST REPORT

Test Report No: 20210312/R043	Date: 17.03.2021	Page 1 of 2
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CUSTOMER DETAILS			
Customer Name & Address	M/s Aducadu Granites (P) Ltd Konnithazham, Konni, Pathanamthitta District		
Customer Reference	Test Request dt 12.03.2021		
SAMPLE DETAILS			
Product Category	Water	Sample Code	20210312/S043
Sample Name	Ground Water – Bore Well	Sample Received on	13.03.2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	30 °C
Sample Quantity& Packing	2 Litre Plastic Bottle	Test Commenced on	15.03.2021
Sampled by	Not drawn by Laboratory	Test Completed on	17.03.2021
Information Provided by Customer	---		

SAMPLING SITE DETAILS			
Survey No.	571//1A/34/3/6, 571//1A/34/3/6/2, 571//1A/34/3/4, 571//1A/34/3/7, 571//1A/34/3/1, 571//1A/34/3/1/1, 571//1A/34/3/6/1, 571//1A/34/3/6/1, 571//1A/34/3/7/1, 571//1A/34/3/4/1		
Village	Konnithazham	Taluk	Konni
District	Pathanamthitta	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	REQUIREMENT AS PER ACCEPTABLE LIMIT OF IS 10500 : 2012
1	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
2	Odour	IS 3025 Part 5: 2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	0.60	1.00 (Max)
4	pH	IS 3025 Part 11:1983 RA 2017	---	6.82	6.50 – 8.50
5	Conductivity	IS 3025 Part 14:1984 RA 2019	µS/cm	216	---



Shency Joy
Dy.TM-Chemical
Checked by




Salini T.S.
Microbiologist
Authorized Signatory



Laiju P.N.
Laboratory Head
Authorized Signatory

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TEST REPORT

Test Report No: 20210312/R043	Date: 17.03.2021	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	REQUIREMENT AS PER ACCEPTABLE LIMIT OF IS 10500 : 2012
6	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	138	500 (Max)
7	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2019	mg/L	68.0	200 (Max)
8	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	16.8	75.0 (Max)
9	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2019	mg/L	6.33	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	24.2	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2019	mg/L	41.8	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	0.28	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2019	mg/L	3.20	200 (Max)

TEST RESULTS - BIOLOGICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	REQUIREMENT AS PER ACCEPTABLE LIMIT OF IS 10500 : 2012
1	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
2	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

Remarks:

End of Report



Shency Joy
Dy.TM-Chemical
Checked by




Salini T.S.
Microbiologist
Authorized Signatory



Laiju P.N.
Laboratory Head
Authorized Signatory

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TEST REPORT

Test Report No: 20210312/R042	Date: 17.03.2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Aducadu Granites (P) Ltd Konnithazham, Konni, Pathanamthitta District
Customer Reference	Test Request dt 12.03.2021

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	20210312/S042
Sample Name	Ambient Noise	Date of Monitoring	12.03.2021
Monitoring Location	South West Boundary	Monitored by	Lab Authorized Sampler
Test Method	IS 9989:1981 RA:2008		

SAMPLING SITE DETAILS			
Survey No.	571//1A/34/3/6, 571//1A/34/3/6/2, 571//1A/34/3/4, 571//1A/34/3/7, 571//1A/34/3/1, 571//1A/34/3/1/1, 571//1A/34/3/6/1, 571//1A/34/3/6/1, 571//1A/34/3/7/1, 571//1A/34/3/4/1		
Village	Konnithazham	Taluk	Konni
District	Pathanamthitta	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.0	14:00	50.1	22:00	36.2
07:00	39.6	15:00	50.4	23:00	37.2
08:00	43.8	16:00	51.6	24:00	36.8
09:00	47.2	17:00	52.0	01:00	37.5
10:00	49.5	18:00	46.6	02:00	37.2
11:00	52.6	19:00	43.1	03:00	37.9
12:00	49.9	20:00	39.3	04:00	36.8
13:00	49.1	21:00	38.8	05:00	38.6


Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	48.5
2	Ambient Sound Level (Leq) Night Time	dB(A)	37.1

Remarks:

End of Report


Rija Joseph
 Technical Manager
 Checked by:




Laiju P.N.
 Laboratory Head
 Authorized Signatory

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Annexure 7

Site Photographs



Mining as per the approved plan



Avenue tree plantation



Sprinkling of water along the project area



Mining Area with fencing



Safety Boards in Project Site



Storage of Overburden



Green Belt to reduce Noise Pollution



Workers with Safety Equipment's



Transportation of Minerals



Display of EC in the project site



Settling tank for the overflowing water

Annexure 8

CER Activities

DATE	Details	Amount
17-10-2020	Supply of mask and gloves (ward 7)	7500
20-10-2020	Supply of vegetables & grossery (ward 7)	38500
26-10-2020	supply of mask & gloves (ward 6)	6300
08-11-2020	Supply of vegetables & grossery kit (ward 6)	34500
22-12-2020	Supply of kit (ward 7)	27800
	TOTAL	114600