

Date: 23-06-2023

From,

M. K. RASHEED
(Managing Partner)
M/s CHENNADU GRANITS,
Manackparambil, Nadackal,
Kottayam , Kerala 686 121.

To,

MoEF Regional Office, Southern Zone,
Kendriya Sadan, 4th Floor,
E & F Wing, II Block,
Koramangala, Bangalore – 560 034

Respected Sir/Madam

Sub: Submission of Half yearly compliance report in respect of M/s CHENNADU GRANITES project in survey no. 249, 249/1, 249/2 at Kondoor Village, Meenachil Taluk, Kottayam District, Kerala State- regarding

Ref: **Environmental Clearance No. . 161/2016** issued vide file No.
793/SEIAA/EC4/1851/2015, DATED: 04-10-2016

With respect to above subject we are herewith submitting the detailed half yearly Compliance Report for the period from **October 2022 to March 2023** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours respectfully,



M. K. RASHEED

Copy to: The Member Secretary, State Level Environment Impact Assessment Authority, 4th floor,
KSRTC terminal complex, Thiruvananthapuram – 695 014

COMPLIANCE REPORT FOR QUARRY PROJECT OF M/s CHENNADU GRANITES

SURVEY NOS. : 249, 249/1, 249/2

EXTENT : 4.704 HECTARES

VILLAGE : KONDOOR

TALUK : MEENACHIL

DISTRICT : KOTTAYAM

STATE : KERALA

ENVIRONMENTAL CLEARANCE

NO. 161/2016

(FILE NO. 793/SEIAA/EC4/1851/2015,
DATED: 04-10-2016)

FOR THE PERIOD FROM OCTOBER 2022 TO MARCH 2023

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I. ABOUT THE PROPONENT

Mr. M. K. Rasheed, Managing Partner & authorized signatory of M/s CHENNADU GRANITES, Manackaparambil, Nadackal, Kottayam – 696 121, Kerala is operating a Granite (Building Stone) Quarry.

State Environment Impact Assessment Authority (SEIAA) Kerala accorded Environmental Clearance No I61/2016 vide file no. 793/SEIAA/EC4/I851/2015 dated 04-10-2016 to the quarry project in Kondoor Village, Meenachil Taluk, Kottayam District, Kerala State.

II. ABOUT THE PROJECT

a. Project Category:

The project comes under the Category B2, Activity I(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.

b. Project Location:

- i. Survey Nos . 249, 249/1, 249/2 in Kondoor Village, Meenachil Taluk, Kottayam District, Kerala.

The proposed project site falls within latitude and longitude value:

Latitude (N)	09°38'28.24" N to 09°38'38.49"N
Longitude (E)	76°47'31.43"E to 76°47'40.68"E

c. Project Extent And Activity:

The project is for quarrying of 1,50,000 MTA of building stone from an area of 4.704 hectares.

d. Project Description:

M/s CHENNADU GRANITES has obtained environmental clearance by SEIAA for 5 years and the validity will expire on 03-10-2021. The proposed Granite (Building Stone) quarry over an area of 4.704 hectares is located in Kondoor Village, Meenachil Taluk, Kottayam District, Kerala. The proponent has obtained approval for mining plan to produce 1,50,000 metric tonnes of building stone per annum and the proposed life of mine is 14 years. And the total project cost for the project is 2.5 crore

III. REPORT OF COMPLIANCE

A. SPECIFIC CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
S-I	Top soil and over burden should be stored in a designated place on the lower slope away from the working and provided with protective support walls.	Stored in a designated place.

Figure I : Photograph showing top soil and overburden in the project site



		
S-2	The water draining into the valley will need clarification once the quarry is in operation. It must be managed by providing a RWH/ desiltation structure. A catch water drain is needed on the lower slopes leading to the desiltation structure.	Scrupulously follows the directions contained.

Figure 2 : Photographs showing garland drains





S-3	The approach road is narrow and need to be widened. It should be maintained for movement of heavy vehicle.	The access road is being maintained 7.0m width for the movement of trucks.
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Figure 3 : Photograph showing access road to the project area



S-4	The CSR activity needs revision addressing the needs of locality.	Scrupulously follows the directions contained.
S-5	The proponent shall resolve the issue of dwelling unit located within 100 mtrs away on the eastern side of the project site.	The unit is demolished.

B. GENERAL CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
G-1	Rain Water Harvesting facility should be installed as per the prevailing Provisions of KMBR/KPBR, unless otherwise specified	Rain Water Harvesting facility is provided.
Figure 4 : Photograph of rain water harvesting pit 		
G-2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	An Environment Monitoring Cell is constituted and made functional. (Details is attached as Annexure 2)
G-3	Suitable avenue trees should be planted along either side of tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Avenue trees by way of natural vegetation are present along either side of the tarred road, both approach road and internal road. (Details is attached as Annexure-3)

Figure 5 : Photograph of avenue Plantation





G-4

Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.

Solar is provided.

Figure 6 : Photograph showing solar system in the project area



G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprinklers are used in the project site to contain dust emissions..
G-6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	To maintain eco restoration, periodical afforestation and maintenance of the plantation will be made, rain harvesting and dust controlling will be done mining will be carried by eco-friendly method.
G-7	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco- friendly. If, no other specific condition on reclamation of pit is stipulated in the E.C	At the time of the closure of the mine, it shall be ensured that the directions contained are scrupulously followed.
G-8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Activities towards Corporate Social Responsibilities are being implemented. (Details of CER are attached as Annexure 5).
G-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.	Scrupulously follows the directions contained.

Figure 6 : Photographs showing boundary indicator (sign board, marking) & boundary pillars



Boundary Pillar BP2



Boundary Pillar BP6



G-10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per Stipulations of Explosive Department.	Warning alarms indicating the time of blasting is arranged as per the stipulations.
G-11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Control measure on noise and vibration is as per KSPCB
G-12	Quarrying activities should be limited to day time as per KSPCB guidelines / specific conditions.	Quarrying activities is limited as per KSPCB guidelines.
G-13	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Blasting is done in a controlled manner as specified by the regulation of explosives Department.
G-14	A licensed person should supervise/control the blasting operations.	A Licensed person is supervising the blasting operations. (Details is attached as Annexure 7)
G-15	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Access road to quarry is tarred to contain dust emissions that may arise during transportation of materials.

Figure 7: Photograph showing access road to the project area



G-I6

Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.

Overburden is stacked in pre-determined site specified for the purpose.

Figure 8: Photograph showing temporarily stored overburden dump



G-17	Height of benches should not exceed 5m and width should not be less than 5 m if there is no mention in the mining plan/specific conditions.	Height of the benches is maintained at 5 x 5 m.
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Figure 9: Photograph showing bench development / Mining face development



G-18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Would be provided.
G-19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Scrupulously follows
G-20	Non mining operations should be carried out at places having a slope greater than 45°.	Scrupulously follows the directions contained.
G-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.	Acoustic enclosure is provided to reduce sound amplifications.
G-22	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	The workers on the site is provided with the required protective equipment such as ear muffs, helmet, etc.

G-23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Scrupulously follows the directions contained.
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Figure I0 : Photographs showing garland drains



G-24	The transportation of minerals should be done in covered trucks to contain dust emissions.	The transportation of minerals is done in covered trucks to contain dust emissions.
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Figure II : Photograph showing covered truck with rock materials



G-25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Would be complained.
G-26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Scrupulously follows the directions contained.
G-27	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Scrupulously follows the directions contained. (Certificate is attached as annexure 8)

Figure I2 : Photograph showing magazine



G-28	A Minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structure not being any facility for mining shall be provided.	The unit is demolished
G-29	100 m buffer distance should be maintained from forest boundaries.	Scrupulously follows the directions contained.
G-30	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Scrupulously follows the directions contained. (Certificate is attached as annexure 4)

G-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.	Scrupulously follows the directions contained.
G-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 EC is issued. The projects would require a fresh appraisal by this authority, for which the proponent shall apply and get the approval of this Authority.	Scrupulously follows the directions contained.
G-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.	All the safeguard measures are done as per Environment (Protection) Act, 1986.
G-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.	Scrupulously follows the directions contained. (Certificate is attached as annexure 9)
G-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	Advertised in local newspaper.

	seen on the website of the Authority at www.seiaakerala.org . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	
G-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.	Scrupulously follows the directions contained. (Panchayath License is attached as annexure 6).
G-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 email) and upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website. It shall simultaneously be sent to the respective Regional office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) Office	Half yearly reports are submitted as stipulated. EC and half year compliance report is uploaded on company website http://chennadugranites.com/
G-38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	The conditions of Environmental Clearance are prominently displayed in a metallic board.

Figure I3 : Photograph showing details of the environmental clearance prominently displayed in a metallic board



G-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.	The proponent has provided notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC have been scrupulously followed.
G-40	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Scrupulously follows the directions contained.
G-4I	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.	Ensured that no natural water course and/or water resources were obstructed due to any mining operations.

G-42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Scrupulously follows the directions contained as per the conditions.
G-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 dumpsite(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. 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.	Scrupulously follows the directions contained as per the conditions.
G-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 in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Scrupulously follows the directions contained.
G-45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading points and transfer points-it shall be ensured	Scrupulously follows the directions contained and ensured that the Ambient Air Quality parameters Conform to the norms prescribed by the Central Pollution Control Board in this regard.

	that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	
G-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	Scrupulously follows the directions contained.
G-47	Measures should be taken for control of noise levels below 85DbA in the work environment.	Measures have been taken for the control of noise levels below 85DbA in the work environment.
G-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.	A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
G-49	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.	The funds earmarked for environmental protection measures and CSR activities are being kept in separate account and have not been diverted for other purposes. Year wise expenditure will be reported to the State Environment Impact Assessment Authority (SEIAA) office.
G-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.	The Regional office of MOEF &CC located at Bangalore will monitor compliance of the stipulated conditions. The project authorities will extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/ information /monitoring reports.

G-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.	Strictly follow the rules and Scrupulously follows the directions contained.
G-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	Strictly follow the rules, if any factual data is concealed or false/fabricated data is submitted and failure to comply with any of the conditions mentioned above is found.
G-53	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	SEIAA can revoke any order if any of the specific or this implementation of any of the above conditions is not satisfactory.
G-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 any other authority for the same project.	Yes, all 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.
G-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.	Yes, this order is valid for a period of 5 years from 04-10-2016 to 03-10-2021. (EC is attached as annexure I)
G-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.	The Environmental Clearance is obtained from SEIAA.
G-57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining operation has been restricted to above ground water table and it will not intersect ground water table.
G-58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	Scrupulously follows the directions contained.

G-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.	Scrupulously follows the directions contained.
G-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.	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 will be carried out and reported in the six monthly reports to SEIAA.
G-6I	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance program of the workers will be done periodically to observe any contractions due to exposure to dust and corrective measures will be taken, if needed.



**Proceedings of the State Environment Impact Assessment Authority
Kerala**

*Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member and Sri. V.S. Senthil I.A.S
Member Secretary.*

Sub: SEIAA- Environmental clearance for the building stone quarry project in Sy. No.249, 249/1, 249/2, at Kondoor Village, Meenachil Taluk, Kottayam District by Sri. M.K. Rasheed – Application- Rejected -Judgment in W.P No. 24357/16 – Decision Reconsidered and E.C granted.

State Environment Impact Assessment Authority, Kerala

No. 793/SEIAA/EC4/1851/2015

Dated: 04/10/2016

- Ref: 1. Application dated 13-5-2015 from Sri. M.K.Rasheed, Managing Partner, Chennad Granites, Chennadu.P.O, Vettikulam, Kottayam (Dist) 686581.
2. Minutes of the 47th meeting of SEAC held on 13/14-10-2015
3. Minutes of the 50th meeting of SEAC held on 30/31-12-2015
4. Minutes of the 53rd meeting of SEAC held on 25/26-2-2016.
5. Minutes of the 52nd meeting of SEIAA held on 29-4-2016.
6. Proceedings No.793/EC4/1851/2015/SEIAA dated 1-6-2016.
7. Review Petition submitted by Sri. M.K. Rasheed on 14-6-2016.
8. Minutes of the 54th meeting of SEIAA held on 21-6-2016.
9. Proceedings No.793/EC4/1851/2015/SEIAA dated 29-7-2016
10. Judgment dated 1-7-2016 of the Hon. High Court of Kerala in W.P No. 24357/2016 filed by Sri. M.K. Rasheed
11. Minutes of the 58th meeting of SEIAA held on 8-9-2016

ENVIRONMENTAL CLEARANCE NO. 16 / 2016

Sri.M.K. Rasheed, Managing Partner, M/s Chennadu Granites, Manackaparambil, Nadackal- 686121 vide his application received on 18-05-2015 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. No.249, 249/1, 249/2 at Kondoor Village, Meenachil Taluk, Kottayam District for lease area of 4.704 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-IA.II(M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category

B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

2. The proposed project site falls Latitude: 09° 38'28.24"N to 09°38'38.49"N, and Longitude: 76°47'31.43" E to 76°47'40.68" E. The current proposal is for the expansion of existing quarry area of 0.5856 ha. The quarry permit for an area of 0.5856 ha in Sy. No. 249, 249/1, 249/2, at Kondoor Village-, Meenachil Taluk, Kottayam District has been granted by Dept. of Mining and Geology vide order no.94/GBS/CRPA/2013-14/2607/DOY2013 dated 26-02-2014. The validity of permit was up to 9-1-2015. Also Pollution Control Board has given consent to extract 50 tonnes per day and the validity of consent is up to 30-6-2015. Other basic details are as follows:

Name of project		Granite (Building Stone) Quarry of M/s. Chennadu Granites
Category/Subcategory & Schedule		"B2" as the proposed lease area is < 5 Ha, 1(a) as per MoEF Notification dated: 14 Sept, 2006 and its amendments
Location Sy no/ district, Taluk/ village etc.		Survey Nos. 249, 249/1, 249/2 at Village- Kondoor, Taluk-Meenachil, District- Kottayam, Kerala.
GPS co-ordinates		The area lies between Latitude: 09° 38'28.24"N to 09°38'38.49"N, and Longitude: 76°47'31.43" E to 76°47'40.68" E.
for Mining projects	Extent of area (in hectares)	4.704 Ha
	Minimum and maximum height of excavation (MSL)	50 MRL & 32 MRL
	Life of mine proposed	14 Years
	Ultimate depth of mining (in MSL)	32 MRL
	Distance from the adjacent quarry	There is no quarry in and around the area.
	Capacity of production	1,50,000 TPA
	Details of Project Cost	2.5 Crore
	Financial Statement including funding source and details of insurance	Source of finding will be self-funding in addition loan from nationalized banks
CRZ recommendations		Not Applicable
Forest clearances		Not Applicable
Does it attract violation proceedings		None
Environment Management Plan/ Eco restoration plan		

	MANAGEMENT PLAN
Air pollution	- Haulage roads in the area are being kept wide, leveled, compacted and properly maintained and water is sprayed regularly during the shift operation to prevent generation of fugitive dust due to movement of vehicles. - Periodic air quality survey is being carried out to monitor the quality and for timely corrective actions. - Lying of haul roads as per the standards to avoid or eliminate air-borne dust. - Watering of haul roads and other roads at regular intervals. - Spraying of water on permanent transport roads at required frequencies. - Provision of green belt by vegetation for trapping dust. - Greenbelt development along the haul roads and along the boundaries of the lease area. - Wet drilling will be followed so that the dust emission to atmosphere is minimized. - Proper blasting pattern will be followed for effective rock fragmentation and generation of minimal fine dust to open atmosphere. Speed of the vehicles would be maintained within the prescribed limits & Trucks would not be over loaded and would be maintained to the body level
Water pollution	Surface Water: The major source of surface water pollution due to mining is insignificant, however the following measures will be undertaken to prevent water pollution:- - Drainage around the mining area would be undertaken so that rain water does not enter the mining pits. - Plantation will be undertaken as per green belt development plan. Ground Water: There would not be any adverse effect on the ground water quality. The rock formation does not contain any harmful element, which could percolate into the ground and pollute the ground water. Hence, no control measures are required. However, regular monitoring of quality in the existing tube wells in the vicinity would be carried out both with reference to area and times intervals to study the hydrodynamics of the strata
Noise	- Use of Personal Protective Equipment's (PPE) i.e., earmuffs and earplugs by workers, working in high noise areas. - The greenbelt with species of rich canopy in the lease area at suitable places and along the roads will further attenuate the noise levels. - Conducting periodical medical checkup of all workers for any noise related health problems. - Proper training to personnel to create awareness about adverse noise level effects. - Planned noise monitoring at suitable locations in the mine and outside location for proper effective remedial actions. - Minimum use of horns and speed limit of 10 kmph - Timely maintenance of vehicles and their silencers to minimize vibration and Sound.

Solid Waste Management	Implement waste management plan that identifies and characterizes every waste arising associated with proposed activities and which identifies the procedures for collection, handling & disposal of each waste arising. During operation phase, Record of solid waste generation, treatment and disposal will be kept.
Eco restoration	It is required to establish a stable ecosystem with both ecological and economic returns, minimization of soil erosion and dust pollution enhances the beauty of the area. To achieve this it is planned to increase plantation activities. The basic objectives of plantations are as follows: - Improvement of Soil quality - Quick vegetative cover to check soil erosion - Conservation of biological diversity
ABOUT THE PROJECT	
Environmental parameters considered	Description
WATER	
Water requirement & sources	About 5.0 KLD of water will be required for Drinking & Domestic use in mine. Green belt development, dust Suppression, Mining and allied activities. Source: Water required for Drinking & Mining activities will be obtained from nearby bore well
RWH units proposed	No, but Plan for managing storm water is there. The storm water runs away through the seasonal streams. Garland drains will be Constructed along the periphery of the pit.
Facilities for liquid waste treatment	No, All the operational workers will be engaged from local or nearby Villages.
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	The study area is situated in hilly terrain, in general water level is shallow during both the monsoon period in valley and topographically low land area during the course of mining activities we are not going the below the general ground level. Therefore the Hydrology of the area is not going to affect in to mining operation.
Water quality meeting requirements	To meet requirements as per rules applicable.
Does it have provisions for use of recycled water	No
LAND	
Proximity to forest lands	Nil
Access road to the site -Width & Condition	Site is accessible by metal road having 7 m width.
Storage of explosives /hazardous substances	No toxic or Hazardous material will be used except explosive or blasting material. Explosives will be stored, transported, handled and used as per MSIHC rules and regulations there under.
Facility for solid waste management.	Implement waste management plan that identifies and Characterizes every waste arising associated with proposed activities and which identifies the procedures for collection, handling & disposal of each waste arising.
Topographic features/slope	Hilly Terrain

Proneness of the area for landslides	No
Significant land disturbance resulting in erosion, subsidence & instability	No
Top soil, overburden etc.	28141 M3 of Top soil and 34812 tons of waste will be generated during life of the mine, it will be kept in the area earmarked for the same. The waste will be used to backfill the part of quarry pit, and soil will be spread over the back filled area; the reclaimed area will be used for Rubber plantation.
AIR	
Air quality meeting requirements	Ambient air quality at the boundary of mine and also near the habitations based on PM10, PM2.5, SO2, NOx, CO parameters of Monitoring, twice in a year at one location the boundary Project Site
Noise level meeting requirements	Noise generated from various mining operation like drilling/blasting/vehicular to be optimized and monitored and Generation of vehicular noise, Noise level recording; Leq (day), Leq (night) as parameters of monitoring, Half yearly (Noise level in dB (A) for day and night time at Two locations one at the boundary of mine and other at the nearby habitations.
Likely emissions affecting environment	The transport vehicles, mining machinery may cause emission. Proper mitigation measures will be taken to minimize the effect. Particulate and gaseous emission from mining operation is envisaged, it will be maintained within limit by proper maintenance and sprinkling of water on haul road. Fugitive dust emission will be generated from loading of mineral.
ENERGY	
Energy requirement	Not Required
Energy Sources	K.S.E.B.
Extent of usage of alternative energy resources	Only HSD is to be used for operation of Machinery, the daily consumption of HSD will be 200 lit.
BIODIVERSITY	
Presence of any endangered species or red listed category	No
Loss of native species and genetic diversity	No Loss to native species or genetic diversity is expected
Likely displacement of fauna	No
Any introduction of alien / invasive species	No
SOCIAL ASPECTS	
Proximity to nearest habitation	Maniyankulam village - 1 Km - NE, Chennadu village - 2 km - ESE. Human Settlement-200 m. S
Sr. No	Particulars for Proposed Common CSR activities
1.	Medical Insurance to Ambedkar Colony, Chettuthode (Thidnadu Panchayat - Approximately 16 Families residing at the colony)
2.	Medical Insurance to 6 Families residing at scheduled caste colony located at Trippikavu (Thidnadu Panchayat)

3.	Donation to PHC Palliative Care Unit (Thidanadu Panchayat) for purchase of 10 wheel chairs & medicines
4.	Donation to Govt High School, Thidanadu (For Construction of Toilets and Organic vegetable garden)
5.	Construction of Bus Waiting Shelter Near MES Collage located at Thidanadu – Maniyamkulam Rd
6.	Maintenance of Thidanu – Maniyamkulam Rd (Approx 500 m)
GENERAL	
Litigation/court cases, if any, against the project (provide details)	Nil as declared
Details of Authorised Signatory	Sri. M.K. Rasheed Managing Partner Manackaparambil (H) Nadackal P.O., Erattupatta Kottayam District, Kerala Phone No.9847027900 Email: manackalrasheed@gmail.com
Details of NABET approved consultant organization	M/s Overseas Min-Tech Consultants. 501, 5th floor, Apex Tower, Tonk Road, Jaipur (Raj.), Pin-302015, Rajasthan, India Email: info@overseasminitech.com Mo: 08233335564

3. The proposal was placed in the 47th meeting of SEAC held on 13/14-10-2015. The Committee deferred the case since the proponent was absent. The proposal was again placed in the 50th meeting of SEAC held on 7/8-12-2015. The Committee decided to defer the item for field visit and the production of a revised CSR proposal. Field inspection was conducted on 30.01.2016 by the subcommittee members. Field inspection details are given below:

"The project is located at about 2 km east of Thidanad. This quarry lease area of 4.704 ha falling in own land occupy the northern slopes of a hill ridge exposing hard rock. Boundary pillars are erected and numbered displaying GPS values. The rock type is variants of charnockite. The lease area is to be developed fresh but shows a small part from where quarrying was initiated. The thickness of OB and top soil varies from nil to about 2 m. The storm water from the entire area is likely to be concentrated in a hollow in the lower part close to the entrance from where it flows west to meet the stream. Rubber plantation is the dominant landuse but Anjili trees are seen interspersed. Floral and faunal biodiversity is not observed as the area is cleared. One dwelling units is seen within 100 m on the eastern side for which negotiations are on for purchase.

Based on an overall evaluation of the site, EC may be recommended with following conditions:

- 1. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.*
- 2. The water draining into the valley will need clarification once the quarry is in operation. It must be managed by providing a RWH/desiltation*

structure. A catch water drain is needed on the lower slopes leading to the desiltation structure.

- 3. The approach road is narrow and need to be widened. It should be maintained for the movement of heavy vehicles.*
- 4. The CSR activity needs revision addressing the needs of the locality. " Revised CSR as per 50th SEAC meeting is not submitted. Now the proposal is placed before SEAC for appraisal."*

The proposal was considered in the 53rd meeting of SEAC held on 25th and 26th February 2016. The Committee further appraised the proposal in the light of the field inspection report, Form-I, Mining Plan and other details furnished by the proponent. It was decided to recommend to SEIAA for issuance of E.C after completion of action against violation subject to the following specific conditions.

1. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.
2. The water draining into the valley will need clarification once the quarry is in operation. It must be managed by providing a RWH/desiltation structure. A catch water drain is needed on the lower slopes leading to the desiltation structure.
3. The approach road is narrow and need to be widened. It should be maintained for the movement of heavy vehicles.
4. The CSR activity needs revision addressing the needs of the locality
5. The proponent shall resolve the issue of dwelling unit located within 100 mtrs away on the eastern side of the project site.

4. SEIAA examined the recommendations in its 52nd meeting held on 29-4-2016. The Authority examined the recommendations. The Inspection Report clearly indicates the existence of a dwelling unit within 100 meters on the eastern side. Authority therefore decided to reject the proposal. Pursuantly the proceedings read as 6th paper was issued rejecting the proposal. Thereon the proponent submitted the review petition read as 7th paper, informing that the dwelling unit, presence of which was the reason for rejection of his application has since been demolished. This fact has since been certified by the village Officer, Thidanad, Kottayam District. Authority assessed that there is no provision to 'review' the decision of SEIAA. The decision was maintainable as on 29-4-2016 the date of decision by SEIAA in the 52nd meeting. The petitioner may either approach the NGT with Appeal or make fresh application to the District Collector, Kottayam for disposal by DEAC/DEIAA. The decision was conveyed in the proceedings 9th cited. On 12/08/2016, the Authority received a letter dated 11/08/2016 from Sri. M.K Rasheed, enclosing a copy of the Judgment 10th cited. The Hon. High Court held that this is a fit case which required reconsideration especially on account of the fact that the reason for denial is not in existence. The High Court set aside the order 6th cited rejecting the application for E.C. It was directed to reconsider the request of the petitioner for Environmental Clearance after taking consideration of the certificates etc. produced by the petitioner to prove that the building within 100 meters of the periphery of the quarry was demolished; after hearing the parties, within one month.

5. Accordingly the Authority heard Sri.M.K. Rasheed on 8-9-2016 in the 58th meeting. The 53rd meeting of SEAC held on 25/26-2-2016 recommended a condition that, *'The proponent shall resolve the issue of dwelling unit located within 100 mtrs away on the eastern side of the project site'*. The Inspection Report clearly indicated the existence of a dwelling unit within 100 meters on the eastern side. The proponent submitted that he had purchased the land before 29-1-2016, when the experts of SEAC visited the site. But the registration of sale deed was not done. As per the direction of the subcommittee that conducted site visit, a joint affidavit with the seller was submitted. M&G Department has granted LoI, but lease has not been received. There are no complaints against the quarry

6. The Authority noted that, in its 54th meeting held on 21-06-2016 the Authority had considered the review petition dated 14-6-2016. The statements recorded in the hearing were also assessed. As there is no provision to 'review' the decision of SEIAA, the review petition was rejected; vide proceedings No.793/EC4/1851/2015/SEIAA dated 29/07/2016. However in the wake of the judgment referred to above, copy of location sketch attested by Tahsildar, Meenachil Taluk, report of Secretary Thidnadu Grama Panchayat, and report dated 1-6-2016 of Village Officer, Kondoor which have been produced in evidence that the dwelling unit has been demolished, the decisions conveyed in the proceedings were reconsidered. The Authority after hearing the proponent and examining the documents produced decided to grant of E.C subject to the specific conditions of SEAC and general conditions.

7. Environmental clearance under the EIA notification 2006 is therefore granted to the quarry project of Sri. M.K. Rasheed, Managing Partner, M/s Chennadu Granites, Manackaparambil, Nadackal- 686121 in Sy. No. 249, 249/1, 249/2 at Kondoor Village, Meenachil Taluk, Kottayam District for lease area of 4.704 hectares, subject to the specific conditions in para 3 above and the general conditions for mining projects. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in the Pre Feasibility Report (Chapter 4) mining features chapter 4 of mining plan on mining, chapter 5 (blasting) Chapter 6 (drainage), chapter 7 (staking of mineral rejects and disposal of wastes) and Environment Management Plan in the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and affidavits will be deemed to be part of this proceedings as if incorporated herein.

8. Validity of the clearance shall be five years subject to earlier review of the E.C in case of violation or non compliance of conditions or genuine complaints from residents within the security area of the quarry.

9. Compliance of the conditions herein will be monitored by the Authority or its agencies and also by the regional office of the Ministry of Environment & Forests, Govt. of India, Bangalore.

i. 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.

ii. Instances of violation if any shall be reported to the Authority or District Collector Kottayam to take legal action under the Environment (Protection) Act-1986.

10. The given address for correspondence with the authorised signatory of the project is Sri. M.K. Rasheed, Managing Partner, Manackaparambil, Nadakal P.O., Kottayam-686121.

11. The proceedings read above are cancelled.

Sd/-
V.S. SENTHIL I.A.S
Member Secretary, SEIAA

To,
✓ Sri.M.K. Rasheed,
Managing partner,
Chennadu Granites
Manackaparambil,
Nadakal P.O.,
Kottayam-686121.

Copy to

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore. 560034.
2. District Collector, Malappuram Kottayam.
3. Director, Mining & Geology, Thiruvananthapuram-4.
4. Secretary, Thidanadu Grama Panchayat, Kottayam-686123.
5. Adll. Chief Secretary, Environment department
6. O/C
7. S/F
8. Website

Forwarded/ By Order

Rajendran

Administrator,
SEIAA



The copy
to the
9
AGRICULTURE, DISTRICT
KRISHI BHAVAN
(Department of Agriculture, Kerala)
POONJAR THEKKERARA, KOTTAYAM-686124
M. A. R. N. K.
02.12.2011

ANNEXURE 2 - ENVIRONMENTAL MONITORING CELL

An environmental monitoring cell was formed with Mr. M. K. RASHEED head of the monitoring cell and made functional. Meeting of monitoring cell is arranged monthly and discuss the status of the compliance of the specific and general conditions contained in the Environmental clearance order. The details of the monitoring cell members are given below:

Sl. No.	Post	Name
1	Head of the monitoring cell	Mr. M. K. RASHEED (Managing Partner)
2	Head in charge (Environment)	Mr. Fayiz Muhammed, General manager
3	Senior Environmental Officer	Mr. Azharudheen M. R, Safety in charge
4	Name of the officer Environment, Health and safety	Mr. Azharudheen M. R, Safety in charge
5	Name of the Assistant Officer of Environment, Health and safety	Mr. Althaf Kareem, Health & Safety
6	Name of the Mining Mates	Mr. L Selvamani, Mining Mates
7	Name of the environment laboratory	M/s Standards Environmental Analytical Laboratories
8	Address of Environmental laboratory	K J Tower, Pathalam, Ernakulam District, Kerala.

PROCEEDINGS OF THE MEMBERS, M/s CHENNADU GRANITES.

SUB:- Compliance of conditions and constitution of Monitoring Cell - orders issued
Read:- Order no. 161/2016 (FILE NO: 793/SEIAA/EC4/1851/2015, DATED: 04-10-2016)

Attention is invited to the general conditions of Environment Clearance order issued in favour of M/s CHENNADU GRANITES. Vide reference cited in which Environmental Clearance is issued for carrying out mining activities in quarry projects at Kondoor Village, Meenachil Taluk, Kottayam District. The EC was issued subject to certain conditions. Among other things 61 general conditions are also stipulated in the Order for the compliance of the Company in addition to the Special Conditions as a pre - requisite for mining activities. In the circumstances the following orders are issued with immediate effect for the observance of Quarry staff.

The Director, Quarry Manager, Mines Manager, Supervisors, Blast man etc., and all other quarry staff have the responsibility to comply with the instructions of SEIAA properly in the matter of mining. So all concerned are requested to comply with the conditions stipulated in the Environment Clearance Order issued by the mining activities. Any violation of the conditions will be viewed seriously and stringent action taken against those who are responsible for the violation. All members of the Cell are requested to go through the conditions in the order carefully.

As per condition no 2 of the General conditions a Monitoring Cell has to be formed and made functional to ensure that mining is done after observing all the conditions stipulated by the SEIAA. In the circumstances a Monitoring Cell consisting of the following members is constituted with immediate effect.

- | | | |
|----|------------------|--------------------|
| 1. | General manager | - Fayiz Muhammed |
| 2. | Safety in charge | - Azharudheen M. R |
| 3. | Health & Safety | - Althaf Kareem |
| 4. | Mining Mates | - L Selvamani |

All members of the Monitoring Cell are requested to go through the conditions in the Order carefully

The duties and responsibilities of Environment Monitoring Cell are as follows.\

1. To ensure that the general conditions and special conditions stipulated in the EC Order are strictly observed.
2. A monthly compliance report certifying that all the instructions in the EC order are strictly followed should be forwarded to the Director duly signed by all the members.
3. Violations by Blast man or any other quarry staff should be brought to the notice of Director urgently.

A copy of Order no. 161/2016 (FILE NO: 793/SEIAA/EC4/1851/2015, DATED: 04-10-2016) of SEIAA is attached for reference of the members of Monitoring Cell.



M. K. RASHEED

To,

1. Fayiz Muhammed, General Manager
2. Azharudheen M. R, Safety in charge
3. Althaf Kareem, Health & Safety
4. L Selvamani, Mining Mates

ANNEXURE 3

Natural vegetation including trees, shrubs and herbs present in the quarry site are mentioned in the table below: -

SL.NO	SCIENTIFIC NAME	COMMON NAME	FAMILY
1	<i>Hevea Brasiliensis</i>	Rubber	Euphorbiaceae
2	<i>Tectona grandis</i>	Teak	Lamiaceae

FILE NO : KSPCB/KT/ICO/10021380/2023

Date of issue : 22-02-2023



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. : 10021380

Dated : 07-02-2023

To

CHENNADU GRANITES

Chennadu P.O., Kottayam- 686581

Consent No. : KSPCB/KT/ICO/10021380/2023

Valid Upto : 03-10-2027

1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit

1	VALIDITY	03-10-2027
2	Name and Address of the establishment	CHENNADU GRANITES Chennadu P.O., Kottayam- 686581 E-Mail : fayizbinsadhar@gmail.com Contact Number : 8095700026
3	Occupier Details	M.K RASHEED 7/301, MANAKKAPARAMBIL, NADACKAL P.O 686121 E-Mail : onlinepcbktm@gmail.com Contact Number :
4	Local Body	THIDANADU
5	Survey Number	249/1,249/2,249
6	Village	Kondoor
7	Taluk	Meenachil
8	District	KOTTAYAM
9	Capital Investment(Rs in Lakhs)	250.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	32500.0
	Total Fee remitted(Rs)	178750.0
13	Activity	Granite Rubbles-500 Metric Tonnes/Day
14	Machinery details	TOTAL MACHINERY = 300 HP

2. Conditions as Per The Water(Prevention and Control of Pollution)Act, 1974

2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the proposal submitted along with the application shall be made functional before commissioning. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.

2.2 Water Consumption: 15000 LPD

2.3 Effluent Generation: 4000LPD

2.4 Sewage / waste water with only organic contaminant if any, generated in the unit, shall be discharged through scientifically designed septic tank and soak pit system as per the follows IS code.

i. Septic tank as per IS 2470 (Part 1): 1985.

ii. Soak pit with sealed bottom, honey comb side wall 65 cm thick 2 mm sand all around.

Mode of disposal of treated effluent: Soak pit

2.5 Soak pit shall be at least 10 m away from the water intake well/nearby drinking water wells

3. Conditions as Per The Air(Prevention and Control of Pollution)Act, 1981

3.1 Adequate air pollution control measures shall be provided before commissioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be installed.

3.2 Emission characteristics shall not exceed ambient air quality specified by national air quality standard

3.3 All operations likely to produce dust or noise shall be carried out within sufficiently closed and insulated area

3.4 The PM₁₀ in ambient air at the boundary shall not exceed 100 microgram / m³

3.5 The PM_{2.5} in ambient air at the boundary shall not exceed 60 microgram/m³

3.6 There shall not be any fugitive emission from the premises

3.7 The D. G. sets shall be provided with a minimum chimney height $0.2\sqrt{\text{KVA}}$ meters above roof level of the highest nearby building (Where KVA is the capacities of all DG sets). The D. G. sets shall be placed at a minimum distance of $\sqrt{\text{KVA}/2}$ meters from the neighbouring residences / worship places / institutions (where KVA is the capacity of DG sets).

4. Conditions as Per The Environment (Protection) Act, 1986.

4.1 The construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000. The sound level measured 1 m outside the boundary of the unit shall not exceed the National ambient noise standards applicable to adjoining area.

4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. NA

4.4 e-waste shall be disposed of safely as per the E-Waste (Management) Rules, 2016.

4.5 Proper Solid waste management system shall be provided in the unit, arrangements for collection, segregation, storage, handling and disposal of solid Waste including garbage shall be provided as per SWM Rules 2016 and the facility shall be maintained properly.

5. GENERAL CONDITIONS

5.1 This consent is granted subject to the power of the Board to review and make variations in all or any of the conditions as per section 21(6) of the Air (Prevention & Control) of Pollution Act 1981 & section 27 of the Water (Prevention & Control) of Pollution Act 1974.

5.2 Green belt of sufficient height shall be provided with fast growing species such as bamboos for preventing dust and noise pollution.

5.3 For renewal of the consent in case of continuance of operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board for renewing the Consent on or before two months in advance to expiry date. Late application will be accepted with 10% (for application before expiry date) & 50% of yearly fee as late fee for application after due date.

5.4. The occupier shall comply with all the environmental rules and the related act stipulated by the government, relevant instructions issued by the Board in time to time for the prevention and control of pollution and protection of environment.

5.5 No change or alteration of the unit or equipment capacity shall be made without the prior permission of the Board. Any change in the particulars furnished in the references or in the identity of the occupier / authorised agent is to be intimated to the Board forthwith.

5.6 Adequate green cover and green belt shall be provided in the unit with continual improvement of number of trees and vegetation in and around the campus. Nonconventional energy sources (solar, wind, biogas, etc) shall be utilized to the maximum extent to meet the energy need.

5.7 Location of the unit shall be as shown in the drawing attached. No change or alteration to the above shall be made without obtaining prior permission from the board.

5.8 Maintain hygienic condition and good housekeeping practices shall be maintained in and around the unit.

5.9 Set back as per rules shall be provided between the boundary and the building.

5.10 This consent is granted based on the particulars and affidavit submitted by the Entrepreneur and any violation/non-compliance/submission of false information will lead to cancellation of consent and

stringent action against the applicant and occupier. In the case of noncompliance of integrated consent conditions, the consent issued will be withdrawn/cancelled, and fee will be lapsed automatically.

5.11 The consented shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions.

5.12 The occupier shall comply with all the environmental rules and the related act stipulated by the government, relevant instructions Board may issue from time to time for the prevention and control of pollution and protection of environment.

5.13 Arrangements of rain water harvesting including open pond/ well / Bore well/ Ground water recharging shall be provided. Rain water harvesting facility of sufficient capacity shall be installed in the unit within three months to meet the total water need of the unit and photos of the same shall be submitted in this office via e-mail: onlinepcbktm@gmail.com.

6. SPECIFIC CONDITIONS

6.1 "The consent issued from the Board will be valid only for a period during 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".

6.2 All the Conditions given in the Environmental clearance shall be strictly complied with, A copy of compliance report shall be submitted to the district office in regular interval specified in the EC.

6.3 Mining shall be only done as per the approved mining plan and approval of district geologist.

6.4 Annual environmental statement shall be submitted on or before 31 st March every year.

6.5 Regular wetting of the road in the premises of the unit quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary.

6.6 There shall not carry out any mining activity between 6.00 pm to 6.00 am.

6.7 There shall be a minimum distance of 50m 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 as per PCB/HO/CIRCULAR-01/03/2017, dated 10/10/2017.

6.8 Boundary shall be fenced before operation of quarrying activities.

6.9 Suitable species of trees and certain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment. And reduce air and noise pollution.

6.10 Bench cutting method shall be adopted for quarrying. Blasting shall be done with electronic detonators and prior signals in specified time.

6.11 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.

6.12 Adequate safety measures shall be provided in accordance with the fire & safety regulations.

6.13 After completion of mining, the mining area shall be reclaimed as per approved mine closure plan.

6.14 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.

6.15 No other machineries, other than that specified in the consent shall be operated in the quarry without prior Consent of the Board.

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER

ANNEXURE-5



തിടനാട് ഗ്രാമപഞ്ചായത്ത്

കോട്ടയം, പിൻ - 686 123

ഫോൺ : 04822 272068

നമ്പർ

പ്രേഷിതൻ

ജോഷി ജോർജ് പ്ലാന്റേറ്റിൽ

രേഞ്ച്, വാർഡ് 4 - വെയിൽകാണാപാറ

മൊബൈൽ : 8086272499

തീയതി 3/12/2022

സ്വീകർത്താവ്

Menon
Chemical growth

സർ,

വിഷയം: സംഭാവന സംബന്ധിച്ച്

സൂചന:

തിടനാട് ഗ്രാമപഞ്ചായത്ത് IV-ാം ഓഫീസിലെ ഡി.
വിജയകുമാർ രാമി സഹകർമ്മത്തിനായി ജനറൽ ട്രാൻസാക്ടൻസ്
മുദ്രകിനാളിനും രൂപാ (Rs-30000/-) സംഭാവനയായി
നൽകി സാക്ഷ്യപ്പെടുത്തുന്നു.

Joshi George

GOVT.VOCATIONAL HIGHER SECONDARY SCHOOL THIDANAD

PHONE:9400433755

E-Mail : gvhssthidanad@gmail.com

No.:Ms1/2022-23

Date: 30/03/2023

പ്രിൻസിപ്പൽ
പി.റ്റി.എ. കമ്മറ്റി
ഗവ.വി.എച്ച്.എസ്.എസ്. തിടനാട്

സ്വീകർത്താവ്
മാനേജർ
ചോന്നാട് ഗ്രാമപഞ്ചായത്ത്
സർ,

വിഷയം: ചോന്നാട് ഗ്രാമപഞ്ചായത്ത് നിന്ന് സി.എസ്.ആർ.എസ്. സഹായം ലഭിച്ചത് സംബന്ധിച്ച്

സൂചന: 1. കൺവീനർ, ഗ്രൗണ്ട് നിർമ്മാണ കമ്മിറ്റിയുടെ കത്ത്

2. എ.ഇ.യുടെ വാല്യുവേഷൻ കത്ത്

3. ചോന്നാട് ഗ്രാമപഞ്ചായത്ത് രീറ്റ 28/03/2023 വേകത്ത്

നമ്മുടെ സ്കൂൾ ഗ്രൗണ്ട് നിർമ്മാണ പ്രവർത്തികൾക്കായി ചോന്നാട് ഗ്രാമപഞ്ചായത്ത് നിന്ന് ഒന്നാം ഘട്ടം എന്ന നിലയിൽ Rs.771000/- (എച്ച് ലക്ഷത്തി എഴുപതൊന്നായിരം രൂപ) രൂപയുടെ സഹായം ലഭിച്ചതായി ഗ്രൗണ്ട് നിർമ്മാണ കമ്മിറ്റി അറിയിച്ചിരുന്നു. സ്കൂൾ ഗ്രൗണ്ടും പരിസരവും പെയിന്റിംഗ് ബോർഡ് സ്ഥാപിക്കുന്നതിനാവശ്യമായ സാധന സാമഗ്രികൾ വാങ്ങൽ ബോർഡർ ചാർജ് തുടങ്ങിയതിനായി 709400/- (എച്ച് ലക്ഷത്തി നൂറ്റിനായിരത്തി നാല്പതു രൂപ) രൂപയുടെ സഹായം കൂടി ലഭിച്ചതായി ഗ്രൗണ്ട് നിർമ്മാണ കമ്മിറ്റി അറിയിച്ചിട്ടുണ്ട്. എച്ച് ലക്ഷത്തി രൂപയിനായിരം രൂപയുടെ പ്രവർത്തികൾ സ്കൂൾ ഗ്രൗണ്ടും പരിസരവും പെയിന്റിംഗ് ബോർഡ് സ്ഥാപിക്കുന്നതിനാവശ്യമായ സാധന സാമഗ്രികൾ വാങ്ങൽ ബോർഡർ ചാർജ് മെയിന്റനൻസ് തുടങ്ങിയതിനായി നടന്നിട്ടുള്ളതായി അസിസ്റ്റന്റ് എഞ്ചിനീയറുടെ വാല്യുവേഷൻ നമുക്ക് ലഭിച്ചിട്ടുണ്ട്. ആകെ 148000 രൂപയുടെ പ്രവർത്തികൾ നടന്നിട്ടുള്ളതായി സാക്ഷ്യപ്പെടുത്തുന്നു. തുടർന്നും സ്കൂളിന്റെ ആവശ്യങ്ങൾക്കായി താങ്കളുടെ സഹായം ഉണ്ടാകുമെന്ന് പ്രതീക്ഷിക്കുന്നു. താങ്കളുടെ സ്ഥാപനത്തിന്റെ സഹായം സ്വീകരിക്കാൻ ഞങ്ങളുടെ സ്കൂളിന്റെ പേരിലുള്ള നന്ദി അറിയിക്കുന്നു.

വിശ്വസ്തതയോടെ

പി.റ്റി.എ. കമ്മറ്റിക്ക് വേണ്ടി

PTA PRESIDENT
GOVT.VHS THIDANAD



Headmistress
Govt. V.H.S School Thidanad



തിടനാട് ഗ്രാമപഞ്ചായത്ത്

കോട്ടയം, പിൻ - 686 123

ഫോൺ : 04822 272068

നമ്പർ

പ്രപകിതൻ

ജോഷി ജോർജ് പ്ലാത്തോട്ടത്തിൽ

വൈൽ, വാർഡ് 4 - വെയിൽകാണാപാറ

മൊബൈൽ : 8086272499

തീയതി 6.1.2022

സ്വീകർത്താവ്

Mianaga
Chennu de gnanu

സർ,

വിഷയം

സ്വപന

തിടനാട് ഗ്രാമപഞ്ചായത്ത് IV- ഷെഡ്യൂൾഡ്
പ്രവർത്തിക്കുന്ന ബെങ്കിംഗ് കമ്പനിയിൽ നിന്ന്
പാക്കേജം അനുവദിച്ചതിൽ പണി കഴിയില്ലെന്നും
ചെക്ക് സാരിന് സരിയടത്തും. ഈ പണി കഴിഞ്ഞ ശേഷം
മേലിൽ ചെക്ക് സാരിന് സരിയടത്തും മറ്റും. ചെക്ക്
പസ്റ്റ് നൽകി വാങ്ങിയിട്ടുള്ളതും. ചെക്ക് പാക്കേജം
കീഴിൽ ചെട്ടുവർഷം മുമ്പ് ഗ്രാമപഞ്ചായത്ത് C. S. R
ഫണ്ടിൽ നിന്നും Rs. 30000/- രൂപ തുക സമാഹരിച്ചിട്ടുണ്ട്.

പാസ് വെയർ മേയ്ക്കിംഗ്

Signature

ജോഷി പ്രവീണ് K. K. ദിവിറ്റ് Diba



ANNEXURE-6

നമ്പർ: 162/2022-2023/JC1/872/23

തീയതി: 27/02/2023

തിടനാട് ഗ്രാമപഞ്ചായത്ത്

തിടനാട് പി.ഒ., കോട്ടയം (ജില്ല)

പിൻ: 686123, ഫോൺ: 04822-272068, ഇ-മെയിൽ: tdndetpaktm@gmail.com

വ്യവസായം, വാണിജ്യം, സംരക്ഷകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്

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

ലൈസൻസിയുടെപേര്	എം കെ റെഷിദ്(മാനേജിംഗ് പാർട്ട്നർ ചേന്നാട് ഗ്രാനൈറ്റ്സ്)		
ലൈസൻസിയുടെ മേൽവിലാസം	മനയ്ക്കപ്പറമ്പിൽ, ഈരാറ്റുപേട്ട നടയ്ക്കൽ പി ഒ		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	ചേന്നാട് ഗ്രാനൈറ്റ്സ്		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറപൊട്ടിക്കുന്നതിന്		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	IV/45/249(1)(2),248(5)a,249		
ലൈസൻസ് കാലാവധി	27/02/2023	മുതൽ	31/03/2027 വരെ
ലൈസൻസ് ഫീസ് മോട്ടോർ ഫീസ് തൊഴിൽ നികുതി	തുക	രസീത് നമ്പർ	തീയതി
	60000 /- രൂപ	1220103348	27/02/2023
	10000 /- രൂപ	1220103348	27/02/2023
ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	1. ബഹു. ഹൈക്കോടതിയുടെ 14/02/2023 ലെ WP(C) നം 4900 ഓഫ് 2023 (ജെ) ഉത്തരവ് 2.KSPCB VALID UPTO 03/10/2027 2. 3.LICENCE FOR LE3 VALID UPTO 31.03.2027 3. 4.QUARRYING LEASE EXECUTANT VALID UPTO 14.01.2029 5. MINING MATES CERTIFICATE OF COMPETENCY		



എം. കെ. റെഷിദ്
സെക്രട്ടറി,
തിടനാട് ഗ്രാമപഞ്ചായത്ത്
കോട്ടയം, പിൻ - 686123
മൊബൈൽ: 9447036070

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 പൊതുജനോപദ്രവമാക്കാത്ത വിധത്തിലും വ്യപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാക്കാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
- 6 ഒരോ പ്രവർത്തിദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
- 7 ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വിഴുതയോ നീക്കുപിടിക്കുകയോ 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 തെറിച്ചുവിഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും, ഉപദ്രവകരവുമായ 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 അയിത്തം 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. (കെ) 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, ഗുഡ്ബ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
- 16 ബാലവേല അനുവദിക്കാൻ പാടില്ല.
- 17 മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.



എം. സാമുവൽ
സെക്രട്ടറി
തിരുവനന്തപുരം പഞ്ചായത്ത്
തിരുവനന്തപുരം, കേരളം
ഫോൺ: 235044683

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

सत्यमेव जयते

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
जिनकी जन्म तिथि
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 भेट सक्षमता प्रमाण-पत्र
प्रदान किया जाता है।

Shri **L SELVAMANI** son of **P LAKSHMANAN**
born on **21st JUNE, 1975** 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 **DGMS OFFICE, GOR**
centre on **26-06-2016** is hereby granted MINING MATE'S CERTIFICATE OF
COMPETENCY restricted to mines having opencast workings only.

बाएं निशान
Left hand urna impression

K. Neer 24/2/16

अंचल सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining
Examinations

Rahul Gaba

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Bharatpur

Signed and Sealed
Date 30-11-2016

MR

To

shri L SELVAMANI

Home Address

Village THOKKAVADI
PO THOKKAVADI
Police Station THIRUCHENGODU
District NAMAKKAL
State TAMILNADU

प्रमाणित किया जाता है कि उनकी सक्षम चिकित्सा अधिकारी द्वारा स्वास्थ्य परीक्षा कर
खान में कार्य करने के लिए स्वस्थ घोषित किया जाता है।

Certified that he has been examined by qualified medical
officer and declared fit for employment in mines.

1	_____ को	2	_____ को
On		On	
3	_____ को	4	_____ को
On		On	
5	_____ को	6	_____ को
On		On	
7	_____ को	8	_____ को
On		On	
9	_____ को	10	_____ को

Prepared by

Checked by



ANNEXURE-8

अनुज्ञप्ति प्रष्ठांकित
LICENCE ENDORSED

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

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग I के अनुच्छेद 3(क) से (घ) देखिए।)
(See article 3(a) to (d) of Part I 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 मेगजीन 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/SE/KL/22/364(E142518)
वार्षिक फीस रूपए (Annual Fee Rs) : 2400/-

[Signature]
F. C. C. E., Ernakulam
ड. कु. वि. नि. इरनाकुलम

1. Licence is hereby granted to

Chennadu Granites (अधिभोगी / Occupier : M K Rasheed), Chennadu Post, Kondoor Village, Kottayam, Town/Village - Kondoor,
District-KOTTAYAM, State-Kerala, Pincode - 686581



को अनुज्ञप्ति अनुदत्त की जाती है।

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

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमाम्य है। : possess for use of Nitrate Mixture, Safety Fuse, Detonators, - के
Licence is valid only for the following purpose. उपयोग के लिए

4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमाम्य 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	300 Kg.
2.	Safety Fuse	6, 1	0	1000 Mtrs
3.	Detonators	6, 3	0	10000 Nos.

3 times
as above.

(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)] :

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है। : रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/364(E142518)
The licensed premises shall conform to the following drawing(s) : दिनांक (Dated) 30/08/2022

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

Survey No. 171, Block No. 71, ग्राम (Town/Village) : Poonjar पुलिस थाना (Police Station) : Thidnadu
जिला (District) : KOTTAYAM राज्य (State) : Kerala पिनकोड (Pincode) : 686121
दूरभाष (Phone) : ई. मेल (E-Mail) : फैक्स (Fax) :

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

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

additional conditions and the following Annexures.

- उपपुस्तक 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.
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2027 तक विधिमाम्य रहेगी। This licence shall remain valid till 31st day of March 2027.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिकमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।
This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII,

wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 30/08/2022

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

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

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडित 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.

Digitally signed by Dr. P. K. RANA
Reason : Licence No. : E/SE/KL/22/364
Location : Ernakulam [E142518]
Date : 2022.08.30 04:44:47 +05:30

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

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SE/KL/22/364(E142518) in form LE-3 granted to Chennadu Granites, Chennadu Post, Kondoor Village, Kottayam, Kerala-686121 .

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)		M	UM
1	Room or Workshop used in Connection with the Magazine	16	24
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		45
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		68
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		68
28	Electric Power over head Transmission Lines upto 440V		15

The Date : 30/08/2022

For Dy. Chief Controller of Explosives
Ernakulam

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

Digitally signed by Dr. P. K. RANA
Reason: Licence No. : E/SE/KL/22/364
Location: Ernakulam [E142518]
Date: 2022.08.30 04:45:19 +05:30

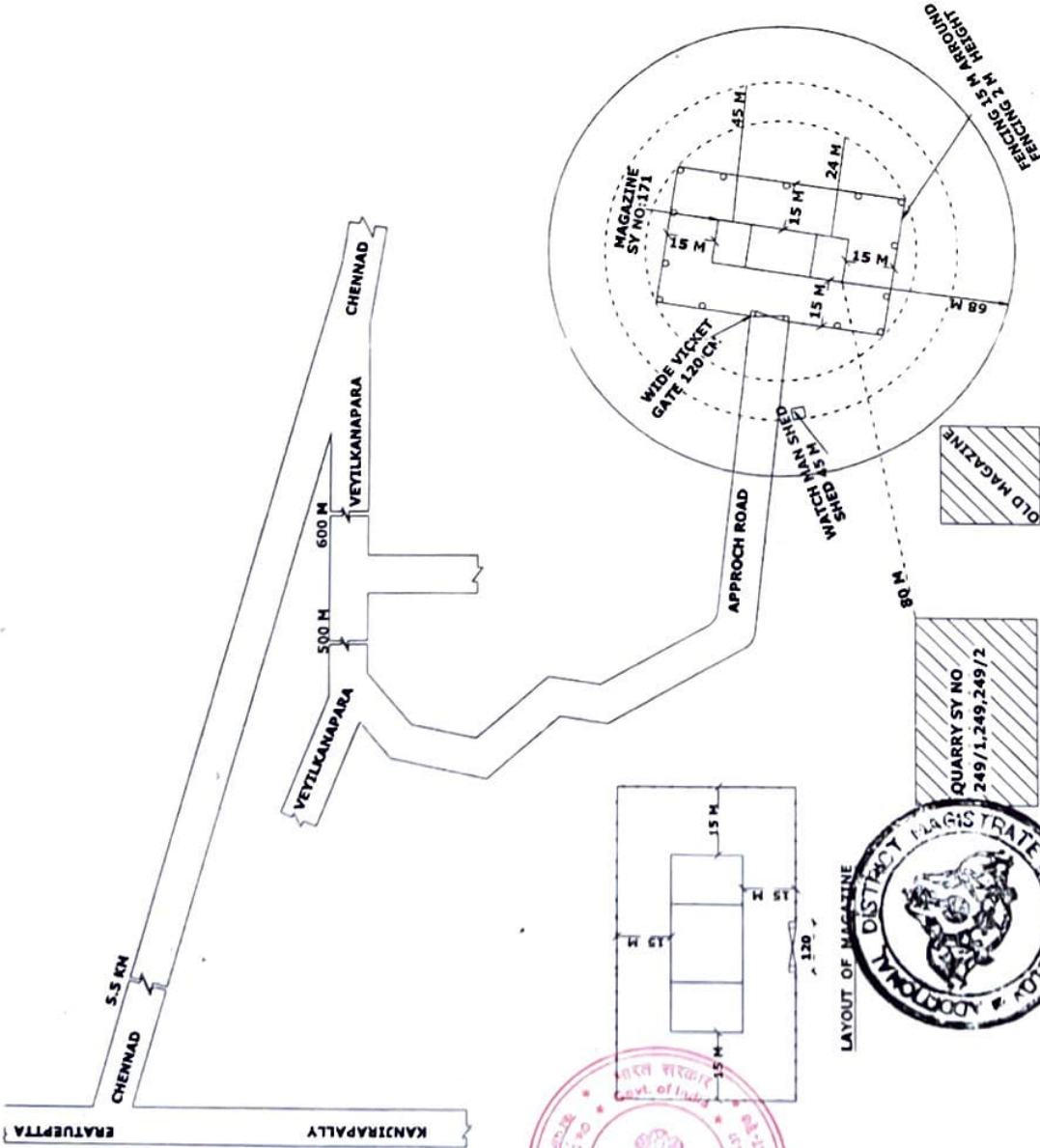
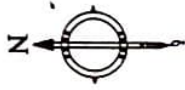
अनुच्छेद 1, 2, 3, 4, 5, 6, और 7 के विस्फोटकों को विक्री या प्रयोग हेतु रखने के लिए प्रत्येक एल.ई. 3 (अनुच्छेद 3 (ख) से (ग)) में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञापन सं. E/SE/KL/22/364(E142518) की शर्तें निम्नलिखित हैं।
 The following are the conditions of licence number E/SE/KL/22/364(E142518) to possess for sale or use, explosives of Class 1, 2, 3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

- परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।
 The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
- विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञापन के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।
 The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
- मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञापन 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.
- पैकजों को खोलने का कार्य और विस्फोटकों को तोलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
 The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक् कर दिया जाए कि किसी बजह 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 पत्तीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पत्तीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थापन के रखे जा सकते हैं।
 (ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।
 (च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
 Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other. Provided that—
 (d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space;
 (e) Detonators belonging to Class 6 Division 3 shall be kept separately
 (f) Gun powder belonging to Class 1 shall be kept separately
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मजूरी के मैगजीन में नहीं रखा जाएगा।
 Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मजूरी दे दी हो।
 (i) जब ऐसी मजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राय कर लिया जाए जिसमें दी गई मजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञापिधारी 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 ग्लैसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिह्न प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञापिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।
 Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.
 (i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.
 (ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
- मैगजीन के भीतरी भाग या उसमें लगी बेंचों, 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.
- यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापिधारी ऐसे परीक्षण के लिए विहित फीस का संचाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उसनी ही फीस अनुज्ञापिधारी द्वारा पश्चात्तर्ती प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के लिए गए सभी परीक्षणों के लिए प्रभार्य होगा।
 परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है।
 If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory.
 Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day.
 Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.
- उपयुक्त तथा जब 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.

SITE PLAN SHOWING PROPOSED EXPLOSIVE MAGAZINE FOR 300 KG CLASS II EXPLOSIVE, ORDINARY DETANATOR 2000 NOS, ELECTRIC DETANATOR 5000 NOS, NONEL 3000 AND 1000 MTR SAFETY FUSE AT KERALA STATE, KOTTAYAM DIST, MEENACHIL TALUK, POONJAR VILLAGE, IN SY.NO: 171

395202/2022/FC

24/05/2022



NAME AND ADDRESS OF APPLICANT
SRI : M.K.RASHEED
MANACKAPARAMBIL
NADACKAL P.O.
KOTTAYAM DIST
KERALA PIN: 686 581

MAGAZINE PREMISE'S DETAILS

STATE - KERALA
DISTRICT - KOTTAYAM
TALUK - MEENACHIL
VILLAGE - POONJAR
SY.NO - 171

QUARRY DETAILS

STATE - KERALA
DISTRICT - KOTTAYAM
TALUK - MEENACHIL
VILLAGE - KONDOOR
SY.NO - 249/1,249,249/2

NAME AND SIGNATURE OF APPLICANT :
M.K.RASHEED

SIGNATURE OF PROPRIETOR

DRAWIN NO : D-27/28
DATE : 28/01/2021

COUNTER SIGNED,

TAHSILDAR MEENACHIL

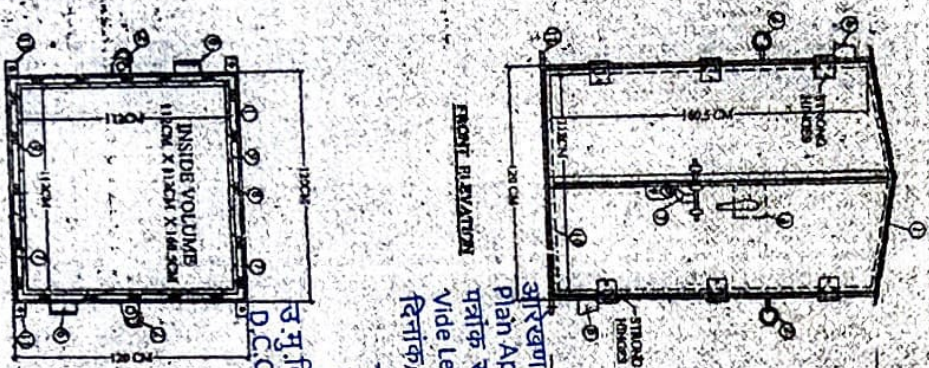


Signature
Additional District Magistrate
Kottayam

REMARKS

**"A" TYPE MAGAZINE
"ARISTOCRAT MODEL"**

BACH MAGAZINE ACCOMMODATES (i) 500KGS EXPLOSIVES (CLASS - 2, OR (ii) 10000 METERS DETONATING FUSE OR (iii) 2000 NOS. BLB FOR DETONATORS OR (iv) 80,000 NOS. ORDINARY DETONATORS OR (v) 2000 NOS. ELECTRIC DETONATORS & OR 2000 NOS. ORDINARY DETONATORS OR (vi) 250KGS EXPLOSIVES AND OR 500 METERS DETONATING FUSE/SAFETY FUSE



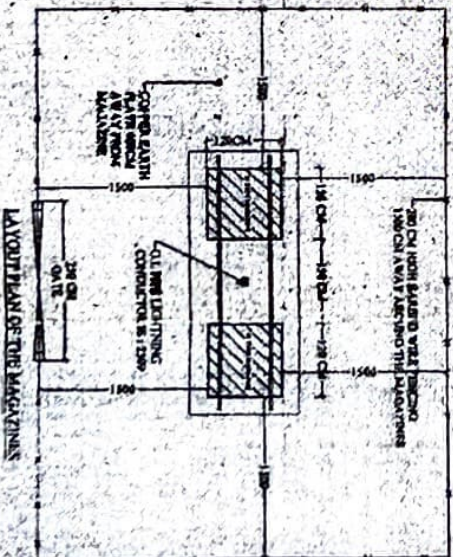
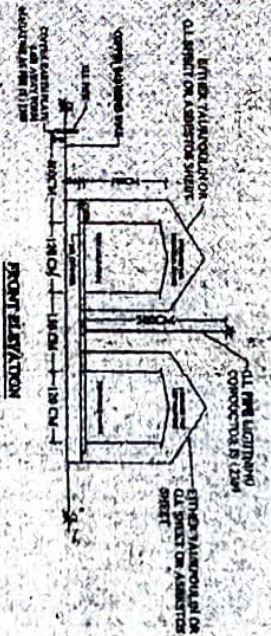
आरक्षण अनुमति
Plan Approved
प्रमाण संख्या द्वारा F/SE/UL/22/364
Vide Letter No. 14/25518, 14/25518
दिनांक/Dated 30/8/2022

PLAN
TOP VIEW

Sl. No.	Description	Remarks
1	1. LOCKING ARRANGEMENTS: ALARM	
2	2. LOCKING ARRANGEMENT: ALARM	
3	3. LOCKING ARRANGEMENT: ALARM	
4	4. LOCKING ARRANGEMENT: ALARM	
5	5. LOCKING ARRANGEMENT: ALARM	
6	6. LOCKING ARRANGEMENT: ALARM	
7	7. LOCKING ARRANGEMENT: ALARM	
8	8. LOCKING ARRANGEMENT: ALARM	
9	9. LOCKING ARRANGEMENT: ALARM	
10	10. LOCKING ARRANGEMENT: ALARM	
11	11. LOCKING ARRANGEMENT: ALARM	

ड.स.वि.नि., एरणकम
D.C.C.E., Ernakulam

**ARRANGEMENT OF TWO PORTABLE MAGAZINES AND INSTALLATION
OF LIGHTNING ARRESTOR AS PER IS - 2292
AT THE MAGAZINE**



SCALE: NOT TO SCALE
ALL DIMENSIONS ARE IN CENTIMETERS (CM)
ORIGIN: DRAWING APPROVED FOR
LETTER NO. 14/25518, 14/25518
OF M. ASHWINI KUMAR PVT. LTD.

WE ASIAN FABRICATORS

11/11/2022

11/11/2022

PORTABLE MAGAZINE "A" TYPE
DRAWING NO. A11/2022/001

17/11/2022



GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly Department of Explosives)
Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
Tele: 2427286 Fax: 2427276
Email: dyceernakulam@explosives.gov.in

Dated: 30/08/2022

No E/SE/KL/22/364(E142518)

To,
Chennala Gramites,
Kondoor Pass, Kondoor Village, Kottayam
Town Village - Kondoor
East KOTTAYAM, State Kerala, Pincode-686581

Subject: Possession for Use of Explosives from magazine at Survey No. 171, Block No. 71, Village/Town: Poonjar, Distt. KOTTAYAM, State Kerala Licence No.: E/SE/KL/22/364(E142518) granted in Form LE-3 of Explosives Rules, 2008 - Endorsement regarding

Sir(s),

Conditions:

1) Intimation regarding quarrying operations as per quarrying lease no. KOT/QL/2017/3 dated 15.01.2017 from the Geologist, Department of Mining & Geology, Kottayam and EC no 161/2016 of SEIAA, Kerala 249/1, 249/2 at Kondoor village, Moolachil taluk, Kottayam District is acknowledged herewith. Please note that the use of explosives in the quarries shall be as per the direction of DGMS, Bangalore as required under mines act 1952 and metalliciferous mines regulations 1961

Reference memo No. E/SE/KL/22/364(E142518) Dated 30/08/2022 from Dy. Chief Controller of Explosives, Ernakulam and inspection of the subject premises by an officer of this organization on 26/08/2022

The subject licence No. E/SE/KL/22/364(E142518) valid upto 31st March 2027 duly endorsed as required under Rule 107(3) of the Explosives Rules 2008 is forwarded herewith

For further renewal of licence, please submit following documents so as to reach this office on or before 31/03/2027

- Application in Form RE-1 duly filled in and signed
- Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008
- Original licence with approved plan
- In this connection, please also refer to Rule 112 of Explosives Rules, 2008
- Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office (Not applicable for fireworks store house)
- Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter (Not applicable for fireworks store house)
- All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952 the blaster shall have qualifications prescribed in the regulations framed under the said Act

Yours faithfully,

(S Saravanan)
Dy. Controller of Explosives
For Dy. Chief Controller of Explosives
Ernakulam

Copy Forwarded to

1. District Magistrate, KOTTAYAM, Kerala with reference to his No. DCKTM/3107/2021/114 Dated: 27/05/2022

For Dy. Chief Controller of Explosives,
Ernakulam

(For more information regarding status, fees and other details, please visit our web site <http://explosives.gov.in>)

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

Digitally signed by S SARAVANAN
Reason: Licence No.: E/SE/KL/22/364
Location: Ernakulam [E142518]
Date: 2022.08.30 05:34:23 +05:30



ENVIRODESIGNS
ECO LABS
 (Food Quality / Water / Environmental Testing Lab)



ISO 9001:2015, ISO 45001:2018 Certified organisation
 Approved 'A' grade Lab by Kerala State Pollution Control Board
 Accredited Lab by NABL as per ISO 17025:2017 (Cert No: TC-7114)
 Recognised Lab by Ministry of Environment, Forests & Climate Change (Govt. of India) as per E (P) Act 1986

TEST REPORT

Page 1 of 2

Report No. : EEL/LR/23/0023295/903
 Issue Date : June 05, 2023

Issued To:
 M/s. Chennadu Granites
 Building No.V/432A
 Chennadu P.O, Kottayam.

Customer ref.: Verbal

Project: - Environmental Monitoring

Survey Nos.249, 249/1, 249/2 in Kondoor Village, Meenachil Taluk, Kottayam Dist., Kerala

Sample receipt form Ref. No. : SRF/W/05/903 dt. 29.05.2023

Sampling done by: Customer

Sample Particulars: Water sample

Sample receiving date: May 29, 2023
 Analysis starting date : May 29, 2023
 Quantity of sample received: 1L x 1
 Packaging details : Pet bottle
 Physical appearance of the sample: Clear liquid
 Tests required: For the parameters listed below, as per Drinking water specification IS 10500:2012

Lab identification code: W/05/903

Analysis completion date: June 03, 2023

Description of sample by the customer: Water sample
 (Ground water -Open well)

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 25°C	---	Cl.2 of IS 3025 (Pt 11):1983	6.8	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5): 2018	Agreeable	Agreeable
3.	Colour	Hazen Units,max	Cl. 2 of IS 3025 (Pt 4):2021	3.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):1984	0.70	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):1984	64	500
6.	Total Hardness as CaCO ₃	mg/l,max	Cl. 5 of IS 3025 (Pt 21):2009	28	200
7.	Chloride as Cl	mg/l,max	Cl. 2 of IS 3025(Pt 32):1988	18.12	250
8.	Sulphate as SO ₄	mg/l,max	Cl. 4 of IS 3025(Pt 24):1986	6.37	200
9.	Alkalinity as CaCO ₃	mg/l,max	Cl. 8.1 of IS 3025(Pt 23):1986	16.32	200
10.	Iron as Fe	mg/l,max	Cl. 6 of IS 3025 (Pt 53):2003	0.06	1.0
11.	Calcium as Ca	mg/l,max	Cl. 5 of IS 3025(Pt 40):1991	8.02	75
12.	Magnesium as Mg	mg/l,max	Cl. 6 of IS 3025(Pt 46):1994	1.95	30
13.	Free Residual Chlorine	mg/l,min	IS 3025 (Pt 26):2021	BDL(MDL-0.01)	0.2
14.	Fluoride as F	mg/l,max	Cl. 5 of IS 3025 (Pt 60) : 2008	BDL(MDL-0.2)	1.0
15.	Manganese as Mn	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.01)	0.1
16.	Zinc as Zn	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.01)	5.0
17.	Cadmium as Cd	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.001)	0.003
18.	Lead as Pb	mg/l,max	IS 3025 (Pt 2) : 2019	BDL(MDL-0.005)	0.01

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit



* This test report shall not be reproduced except in full, without the written permission of the laboratory. * The liability of the laboratory is to the extent of the testing charges received. * The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. * The sample will be disposed after 15 days from the date of issue of test report.



ENVIRODESIGNS
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Page 2 of 2

Report No. : EEL/LR/23/0023295/903

Sl. No.	Parameters	Method	Result	Requirement
1.	Total coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample
2.	E.coli or thermotolerant coliform bacteria/100ml	IS 15185 :2016	Absent	Shall not be detectable in any 100ml sample

....End of Report.....


Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs


Jesty M. T.
Dy.Tech. Manager-Microbiology
Authorised Signatory
Envirodesigns Eco Labs



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TEST REPORT

Page 1 of 1

Report No. : EEL/LR/23/0023296/904
Issue Date : June 05, 2023

Issued To:
M/s. Chennadu Granites
Building No.V/432A
Chennadu P.O, Kottayam.

Customer ref: - Verbal
Project: - Environmental Monitoring
Survey Nos.249, 249/1, 249/2 in Kondoor Village, Meenachil Taluk, Kottayam Dist., Kerala.

Sample receipt form Ref. No. : SRF/A/05/904 dt. 29.05.2023
Sampling done by: Lab field technicians

Sample Particulars: Ambient Air sample

Date of monitoring	: May 28, 2023 to May 29, 2023	
Location of monitoring	: Ambient Air Monitoring near North side	
Location of sampler	: 3.2 m above ground level	
Sampling method	: Monitoring Protocol No. EEL/ENV/MP/01	
Sample receiving date	: May 29, 2023	Lab identification code: A/05/904
Analysis starting date	: May 30, 2023	Analysis completion date : June 01, 2023
Tests required:	For the parameters listed below, as per CPCB guidelines	
SAMPLE TESTED AS RECEIVED		

Sl. No.	Parameters	Unit	Method	Result	Limit (max)*
1.	Particulate matter (Size less than 10µm) or PM ₁₀	µg/m ³	IS 5182(Pt 23):2006	42.14	100
2.	Particulate matter (Size less than 2.5µm) or PM _{2.5}	µg/m ³	CPCB guidelines 2011	17.27	60
3.	Sulphur dioxide	µg/m ³	IS: 5182 (Pt 2):2001	8.92	80
4.	Nitrogen dioxide	µg/m ³	IS: 5182 (Pt 6): 2006	6.30	80
5.	Carbon Monoxide (8hrs)	mg/m ³	IS: 5182 (Pt 10): 1999	0.50	2.0

Note:- * Limit applicable for 24 hour Ambient Air Quality monitoring for Industrial, Residential, Rural and other Areas as per National Ambient Air Quality Standards 2009.

Weather and Meteorological Data

Weather condition: Partly cloudy

Meteorological Parameters	Max	Min
Temperature (°C)	29	26
Humidity (%)	76	65

Instruments used for Monitoring

- 1) Fine Particulate Sampler (FPS), Make: Envirotech Instruments Pvt. Ltd., Model : APM 550, ID. No. EEL/FPS/07
- 2) Respirable Dust Sampler (RDS), Make: Envirotech Instruments Pvt. Ltd., Model.: APM 460, ID. No.: EEL/RDS/09
- 3) CO ANALYZER, Make: Endee Engineers, Model :IR-100, ID NO.:EEL/COA/01

Susan Abraham
Technical Manager

Authorised Signatory

Envirodesigns Eco Labs

....End of Report.....

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NOISE LEVEL MONITORING REPORT

Page 1 of 2

Report No. : EEL/LR/23/0023297/905

Issued To:

Issue Date : June 05, 2023

M/s. Chennadu Granites
Building No.V/432A
Chennadu P.O, Kottayam.

Customer ref: - Verbal

Project: - Environmental Monitoring

Survey Nos.249, 249/1, 249/2 in Kondoor Village, Meenachil Taluk, Kottayam Dist., Kerala.

Sample receipt form Ref. No. : SRF/N/05/905 dt. 29.05.2023

Monitoring done by: Lab field technicians

Sample Particulars: Noise Level Monitoring

Date of monitoring : May 28, 2023 to May 29, 2023		
Source of monitoring : Ambient Noise Level monitoring		
Sampling method : Monitoring Protocol No. EEL/ENV/MP/01		
Lab identification code : N/05/905		
Method Used : IS 9989:1981		
Presentation of Results		
Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
1.	06.00 - 07.00	35.4
2.	07.00 - 08.00	36.2
3.	08.00 - 09.00	37.6
4.	09.00 - 10.00	38.5
5.	10.00 - 11.00	39.4
6.	11.00 - 12.00	40.7
7.	12.00 - 13.00	42.6
8.	13.00 - 14.00	44.8
9.	14.00 - 15.00	46.2
10.	15.00 - 16.00	45.3
11.	16.00 - 17.00	44.2
12.	17.00 - 18.00	43.3
13.	18.00 - 19.00	42.7
14.	19.00 - 20.00	42.2
15.	20.00 - 21.00	41.1
16.	21.00 - 22.00	40.8
17.	22.00 - 23.00	39.5

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Report No. : EEL/LR/23/0023297/905

Sl. No.	Time of Monitoring(Hrs)	Value Reported in dB (A) L_{eq}
18.	23.00 – 00.00	38.2
19.	00.00 – 01.00	36.6
20.	01.00 – 02.00	34.1
21.	02.00 – 03.00	33.7
22.	03.00 – 04.00	34.2
23.	04.00 – 05.00	34.8
24.	05.00 – 06.00	35.1

Sl. No.	Location of Monitoring	Value Reported in dB (A) L_{eq}	
		Day time	Night time
1.	Ambient Noise Level monitoring measured near North side	41.3	35.8

LIMIT AS PER NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000				
	Industrial Area	Commercial Area	Residential Area	Silence Zone
Day Time	75	65	55	50
Night Time	70	55	45	40

Note: Day time means - 6.00 AM to 10.00 PM

Night time means - 10.00 PM to 6.00 AM

Instrument used for Monitoring

Name of Instrument : Sound Level Meter, Make: Cygnet, Model : A0106-302, ID No : EEL/SLM/01

....End of Report.....


Susan Abraham
Technical Manager
Authorised Signatory
Envirodesigns Eco Labs



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