

HALF YEARLY COMPLIANCE REPORT FOR GRANITE BUILDING STONE QUARRY

EC No:- DIA/KL/PL/25/2018 Dated 29-11-2018

Granite Building Stone Quarry of Mr. Prakash N.

Situated at Survey No:229 In

Vandazhi-1 Village, Alathur Taluk,

Palakkad District,

Kerala

APRIL 2022 – SEPTEMBER 2022

Prepared By

PRIME Technology Services

Planet Resources Management Experts

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Prakash N
Prakash Nivas.
Mudappalloor Post, Alathur,
Palakkad District, Kerala
Mob: 9447620490

To,
The Director MoEF&CC,
Regional Office (South Zone), KendriyaSadan,
IVthfloor , E&F Wing ,17th main Road,
Second Block,Koramangala Banglore .

Respected Sir,

Sub: Half Yearly Compliance Report of Granite Stone Mine Project- April 2022 –
September 2022

Ref: EC No: - DIA/KL/PL/25/2018 Dated 29-11-2018

With reference to the above we are submitting Half Yearly Compliance report for the EC order,mentioned above. Also enclosed here, copy of all Licenses from Statutory Bodies and Compliance Monitoring Report.

Place: Palakkad
Date: 06/12/2022

For Prakash N
(Authorised Signatory)

Copy To,
Member secretary / Chairman
SEIAA Kerala
KSRTC Complex, Thampanoor
Thiruvananthapuram, Kerala

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1.INTRODUCTION

The Building Stone Quarry Project of Mr.Prakash N situated at 229 of Vandazhi-1 Village, AlathurTaluk, Palakkad District of Kerala.

Building Stone Quarry project of Mr. Prakash N was obtained with the Environmental Clearance EC No:- DIA/KL/PL/25/2018 by District Environmental Impact Assessment Authority on 29-11-2018. As part of general condition No.37 of Environmental Clearance order and EIA Notification the half yearly compliance report needs to be submitted by the project proponent.

This report contains the compliance of conditions of Environmental Clearance for the period of April 2022- September 2022

COMPLIANCE TO THE CONDITIONS STIPULATED IN THE ENVIRONMENTAL CLEARANCE ISSUED BY DISTRICT LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA.

2. SPECIFIC CONDITIONS

Table 2. Specific Conditions

Sl No	Specific Conditions	Compliance
1	The natural flow of river seen in the northern side of the applied area should not be disturbed. Outflow of sediment water from the quarry should not be allowed to the river and for this a sedimentation tank of proper size should be put into operation.	Natural flow of the river in the northern side of the applied area is not disturbed and the outflow of sediment water from the quarry is directed to a sedimentation tank not to the river.
2	Quarrying should be practiced by benching system as mentioned in the approved mining plan.	Quarrying was done by benching system as per the approved mining plan.
3	A qualified person shall be appointed to control, direct, manage and supervise the quarrying operations.	A qualified person was appointed as mines manager to control, direct, manage and supervise the quarrying operations
4	The approach road to the quarry must be in good motorable condition.	Approach road to the quarry with 7m width was maintained in good motorable condition.
5	Controlled blasting should be practiced and blasting shall be done only during day time.	Controlled Blasting was practiced and done only during day time
6	Plantation shall be done which includes a green belt of adequate width around the Mining Lease area excluding the rocky area, along roads, overburden dumps and non mineralized area by planting suitable native species in consultation with the local DFO Agricultural Department.	Plantation was done in the green belt area excluding the rocky area by planting suitable native species in consultation with the local DFO Agricultural Department
7	A rain water harvesting structure shall be provided in the northern side outside the applied area.	A rain water harvesting structure have been provided in the northern side outside the applied area
8	The drain should be regularly de silted and maintained properly. Check dam and gully checks shall be constructed wherever required to arrest siltation.	Drain has been regularly de silted and maintained.
9	Fencing must be maintained properly all around the lease area.	Fencing had provided around the lease area
10	Appropriate sign boards should be displayed.	Appropriate sign board were provided in the quarry site

11	The blasting time must be displayed and strictly adhered to.	Blasting time is already displayed in a sign board
12	Dust suppression mechanism must be place.	Water sprinklers were used for the dust suppression
13	Health and welfare measures for the persons employed shall be implemented.	Health and welfare measures for the persons employed has already implemented
14	The overburden shall be properly stacked and suitably protected from soil erosion by planting fodder grass and leguminous plants during temporary storage.	Overburden had been stacked in a suitable designated place.

3.GENERAL CONDITIONS

Table 3. General Conditions

Sl. No	General Conditions	Compliance Status
1	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR /KPBR,unless otherwise specified.	Provided rain water harvesting pond in the project area to collect rain water and utilize in the project area itself
2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, we constituted an Environment Monitoring Cell. The environmental management cell regularly reports to the head of the organization.
3	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.	Already site have a green belt, planted 450no's of trees at the boundary (Safe Buffer zone) This shall be maintained well. Trees like Mango, Anjili, Perumaram, Teak, Vaka, Bamboo, Passion Fruits were planted
4	Maximum possible Solar Energy generation and utilization shall be ensured as an essential part of the project	As part of energy conservation, the project proponent has installed solar street light in the project site to generate and utilize maximum renewable energy.
5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprinklers are available at the site and are using at the time of generating dust from the site and make wet the internal roads daily. About 8no's of sprinklers were provided in the quarry site and water tanker vehicles along with sprinklers for the purpose of dust suppressions at internal roads

6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	It is assured that Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
7	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumpings and overburden and planted with indigenous plant species that are eco-friendly.	At the time of closure of the mine, it shall ensure that directions contained are scrupulously followed
8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented	As part of inclusive growth of the community, we have carrying out various activities under CSR and has been following the plan as committed. Documentary evidences of few case of the CSR activities attached
9	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.	The direction contained shall be scrupulously followed. To demarcate the lease area and to prevent falling of animals/ human being / dumping of garbage etc , we have installed barbed metal wire fencing around the lease area.
10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.	As per the stipulation of Explosive department, we have installed siren as warning alarm in the quarry site. Siren rang before the blasting time in order to give warning to the workers and public. The blasting timings are displayed in the prominent area by way of caution board.
11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	<p>Limited the operation of quarry in specific time only as directed by the KSPCB and has been following the directions and complying them.</p> <p>The following control measures are undertaken to bring down the noise levels:-</p> <ul style="list-style-type: none"> • Proper maintenance of machinery equipment's and improvement of design of machines. • Personal Protective Devices i.e, earmuffs, helmet, and boots etc. are provided to workers. • The mining activity is only during day time <p>Noise level at the quarry site should be checked periodically, monitored through a NABL accredited laboratory during the quarry</p>

		in operation and the monitored results are attached
12	Quarrying activities should be limited to day times as per KSPCB guidelines.	Limited the operation of quarry in specific time only as directed by the KSPCB and has been following the directions and complying them
13	Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.	Blasting done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency. Obtained Explosive license and following the guideline stipulated.
14	A licensed person should supervise/control the blasting operations	We have appointed Mines Manager in the site to supervise/control exploitation of minor minerals including blasting at the project site.
15	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	To reduce dust emissions and for the trouble free transportation of materials, the project proponent has properly surfaced the access road to the quarry site. The project proponent is regularly maintaining the access road in good manner.
16	Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.	Overburden stacked in pre-determined site specified for the purpose
17	Height of benches should not exceed 5m and width should not be less than 5m.	The quarrying activity in the project site is progressing by creating benches of 5m width and 5m height. The formation of benches is under the direction and supervision of competent person.
18	Mats to reduce fly rock blast to a maximum of 10PPV should be provided.	We are using blasting mat to reduce fly rocks during blasting.
19	Maximum depth of mining from general ground level at site shall not exceed 10m.	The maximum depth of mining is above general ground level.
20	No mining operations should be carried out at places having a slope greater than 45°	It is ensured that no mining is carried out at places having a slope greater than 45°, if any.
21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Scrupulously follows the directions contained.

22	The workers on the site should be provided with therequired protective equipment such as ear muffs, helmet, etc.	We have provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, glows, etc. to ensure the safety of workers in working site
23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize Storm Water.	Garland drains are provided to channelize storm water.
24	The transportation of minerals should be done in covered trucks to contain dust emissions.	To avoid dust emission from the vehiclewhile transportation of materials the project proponent assure that the trucks are covered before leaving the site.
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 proponent has already planted 5 times of loss that has been occurred while clearing the land for the project.
26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Shall be disposed through the authorized recyclers
27	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.	Magazine keep at an isolated area located at more than 50 m from the mining area
28	A minimum buffer distance of 50m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided	Maintain the said distance from the mining boundary to the nearest structure.
29	100m distance shall be insisted upon for grant of EC for mining of minor minerals upto 20hectares 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 50m 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 28.04.2017)	Forest area is not there with in 800m radius
30	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.	Obtained consent from KSPCB Attached as Annexure 04
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.	<ul style="list-style-type: none"> • Quarrying lease • Consent from Kerala Pollution ControlBoard • Environment Clearance from DEIAA • NOC from Explosive Dept.

		<ul style="list-style-type: none"> • D&O License from the LSGD
32	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	The company shall abide by the directions of SEIAA/DEIAA Kerala. At present the project is running as per plan submitted in Environmental Impact Assessment Authority, Govt. of India and approved mining plan. There is no change in the scope of the project. The project will seek for a new Environmental clearance in the case of any changes in the scope of the project.
33	The Authority reserves the right to add additional safeguard measures Subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	The company shall abide by the directions of DEIAA/SEIAA Kerala
34	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the DEIAA office and may be seen on the website of the Authority at www.environmentalclearance.nic.in . 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.	The project was advertised in widely circulated local newspaper in that region.
35	A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/ Corporation/ Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental clearance shall also be put on the website of the company by the proponent.	Copy of EC has been forwarded to the secretary of Vandazhi-1 Grama Panchayat and also EC displayed in the notice board of the mining site

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. It shall sent to the Regional office of MoEF. Govt. of India and also to the DEIAA Office	The compliance report is being submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore both in hard copy as well as mail.
38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3ft X3ft 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.	A display board shows all the details about the project and EC provided at the entrance of the quarry site
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.	An assurance in the form of affidavit was submitted to DEIAA Kerala by the project proponent.
40	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.	The conditions of SEIAA/DEIAA are strictly followed
41	The project proponent shall ensure that no natural water course 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 take.	Scrupulously follows the directions contained.
42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended places loading and unloading points & transfer point to reduce fugitive emissions.	We have monitored the ambient air quality as per National Ambient Air Quality Standard (NAAQS). Monitored Lab Results are attached.
	The Top soil, if any, shall temporarily to be stored at earmarked sites, only. For the topsoil shall be used for land reclamation and plantation. The over burden generated during the mining operations shall be stacked at earmarked dump	The temporarily stored topsoil used only for land reclamation and plantation. It is ensured that the dump site where over burdens are stored should maintained at 45° of slope. To prevent the soil erosion, the top soil and

43	<p>site 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 geotextiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.</p>	<p>overburden are stacked in designated place within the project site. Only topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction.</p>
44	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilizing for watering the mine area. Roads, green belt development etc. the drains shall be regularly desalted particularly after monsoon and maintained properly.</p>	<p>Scrupulously follows the directions contained.</p>
45	<p>Effective safeguard measures such as regular watersprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, Loading and unloading points and transfer points-it shall be ensured that the ambient air quality parameters conform to the norms prescribed by the central pollution control board in this regard.</p>	<p>Effective safeguard measures are adopted in critical areas that are prone to air pollution. The project proponent has placed water sprinklers in critical area to reduce the dust emission. Ambient Air Quality according to the norms of CPCB is followed in loading – unloading points and transfer points.</p>
46	<p>Fugitive dust emissions from all the sources should controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained</p>	<p>There is a regular control on dust emission sources. Water spraying arrangements are properly maintained</p>
47	<p>Measures should be taken for control of noise levels below 85 dBA in work environment.</p>	<p>We have taken appropriate steps to reduce the sound by employing possible measures. Measurements of noise levels are taken in the work environment. Noise Monitoring Lab results are attached.</p>
48	<p>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</p>	<p>To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent has constituted an Environment Monitoring Cell. The environmental management cell regularly report to the head of the</p>

		organization.
49	The funds earmarked for environmental protection measures and CSR activities should not be diverted for other purpose. Year wise expenditure should be reported to the state Environment Impact Assessment Authority (SEIAA) office.	Scrupulously follows the directions contained. Copy of receipt of corporate social responsibility are attached.
50	The Regional Office of MOEF&CC Located at Bangalore shall extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data /information /monitoring reports	We will extend all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for.
51	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal , if preferred ,within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act,2010	There is no appeal against EC
52	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of the this clearance and attract action under the provisions of Environment protection Act,1986	Such a situation never come across. The Condition is noted for compliance
53	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter /modify the above conditions or stipulate any further conditions in the interest of environment protection.	We are willing to implement the conditions stipulated in the Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment. The conditions of SEIAA/DEIAA are strictly followed
54	The above conditions shall prevail notwithstanding anything to the contrary in consistent, or simplified, contained in any other permit, license on consent given by other authority for the same project.	We will give priority to the conditions stipulated in the Environment Clearance Order for execution.
55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala whichever is earlier.	It is noted that this Environmental clearance order from DEIAA Palakkad is valid for a period of 3 years.
56	The Environmental Clearance will be subject to the final order of the courts of the in any pending litigation related to the land or project, in any court of law.	Not applicable

57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining operation is alone above ground water table
58	All vehicles used for transportation and within the mines shall have PUC certificate from authorized pollution talking Centre. washing of all vehicles shall be inside the lease area	Scrupulously follows the directions contained.
59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and groundwater for the project.	Scrupulously follows the directions contained
60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.	The report of water quality is given to the SEIAA in every six months
61	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and corrective measures, if needed.	A healthy surveillance program of the workers is controlled periodically
62	No Mining operations should be carried out at Govt. Puramboke Land	The mining operations carried out at Private Owned Land

4. ENVIRONMENTAL MONITORING CELL

Table 3. Environmental Monitoring Cell

Sl No	Name	Designation	
1	Prakash N	Head of the cell(Proprietor)	Frame policies monitoring the activities
2	Prakash N	Environmental Manager-Unit manager	Co-ordinate environmental Activities and monitoring of compliances
3	V R Murali	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

ANNEXURES

ANNEXURE 1
ENVIRONMENTAL CLEARANCE

**Proceedings of the District Environment Impact Assessment Authority
Palakkad**

Present: D.Balamurali IAS, Chairman, Asif K Yusuf IAS, Member Secretary,
Narendranath.V IFS, Member

Sub: Environmental Clearance for the building stone quarry project in Survey No. 229 of Vandazhi-I Village of Alathur Taluk, Palakkad District by Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District - EC Granted- Orders issued.

District Environment Impact Assesment Authority, Palakkad

EC No. DIA/KL/PL/25/2018

Dated: 29/11/2018

- Ref: 1. No. SO 190(E) dt: 20/01/16 of MoEF Government of India.
2. Lr. No. LRG 5-2016/37766/9 dt: 17/06/2016, of District Collector, Palakkad.
3. Lr. No. 4195/EC2/2015 SEIAA dt: 10/06/2016, 19/07/2016 of SEIAA, Thiruvananthapuram.
4. Online application filed by Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District.
5. Minutes of the 21st meeting of DEAC held on 12/07/2018.
6. Minutes of the 13th meeting of DEIAA held on 19/11/2018.

ENVIRONMENTAL CLEARANCE NO. DIA/KL/PL/25/2018

Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District vide his application received on 18/05/2018 has sought Environmental Clearance under EIA notification, 2006 for the quarry project in Survey No. 229 Vandazhi-I Village of Alathur Taluk, Palakkad District for an area of 0.9712 Hectares. The project comes under category B Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50hectares) and as per O.M No. L-11011/47/2011-1A.11(MM) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-1A-II (I) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares. Other details of the project are as under:

Location sy no/district, Taluk/village etc.		Survey No. 229 Vandazhi-I Village of Alathur Taluk, Palakkad District.
GPS co- ordinates		Latitude(N)
		N 10° 32' 18.59" N to 10° 32' 22.99"
For mining projects		Longitude(E)
		E 76° 32' 11.45" E to 76° 32' 17.46"
Extent of area (in hectares)	0.9712 Hectares	
	Minimum and maximum height of excavation (MSL)	90m to 122m

Life of mine proposed	3 years
Ultimate depth of mining (in MRL)	90m (3 Years)
Distance from the adjacent quarry	There is no working quarry within 500m.
Capacity of production	60000 TPA
Details of project cost	30,00,000

ABOUT THE PROJECT

Environmental Parameters Considered

WATER

Water requirement & sources	The total requirement of water is 5.0 KLD. About 1.0 KLD is required for domestic consumption, 4.0 KLD is required for dust suppression and for green belt development. Ample water collected by rain water harvesting is available in the old pits in the southern boundary.
RWH units proposed	A rain water harvesting structure shall be provided in the northern side outside the applied area.
Facilities for liquid waste treatment	There will not be any disposal of water from mine and hence no treatment of water is required.
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	The drains should be regularly de silted and maintained properly. Check dams and gully checks shall be constructed wherever required to arrest siltation.
Water quality meeting requirements	There is no natural water body in the permit area. Mining operation will terminate much before the water table and there will not any intersection on the ground water body.
Does it have provisions for use of recycled water	No

LAND

Proximity of forest lands	No forest land near proposed area.
Access road to the site- width & condition	7 M. Private road. Road must be maintained in good motorable condition.
Storage of explosives/ hazardous substances	The controlled blasting is proposed by adopting all the safety measures as per MMR-1961 and with the permission of DGMS. The explosive by authorised blasting party himself and the blasting should be carried out by registered blasting contractor as per present practices.
Facility for solid waste management	Top soil generated/recovered shall be utilized for afforestation purposes and OB shall be used for reclamation and haul roads formation. There is no other solid waste anticipated during the quarrying operation.
Topographic features/slope	Topography of the quarry permit area is slopping towards North East. The slope steadily diminishes to 104m contour level in the North East of the quarry from the 122m on the South West.

Proneness of the area for landslides	There is no likelihood of any landslide at any stage.			
Significant land disturbance resulting in erosion, subsidence & instability	The final pit slope will not be kept at an angle steeper than 45° which is not likely to cause any problem in respect to the slope stability.			
Top soil, overburden etc.	Top soil and overburden thickness varies from about 0.5m to 1.5m. Top soil estimated to recover is 10000 tonnes.			
AIR				
Air quality meeting requirements	Quality of present ambient air is within permissible limit. There is no industrial activity in and around the proposed permit area. The mining has been proposed by semi-mechanised open cast method. Water spraying shall be done on service road, mining area, loading and unloading places etc. There shall not be any significant impact on ambient air quality.			
Noise level meeting requirements	Noise arising out of the quarrying and processing operations shall be abated or controlled by the lessee at the source so as to keep it within the permissible limit. By applying the air pollution control techniques, no significant noise impact is anticipated.			
Likely emissions affecting environment	No			
ENERGY				
Energy required	All quarry activities shall be carried out using deisel operated machineries and the quarry shall be worked only during day light hours.			
BIO DIVERSITY				
Presence of any endangered species or red listed category	No			
Loss of native species and genetic diversity	No			
Likely displacement of fauna	There is no wild life in core zone, buffer zone and permit area. The agricultural lands with rural activities all around the area do not provide favourable homeland to wild fauna.			
Any introduction of alien/ invasive species	No			
SOCIAL SPECIES				
Proximity to nearest habitation	There is no habitation within 100m radius of the proposed site.			
CSR related to the project/ allocation/ time frame	Sl No	Particulars	Approx. Amount	
			Recurring	Non- Recurring
	1	Health	Rs. 45,000/-	Nil
	2	Education	Rs. 30,000/-	Nil
	3	Social aspects	Rs. 25,000/-	Nil
	Total		Rs. 1,00,000/-	

3. A qualified person shall be appointed to control, direct, manage and supervise the quarrying operations.
4. The approach road to the quarry must be in good motorable condition.
5. Controlled blasting should be practiced and blasting shall be done only during day time.
6. Plantation shall be done which includes a green belt of adequate width around the Mining Lease area excluding the rocky area, along roads, overburden dumps and non mineralized area by planting suitable native species in consultation with the local DFO/ Agriculture Department.
7. A rain water harvesting structure shall be provided in the northern side outside the applied area.
8. The drains should be regularly de silted and maintained properly. Check dam and gully checks shall be constructed wherever required to arrest siltation.
9. Fencing must be maintained properly all around the lease area.
10. Appropriate sign boards should be displayed.
11. The blasting time must be displayed and strictly adhered to.
12. Dust suppression mechanism must be in place.
13. Health and welfare measures for the persons employed shall be implemented.
14. The overburden shall be properly stacked and suitably protected from soil erosion by planting fodder grass and leguminous plants during temporary storage.

The proponent Sri. Prakash.N., ~~Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District~~ has remitted the processing charge of Rs. 48,560/- (Rupees Forty eight thousand five hundred and sixty Only) as per Chalan No. KI.001768943201819M dt: 19/05/2018, Sub Treasury, Palakkad as online processing fee for Environmental Clearance in the name of O/o.Member Secretary, DEIAA, Palakkad (Head of Account-1425-00-501-99). Also the total amount of CSR activities (of 3 years) is Rs. 3,00,000/- (Rupees Three Lakhs only) which needs to be redrafted. An affidavit has been filed to the effect that the quarry has not functioned since 06/12/2016.

The Clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures in the Environment Management Plan in Chapter 11 of the Mining Plan and the mining features including progressive mine closure plan as submitted with the conditions and undertakings in mining, blasting, mine drainage, progressive mine closure plan of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.


Validity of the Environmental Clearance will be three years from the date of this clearance, subject to earlier review in the event of genuine complaint from anybody from the safety area or violation or non- compliance of the general and specific conditions has to be scrupulously followed.

Under the circumstances stated above, sanction is hereby accorded to Sri. Prakash.N., Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District for the building stone quarry project having an extent of 0.9712 Hectares of land in Survey No. 229 Vandazhi-I Village of Alathur Taluk, Palakkad District. EC will become operational only after fulfillment of all the pre- mining conditions.

Compliance of the conditions herein will be monitored by the Geologist, Palakkad. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or

monitoring. Instances of violation if any shall be reported to the District Collector, Palakkad to take legal action under the Environment (Protection) Act, 1986 and Notification No. SO 637 (E) dated 28/02/2014 of the Ministry of Environment and Forest, Government of India.




Member Secretary (DEIAA) &
Sub Collector, Palakkad

To

Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District.

- Copy to:
1. The Chairman, DEIAA & District Collector, Palakkad.
 2. The chairman, SEIAA
 3. The Chairman, DEAC & Irrigation Engineer, Palakkad.
 4. The Tahsildar, Alathur.
 5. Geologist, Palakkad.
 6. Village Officer, Vandazhi-I.
 7. Divisional Forest Officer, Palakkad (Member of DEIAA)
 8. Dr. A.V. Santhoshkumar, Professor, Kerala Agricultural University (Expert Member of DEIAA)
 9. Secretary, Vandazhi Grama Panchayath.
 10. Station House Officer, Mangalam Dam.

GENERAL

Does it have eco restoration programmes	During the mine closure stage, the mined out area of 0.6770 Ha shall be reclaimed by with plantation and 0.1 Ha shall retained as rain water harvesting pond.
Sufficiency of parking spaces/ traffic management	The existing transport facility will be utilised for the proposed project. The proposed project does not involve any closure or diversion of existing transport routes.
Litigation/ court cases; if any, against the project (provide details)	No
Right & nature of ownership of land	Private land
Is the property forest land/govt. Land/own land	Non forest private land
Details of Authorised signatory	Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District.
Details of NABET approved EIA consultant organisation	Hareesh G Thampy 905 D-9th Street, Sankar Nagar Kaimanam P.O. Trivandrum. RQP/BNG/2296/2013/A

Field visit to the quarry project site of Sri. Prakash.N, Prakash Nivas, Mudappalloor Post, Alathur, Palakkad District was carried out on 10/07/2018 by the committee members of DEAC, Palakkad comprising Sri. Krishnan.M.N, Sri.K.C. Subramanyan and Sri. Rajesh.A. The proponent with his representatives was present at the site at the time of site visit.

The project is located in Survey No. 229 of Vandazhi-I Village of Alathur Taluk, Palakkad District. The applied area geographically falls in latitude N 10° 32' 18.59" N to 10° 32' 22.99" and longitude E 76° 32' 11.45" E to 76° 32' 17.46". The topography of the applied area is an elevated terrain with rocky land with sporadic wild shrubs and grass. An abandoned small quarry is situated in the south eastern part of the applied area. The quarry of TMT granites adjoins the southern boundary of the applied area. The highest elevation of the applied area is 122m above MSL and lowest elevation is 104m above MSL. The area is gently sloping towards northern direction. Managalam river flows at a distance of 110m from the northern boundary of the applied area. The top soil thickness varies from 0.5 to 1.5 mts. The top soil excavated as a part of quarrying activities shall be stacked separately at a predetermined place. The rock type found in the area is gneissic granitic charnockite. No dwelling units are seen in the immediate vicinity of the applied area.

Based on the overall evaluation of the site the quarry operations may be recommended with general conditions subject to the following specific conditions.

- 1. The natural flow of river seen in the northern side of the applied area should not be disturbed. Outflow of sediment water from the quarry should not be allowed to the river and for this a sedimentation tank of proper size should be put in to operation.*
- 2. Quarrying should be practiced by benching system as mentioned in the approved mining plan.*

4

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

GENERAL CONDITIONS(For mining projects)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/ KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-Restoration including the mine closure plan shall be done at the own cost of the project proponent.
7. Atleast 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and over burden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.
9. **The lease area shall be fenced off with barbed wires to a minimum height of 4 ft around, before starting of mining. All the boundary indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.**
10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/ control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.
17. Height of benches should not exceed 5m, and width should not be less than 5m, if there is no mention in the mining plan/ specific conditions.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maximum depth of mining from general ground level at site shall not exceed 10m.
20. No mining operations should be carried out at places having a slope greater than 45°.
21. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/ KSPCB.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet etc.
23. Garland drains with clarifiers should 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 atleast 5 times of the loss that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/

Regulations.

27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
28. A minimum buffer distance of 100m 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 buffer distance should be maintained from forest boundaries.
30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
31. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
32. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the Environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this authority.
33. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
34. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability(Insurance) Act, 1991 and EIA Notification, 2006.
35. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as conformation.
36. A copy of the clearance letter shall be sent by the proponent to concerned Grama panchayat/ District panchayat/ Municipality/ Corporation/ Urban Local Body and also to the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
37. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC condition including results of monitored data (both in hard copies as well as by E-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Government of India and also to the State Environment Impact Assessment Authority (SEIAA) office.
38. The details of Environmental Clearance should be prominently displayed in a mettalic 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 extend 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 SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of SEIAA, as applicable.
41. The project proponent shall ensure that no natural water course and/or water resources shall

- be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
42. Monitoring of Ambient Air Quality to be carried out based on the Notifications 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increase at places of 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 top soil shall be used for land reclamation and plantation. The overburden(OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosions 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 vegetations 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 the 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 PM_{2.5} such as haul road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
 46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
 47. Measures should be taken for control of noise levels below 85 dBA in the work environment.
 48. A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the Organization.
 49. The funds earmarked for environmental protection measured and CSR activity should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to State Environment Impact Assessment Authority (SEIAA) office.
 50. The Regional Office of MoEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
 51. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section-16 of the National Green Tribunal Act-2010.
 52. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment Protection Act-1986.
 53. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/ modify the above conditions or stipulate any further conditions in the interest of environment protection.
 54. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.
 55. This order is valid for a period of 5 years or the expiry date of mine lease period issued by the

- Government of Kerala, whichever is earlier.
56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
 57. The mining operations shall be restricted to above ground water table and it should not intersect ground water table.
 58. All vehicles used for transportation and within the mine shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area.
 59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
 60. Regular monitoring of flow rates and water quality up stream and down stream of this springs and perinnial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.
 61. Occupational health surveillance programmes of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

ANNEXURE 2
QUARRYING PERMIT

FORM M

(See sub-rule (2) of rule 9)
(For all type of quarrying permits)

**GOVERNMENT OF KERALA
DEPARTMENT OF MINING & GEOLOGY DISTRICT OFFICE, PALAKKAD**

**QUARRYING PERMIT FOR EXTRACTION OF GRANITE BUILDING STONE
GRANTED UNDER RULES 3(1), 9 AND 10 OF THE KERALA
MINOR MINERAL CONCESSION RULES, 2015
(Issued vide G.O(P) No. 144/2015/ID, Dated 05/10/2015 of Industries (A) Department)**

{As per the Judgment dated 13/06/2022 in WP (C) No. 16399/2022}

No. 05/2022-23/GBS/DOP/1855/2021/A1

Dated. 25/06/2022

Shri. Prakash. N, S/o. Nagarajan. C.N, Proprietor, Prakash Nivas, Mudappallur. P.O, Alathur is hereby permitted to extract and remove **Granite Building Stone** (Name of mineral) from an area of **97.12 Are** in **Block No. 49, Re.Sy.No. 229** of **Vandazhi-I Village** of **Alathur Taluk** of **Palakkad District** Kerala State under rule 3(1) and 9 of the Kerala Minor Mineral Concession Rules, 2015 subject to the conditions mentioned in rule 10.

Quantity of extraction of mineral permitted : **12,000 MT**
(Not applicable in the case of CRP System) :

Whether the permit holder opted CRP System : **No**

Number of mineral transit passes to be issued : **Transit passes can be issued subject to the limitation of quantity allowed 12,000 MT**

Name and address of the owner of the land under mineral concession / particulars of consent / NOC received from the occupier of the land (if applicable) : **C.V. Nagarajan, Prakash Nivas, Mudappallur (Consent validity : 20 years)**

Date of expiry of permit : **28/11/2022**

Details of fee remitted

Item	Chalan No & Date	Amount	Name of Treasury
Application fee	No. KL020853299202122M, dated 05/01/2022	Rs. 1,000/-	Dist. Treasury, Palakkad
Royalty	No. KL008930039202223M, dated 24/06/2022	Rs. 2,88,000/-	Dist. Treasury, Palakkad
Surface Rent	No. KL008930492202223M, dated 24/06/2022	Rs. 485/-	Dist. Treasury, Palakkad
Add. Royalty remitted, if any			



Handwritten signature
25/10/2022

Signature & Address of the issuing authority

GEOLOGIST
District Office of the Department
Mining and Geology, Palakkad
PIN : 678 014

Office Seal

കുറിപ്പ് : DEIAA, പാലക്കാടിന്റെ എൻവയറോൺമെന്റ് ക്ലിയറൻസ് നം. DIA/KL/PL/25/2018 dated 29/11/2018 നമ്പർ ഉത്തരവിലെ നിബന്ധനകൾ പാലിച്ചു മാത്രമേ കരിങ്കല്ല് ഖനനം ചെയ്യുവാൻ പാടുള്ളൂ.

To

**Shri. Prakash. N, S/o. Nagarajan,
Mudappallur. P.O, Alathur**

(Name and Address of the owner of the land)

- Copy to : 1). The District Collector, (with C/L)
2). Deputy Chief Controller of Explosives, Kakkanadu, Ernakulam.

ANNEXURE 3
KSPCB CONSENT



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/PLKD/ICO/R18PAL405868/2022

Date of issue :22/01/2022

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/PLKD/ICO/R1/7795069/2022

Ref : Consent No. :PCB/PLKD/ICO/F/639/2018,

Dated on 13/12/2018,

Valid upto 28/11/2021 as per

FILE NO : PCB/PLKD/ICO/1100/7795249/2018

The ' Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY PRAKASH N
Mangalam Dam Post ,

Vandazhi,

Alathur,

Palakkad is hereby renewed up to 28/11/2022 and issued to M/s QUARRY OWNED BY PRAKASH N

Mangalam Dam Post ,

Vandazhi,

Alathur,

Palakkad 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	VALIDITY	28/11/2022
2	LAST DATE FOR RENEWAL OF THE APPLICATION	ON OR BEFORE 28/09/2022
3	Capital Investment(in Lakhs)	47.50
4	CATEGORY	RED
5	ANNUAL FEES	9,600/-
6	FEE REMITTED IN Rs.	14,400/-

7	PRODUCT DETAILS	QUARRING IN RE-SURVEY NO 229 IN VANDAZHI VILLAGE WITH AREA OF EXTENT 0.9712 HECTARES TO PRODUCE 100 METRIC TONNE GRANITE BOULDERS
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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 issued based on the Judgement dated 25-10-21 of the Honourable Supreme Court of India in CA no. 6273 of 2021 and connected matters, order dated 14-12-2021 of the Honourable Supreme Court in MA no. 1904 of 2021, Judgement dated 10-11-2021 of the Honourable High Court of Kerala in WP(C) 2773 of 2021 and Judgement dated 10-12-2021 of the Honourable High Court of Kerala in WP(C) 27178 of 2021
2. This Consent is issued subject to any order passed by the Honourable Supreme Court and Honourable National Green Tribunal in connected matters

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

Krishnan M N Digitally signed by Krishnan M N
Date: 2022.01.24 11:56:36 +05'30'

DATE :24/01/2022

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER



To
Prakash N ,
S/O Nagarajan,
Prakash Nivas 18/454 Vaniya Street Mudappallur P0 Palakkad
Mangalam Dam Post ,
Vandazhi,

Alathur,
Palakkad 678706

1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to krocmms.nic.in 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 4
EXPLOSIVE LICENSE

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

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

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

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

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

अनुज्ञापति सं. (Licence No.) : E/SE/KL/22/157(E109529)

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



1. Licence is hereby granted to

Shri Prakash N S/O. C.V.Nagarajan (अधिभागो / Occupier : Prakash), Prakash Nivas, Vaniyar Street,Mudappallur, Town/Village - Mudappallur, District-PALAKKAD, State-Kerala, Pincode - 678705



को अनुज्ञापति अनुदत्त की जाती है।

2. अनुज्ञापतिधारी की प्रास्थिति | Status of licensee : **Individual**

3. अनुज्ञापति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

Licence is valid only for the following purpose.

possess for use of **Nitrate Mixture, Electric and/or Ordinary Detonators, Safety Fuse** के उपयोग के लिए

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

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

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	75 Kg.
2.	Electric and/or Ordinary Detonators	6,3	0	1000 Nos.
3.	Safety Fuse	6,1	0	1500 Mtrs

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

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

30 times
as above.

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

रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/157
: (E109529)

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

दिनांक (Dated) 21/03/2018

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

Survey No. 229 Block 49 , ग्राम (Town/Village) : Vandazhi-1, Alathur पुलिस थाना (Police Station) : Mangalam Dam

जिला (District) PALAKKAD राज्य (State) Kerala

पिनकोड (Pincode) 678705

दूरभाष (Phone) 09447620490 ई. मेल (E-Mail) prakashtraders.kerala@gmail.com

फैक्स (Fax)

7. अनुज्ञापति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

Portable Magazines D type(Sr.No 860) and E type
: (Sr.No.1065) fabricated by M/s.Thekkans Engineering & Fabrication Works, Ernakulam

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

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

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

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

2. अनुज्ञापति प्राधिकारी व्दाररा हस्ता.क्षरित इस अनुज्ञापति की शर्तों और अतिरिक्त शर्तों।

Conditions and Additional Conditions of this licence signed by the licensing authority.

3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञापति तारीख 31 मार्च 2022 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2022.

यह अनुज्ञापति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञापति की शर्तों का अधिक्रमण करने या यदि अनुज्ञापति परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the

conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or the licensed premises are not found conforming to the description shown in the plans and Annexure attached here.

Sd/-

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

तारीख | The Date - 21/03/2018

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 24/12/2019
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/04/2021

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
14/03/2022	31/03/2027	Dy. Chief Controller of Explosives, Ernakulam

For Deputy Chief Controller of Explosives
Ernakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.

ANNEXURE 5
CERTIFICATE OF MINES MANAGER

Cert No. MR/S2/0175



भारत सरकार/Government of India

खान अधिनियम, 1952/Mines Act, 1952

खनन परीक्षा बोर्ड/Board of Mining Examinations

खनन मेंट सक्षमता प्रमाण-पत्र

MINING MATE'S CERTIFICATE OF COMPETENCY

(केवल ओपेनकास्ट खानों तक सीमित)

(Restricted to mines having opencast workings only)

(धात्विकीय खान विनियम, 1961 के अन्तर्गत)

(Under the Metalliferous Mines Regulations, 1961)

श्री

सुपुत्र

जिनकी जन्म तिथि

है, को अपनी

आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण प्रस्तुत करने एवं दिनांक को केन्द्र पर आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित मेंट सक्षमता प्रमाण-पत्र प्रदान किया जाता है।

Shri RAMESH V

son of GCPAL V

born on 06th JUNE, 1975 (SEVENTY FIVE) having given satisfactory evidence of his age, medical fitness, good character, literacy and prescribed experience of working in metalliferous mines and having passed the prescribed examination held at GVTC, SANDUR


centre on 02.08.2011 is hereby granted MINING MATE'S CERTIFICATE OF COMPETENCY restricted to mines having opencast workings only.

बाएँ हाथ के अंगुठे का निशान

Left hand thumb impression

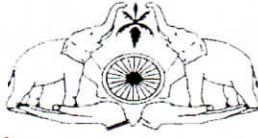
अग्रज सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining
Examinations


अग्रज सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining Examinations
Bengaluru


अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining
Examinations

Signed and Sealed
Date. 18/7/12

ANNEXURE 6
PANCHAYAT LICENSE



നമ്പർ: 439/2022-2023/A-2/ILGMS 428/22

തീയതി: 11/05/2022

വണ്ടാഴി ഗ്രാമപഞ്ചായത്ത്

മുടപ്പല്ലൂർ പി.ഒ., പാലക്കാട് (ജില്ല)

ഫിൻ: 678705, ഫോൺ: 04922-260021, ഇ-മെയിൽ: ddpvandazhipkd@gmail.com

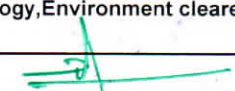
വ്യവസായം, വാണിജ്യം, സംരഭകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്

(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചട്ടങ്ങൾ 1996)

ലൈസൻസിയുടെപേര്	എൻ.പ്രകാശ്		
ലൈസൻസിയുടെ മേൽവിലാസം	പ്രകാശ് നിവാസ്,വാണിയാർ സ്ക്വീറ്റ്,മുടപ്പല്ലൂർ		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	പ്രകാശ് ഗ്രാണൈറ്റ്സ്		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ ക്വാറി നടത്തുന്നതിന്		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	XI/VANDAZHY I VILLAGE ,RE SY BLOCK:49 ,RE SY NO:229		
ലൈസൻസ് കാലാവധി	11/05/2022	മുതൽ	28/11/2022 വരെ
ലൈസൻസ് ഫീസ് മോട്ടോർ ഫീസ് തൊഴിൽ നികുതി	തുക	രസീത് നമ്പർ	തീയതി
	500 /- രൂപ	1220100563	11/05/2022
	2500 /- രൂപ	1220100563	11/05/2022
ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	1.OLD LICENCE NO:353/21 2.Kerala State Pollution Control Board-Consent to Operate Valid up to -28/11/2022 Consent No.PCB/PLKD/ICO/R18PAL405868/2022 Dtd.22/01/2022 2. 3.Explosive Licence Valid up to 31/03/2027 Consent No.E/SE/KL/22/157/(E109529) dtd. 14/03/2022 3. 4..The Licence should be valid only after obtaining consent from concerned authorities(Mining and Geology,Environment clearance from DEIAA/SEIAA)		

ഓഫീസ് മുദ്ര




M. SAJAN
 Secretary
 Vandazhy Gramapanchayat
 Mob: 8498047263

സെക്രട്ടറി

വണ്ടാഴി ഗ്രാമപഞ്ചായത്ത്

ലൈസൻസി താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

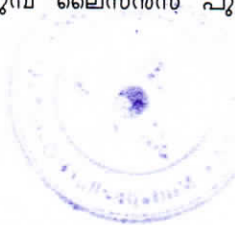
- 1 കേരള പഞ്ചായത്ത് രാജ് ആകട്ടെ അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
- 2 തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൈകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാണ്.
- 3 ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നവോ 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 നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
- 5 തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാക്കാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാക്കാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
- 6 ഒരോ പ്രവർത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
- 7 ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
- 8 ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും, ഉപദ്രവകരവുമാ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
- 9 ലൈസൻസി മേൽപറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് വയ്പിക്കേണ്ടതാണ്.
- 10 അധിതം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
- 11 ഏതെങ്കിലും തരത്തിലുള്ള തപക്ക് രോഗമോ കുഷ്ഠ രോഗമോ വ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
- 12 17/02/2019 ലെ സ.ഉ. (കൈ) നം.7/2019 പരിസ്ഥിതി ഉത്തരവ് പ്രകാരം ഒറ്റത്തവണ ഉപയോഗിക്കുന്ന നിരോധിത വസ്തുക്കൾ ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ വിതരണം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
- 13 സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
- 14 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്റ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
- 15 നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ഖ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
- 16 ബാലവേല അനുവദിക്കാൻ പാടില്ല.
- 17 മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.



സെക്രട്ടറി

വണ്ടാഴി ഗ്രാമപഞ്ചായത്ത്

N.B:- ഈ ലൈസൻസ് അവസാനിക്കുന്ന തീയതിക്ക് 30 ദിവസം മുമ്പ് ലൈസൻസ് പുതുക്കുന്നതിനുള്ള ഫീസ് ഒടുക്കുവരുത്തേണ്ടതാണ്.



ANNEXURE 7
CSR DETAILS

കെ.എൽ.രമേഷ്
പ്രസിഡണ്ട്
വണ്ടാഴി ഗ്രാമപഞ്ചായത്ത്
ഫോൺ : 04922 260021



ISO 9001 : 2015

കൊരക്കാലി വീട്
വണ്ടാഴി പി.ഒ,
പാലക്കാട് ജില്ല - 678 706
Mob : 9846182471

തീയതി 28/7/22

പി.കെ.പ്രൊ

പഞ്ചായത്ത് പ്രസിഡന്റിന് വേണ്ടി
പ്രസിഡന്റിന്റെ പ്രകാരം പ്രസിഡന്റിന്റെ
പ്രകാരം പ്രസിഡന്റിന്റെ പ്രകാരം
പ്രസിഡന്റിന്റെ പ്രകാരം പ്രസിഡന്റിന്റെ
പ്രകാരം പ്രസിഡന്റിന്റെ പ്രകാരം
പ്രസിഡന്റിന്റെ പ്രകാരം പ്രസിഡന്റിന്റെ
പ്രകാരം പ്രസിഡന്റിന്റെ പ്രകാരം



Handwritten signature

കെ. എൽ. രമേഷ്
പ്രസിഡന്റ്
വണ്ടാഴി ഗ്രാമ പഞ്ചായത്ത്
Ph: 9846182471

മണ്ടാഴി ഗ്രാമപഞ്ചായത്തിലെ 5-ാം വാർഡിൽ താമസിക്കുന്ന

മുൻസിഫ് ഫാമിയിൽ എന്റെ വീട് പണിയുന്ന

അനുബന്ധമായി 30000/- രൂപയുടെ കരിങ്കല്ല്

ശ്രീ കോസ്റ്റ് N ക്ലബ്ബിന്റെ കയ്യിൽ നിന്നും നൽകുക.

എസ്. മുൻസിഫ്. (Adhar no.

59627875050



15/10/2022



संघीय लोकतान्त्रिक गणतन्त्र
भारत सरकार



आधार

भारत सरकार
Government of India

भारतीय विशिष्ट पहचान प्राधिकरण
Unique Identification Authority of India

नामांकन क्रम / Enrollment No. : 2003/68269/02416

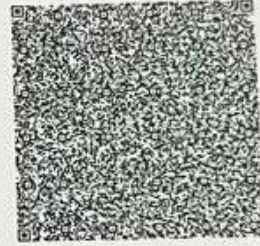
To
Sundari

W/O: Kanakabaram,
eadaparambu House,
panamkulambu,
panamkulambu,
Mudappallur,
VTC: Vandazhi-ii,
District: Palakkad,
State: Kerala, PIN Code: 678705,
Mobile: 9847481170

34075911



KC340759115FL



आपका आधार क्रमांक / Your Aadhaar No. :

5962 7877 5050

मेरा आधार, मेरी पहचान



भारत सरकार
Government of India



आधार

Issue Date: 23/11/2011



Sundari

DOB: 20/05/1977

Female

5962 7877 5050

मेरा आधार, मेरी पहचान

വണ്ടാറ്റി വൃദ്ധ പഞ്ചായത്തിൽ
5.ാം വാർഡിൽ താമസിക്കുന്ന
ഉദയകുമാർ ചോയിപ്പിള്ളി നായർ.
എന്റെ വീട് പണിക്ക് 20.8.2022. ന്
മുൻപായിട്ടുണ്ട് പ്രകാശ് വാണിയൻ
എന്ന സ്ത്രീ പണത്തിൽ നിന്ന്
50000 രൂപയുടെ തുകയും, ക്യാറി
വേർഷ്ണും സൗജന്യമായി നൽകി
സഹായിക്കുകയുണ്ടായി എന്ന്
ഇക്കാരാൽ സാക്ഷ്യപ്പെടുത്തുന്നു.

എൻ.
K.Udayakumar



भारत सरकार

Government of India



Issue Date: 24/12/2012



Udayakumar K

Date of Birth/DOB: 26/05/1973

Male/ MALE

3568 6719 3010

VID : 9151 9351 2340 0344

मेरा **आधार**, मेरी पहचान



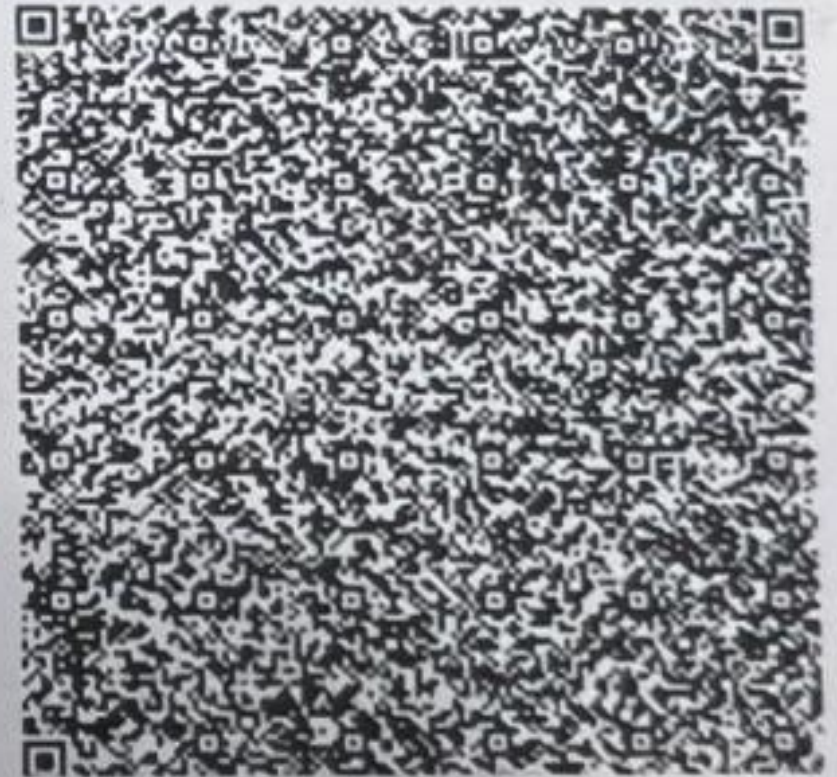
भारतीय विशिष्ट पहचान प्राधिकरण

Unique Identification Authority of India



Address:

KRISHNASWAMY, MANALIPPADAM,
MUDAPPALLUR, MUDAPPALLUR, Vandazhi-II,
Palakkad,
Kerala - 678705

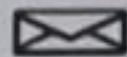


3568 6719 3010

VID : 9151 9351 2340 0344



1947



help@uidai.gov.in



www.uidai.gov.in

ANNEXURE 8
EMC

20.09-2022

2022 September 20-20 തിരുവിതാംകൂർ ഓഫീസ് -
നവ്വേലിയിൽ E.M.C. ഓഫീസ് തിരുവനന്തപുരം.

1) ഓഫീസ് നെറ്റ് വർക്ക് പ്രവർത്തനം മെച്ചപ്പെടുത്താൻ തീരുമാനിച്ചു.


2) കമ്പ്യൂട്ടർ ട്രബിൾ ഷൂട്ടിംഗ് -

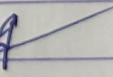
3) ഓഫീസ് ട്രബിൾ ഷൂട്ടിംഗ് നെറ്റ് വർക്ക് -
Network മെച്ചപ്പെടുത്താൻ തീരുമാനിച്ചു.

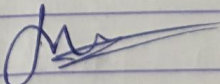
4) കമ്പ്യൂട്ടർ നെറ്റ് വർക്ക് മെച്ചപ്പെടുത്താൻ തീരുമാനിച്ചു.

5) കമ്പ്യൂട്ടർ നെറ്റ് വർക്ക് മെച്ചപ്പെടുത്താൻ തീരുമാനിച്ചു.

അധികാരികൾ നിയമിക്കാൻ.

1) N. PRADHAN. 

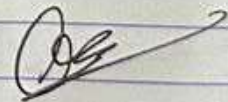
2) V.R. MURALI 


3) VASUDEVAN 


10-11-2022

2022 November 10-20 കിഴക്കൻ ക്വട്ടറി ഓഫീസിൽ
നവ് വേദന E.M.C. ഉദ്യോഗ നിർദ്ദേശങ്ങൾ

- 1) വേലയിൽ നെ വിരമിച്ച ക്ലർക്കുമാർ ഉൾപ്പെടെ
നന്നമുഖർക്കു കിട്ടാൻ കഴിയും
- 2) ജീവിതാനുഭവം - വിനയമുള്ളവർക്ക് പ്രതിഫലം
കിട്ടാൻ കഴിയും
- 3) ജീവിതാനുഭവം ഉൾപ്പെടെ Funding ഉപ നന്നമുഖർ
കിട്ടാൻ കഴിയും
- 4) വേലയിൽ കൂടുതൽ പട്ടിക നന്നമുഖർക്കു കിട്ടാൻ
കഴിയും
- 5) മുൻപില ഉദ്യോഗ നിർദ്ദേശങ്ങൾ നടപ്പിലാക്കി
ഉറപ്പുവരുത്തി.
- 6) വേലയിൽ - നഷ്ടമേൽക്കാൻ.

1) N. PRADHANA. 

2) V.R. MURALI 

3) VASU. M. 

ANNEXURE 9
ENVIRONMENTAL MONITORING RESULTS

TEST REPORT

Test Report No: 20221122/R003	Date: 28-11-2022	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	Mr.Prakash N Prakash Nivas, Mudappalloor P.O Alathur, Palakkad District
Customer Reference	Test Request date: 21-11-2022

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20221122/S003
Sample Name	Ambient Air	Sample Received on	22-11-2022
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	23-11-2022
Sampled by	Lab Authorized Sampler	Test Completed on	27-11-2022

DETAILS OF SAMPLING			
Sampling Location	Project site	Date of Sampling	21-11-2022
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	68 %

SAMPLING SITE DETAILS			
Survey No.	229		
Village	Vandazhi-1	Taluk	Alathur
District	Palakkad	State	Kerala

TEST RESULTS-CHEMICAL DISCIPLINE					
SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
1	Particulate matter ,PM ₁₀	IS 5182 (Part 23): 2006	µg/m ³	48.2	100 (Max)
2	Particulate matter ,PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	25.8	60 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	< 4.00	80 (Max)
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	< 4.00	80 (Max)

End of Report



Shency Joy
Dy.TM-Chemical

Checked by:




Laju 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

Web: www.sealabs.in, E-mail: seaalab@gmail.com

TEST REPORT

Test Report No.: 20221122/R004	Date: 28-11-2022	Page 1 of 1
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CUSTOMER DETAILS

Customer Name & Address	Mr.Prakash N Prakash Nivas, Mudappalloor P.O Alathur, Palakkad District
Customer Reference	Test Request date: 21-11-2022

DETAILS OF MONITORING

Product Category	Atmospheric Pollution	Sample Code	20221122/S004
Sample Name	Ambient Noise	Monitoring Commenced on	21-11-2022
Test Method	IS 9989:1981	Monitoring Completed on	22-11-2022
Monitoring Location	Project site	Monitored by	Lab Authorized Sampler

SAMPLING SITE DETAILS

Survey No.	229		
Village	Vandazhi-1	Taluk	Alathur
District	Palakkad	State	Kerala

MONITORING RESULTS - Leq

TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.5	14:00	50.3	22:00	36.4
07:00	40.2	15:00	50.7	23:00	33.7
08:00	44.5	16:00	51.9	24:00	36.1
09:00	48.0	17:00	52.2	01:00	36.8
10:00	50.3	18:00	46.8	02:00	36.4
11:00	53.4	19:00	43.3	03:00	37.1
12:00	50.7	20:00	39.5	04:00	36.1
13:00	49.9	21:00	39.0	05:00	37.8

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	48.8
2	Ambient Sound Level (Leq) Night Time	dB(A)	36.4

Remarks:

End of Report



Shency Joy
Dy.TM-Chemical

Checked by:




Laiju P.N.
Laboratory Head

Authorized Signatory

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

Web: www.sealabs.in, E-mail: seaalab@gmail.com

TEST REPORT

Test Report No.: 20221122/R005	Date: 28-11-2022	Page 1 of 2
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CUSTOMER DETAILS

Customer Name & Address	Mr.Prakash N Prakash Nivas, Mudappalloor P.O Alathur, Palakkad District
Customer Reference	Test Request Date: 21-11-2022

SAMPLE DETAILS


Product Category	Water	Sample Code	20221122/S005
Sample Name	Surface Water	Sample Received on	22-11-2022
Sample Description by Customer	Pond Water (Water From RWH Pond)	Temperature @ Receipt	28°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	23-11-2022
Sample Quantity& Packing	1 L & 125 ml in a Plastic Bottle	Test Completed on	27-11-2022
Information Provided by Customer	---	Sampled by	Not Drawn by Laboratory

SAMPLING SITE DETAILS

Survey No.	229		
Village	Vandazhi-1	Taluk	Alathur
District	Palakkad	State	Kerala

TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Colour	IS 3025 (Part 4):1983	Hazen	1	5.00 (Max)
2	Odour	IS 3025 (Part 5): 2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984	NTU	0.30	1.00 (Max)
4	pH	IS 3025 (Part 11):1983	---	6.68	6.50 – 8.50
5	Conductivity	IS 3025 (Part 14):1984	µS/cm	170	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984	mg/L	110	500 (Max)
7	Total Hardness (as CaCO ₃)	IS 3025 (Part 21):2009	mg/L	42.0	200 (Max)



Shency Joy
Dy.TM-Chemical
Checked by




Salini T.S.
Microbiologist
Authorized Signatory



Laiju P.N.
Laboratory Head
Authorized Signatory

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Web: www.sealabs.in, E-mail: sealab@gmail.com

TEST REPORT

Test Report No.: 20221122/R005

Date: 28-11-2022

Page 2 of 2

TEST RESULTS- CHEMICAL DISCIPLINE

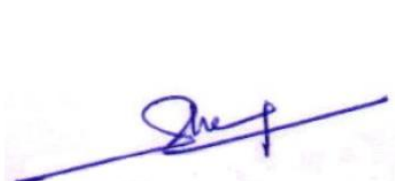
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
8	Calcium (as Ca)	IS 3025 (Part 40):1991	mg/L	9.60	75.0 (Max)
9	Magnesium (as Mg)	IS 3025 (Part 46):1994	mg/L	4.38	30.0 (Max)
10	Chloride (as Cl)	IS 3025 (Part 32):1988	mg/L	36.6	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23):1986	mg/L	25.0	200 (Max)
12	Iron (as Fe)	IS 3025 (Part 53):2003	mg/L	0.34	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 (Part 24):1986	mg/L	4.25	200 (Max)

TEST RESULTS - BIOLOGICAL DISCIPLINE

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

Web: www.sealabs.in, E-mail: sealab@gmail.com

ANNEXURE 10
SITE PHOTOS



Display Board of Blasting Time



Rain Water Harvesting Pond



Warning Sign Board



Approach Road