

Date: 25-12-2021

From,

M. K. RASHEED
(Managing Partner)
M/s CHENNADU GRANITES
Manackaparambil, Nadackal,
Kottayam – 686 121.

To,

MoEF Regional Office, Sothern 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 **April 2021 to September 2021** to all the conditions stipulated in the Environmental Clearance (EC) issued vide reference cited above.

Thanking you

Yours faithfully



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 APRIL 2021 TO SEPTEMBER 2021

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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 161/2016 vide file no. 793/SEIAA/EC4/1851/2015 dated 04-10-2016 to the quarry project in Kondoor Village, Meenachil Taluk, Kottayam District, Kerala State.

I. ABOUT THE PROJECT

a. Project Category:

The project comes under the Category B2, Activity 1(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.

II. REPORT OF COMPLIANCE

A. SPECIFIC CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE	REMARKS
S-1	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.	PLATE NO : 1
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.	PLATE NO : 2
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.	PLATE NO : 3
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	REMARKS
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.	PLATE NO : 4
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	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.	ANNEXURE 3
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Solar is provided.	PLATE NO : 5
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.	ANNEXURE 4
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.	PLATE NO : 6
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 measures 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.	Scrupulously follows the directions contained.	
G-14	A licensed person should supervise/control the blasting operations.	A licensed person is supervising the blasting operations.	ANNEXURE 5
G-15	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	Scrupulously follows the directions contained.	PLATE NO : 3
G-16	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.	PLATE NO : 1
G-17	Height of benches should not exceed 5 m and width should not be less than 5 m if there is no mention is the mining plan / specific conditions.	Height of the benches is maintained at 5 x 5 m.	PLATE NO : 7
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 enclosures 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.	PLATE NO 2
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.	PLATE NO 8
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.	ANNEXURE 6 & PLATE NO 9
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.	ANNEXURE 7
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	Scrupulously follows the directions contained.	

	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.		
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.	ANNEXURE 8
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 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.	Advertised in local newspaper.	
	A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/ Corporation/	Scrupulously follows the directions contained.	ANNEXURE 9

G-36	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.		
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.	PLATE NO 10
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-41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any	Ensured that no natural water course and/or water resources were obstructed	

	mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	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	Scrupulously follows the directions contained and ensured that the Ambient Air Quality parameters	

	as haul road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	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.	ANNEXURE 1
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 groundwater 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-61	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.	

ANNEXURE 1

EC ORDER

Validity expires on 3-10-2021



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 I(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-13012/12/2013-1A-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. • Laying 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	Maniyanikulam 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 (Thidanadu Panchayat - Approximately 16 Families residing at the colony)
2.	Medical Insurance to 6 Families residing at scheduled caste colony located at Irppikavu (Thidanadu 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@overseasmintech.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 Thidanadu 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. Addl. Chief Secretary, Environment department
6. O/C
7. S/F
8. Website

Forwarded/ By Order

Administrative

Administrator,
SEIAA



9

AGRICULTURAL DEPARTMENT
KRISHI BHAVAN
(Department of Agriculture, Kerala)
POONJAR THEKKERARA, KOTTAYAM-686 58

M. A. R. N. K.
02.12.2011

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

GENERAL CONDITIONS (for mining projects)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMHR / KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
7. 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.
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.
9. The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.
10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/ control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
17. Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific condition.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maximum depth of mining from general ground level at site shall not exceed 10m.
20. No mining operations should be carried out at places having a slope greater than 45°.
21. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
24. The transportation of minerals should be done in covered trucks to contain dust emissions.
25. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
28. A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
29. 100 m buffer distance should be maintained from forest boundaries.

30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
31. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
32. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
33. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
34. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
35. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
36. A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
37. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.
38. The details of Environmental Clearance should be prominently displayed in a 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
39. The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.
40. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.
41. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
42. Monitoring of Ambient Air Quality to be carried out based on the 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.
43. The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
44. Catch drains and siltation ponds of appropriate size shall be constructed around the mine

- working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
45. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul Road, loading and unloading points and transfer points. - it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
 46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
 47. Measures should be taken for control of noise levels below 85 dBA in the work environment.
 48. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
 49. The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.
 50. The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
 51. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
 52. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 53. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
 54. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.
 55. This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.
 56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
 57. The mining operation shall be restricted to above ground water table and it should not intersect ground water table.
 58. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area.
 59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
 60. Regular monitoring of flow rates and water quality up stream and down stream of 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.
 61. 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.

True copy
RTH/2



Rajendran
for Member Secretary, SEIAA Kerala
C. Rajendran Chettiar

AGRICULTURAL OFFICER
KOTTAYAM
(Department of Agriculture, Kerala)
KOTTAYAM KOTTAYAM KOTTAYAM

19/10/16

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

JINU PUNNOSE
DEPUTY COLLECTOR(GENERAL)&
ADDITIONAL DISTRICT MAGISTRATE
KOTTAYAM



Phone 0481 2564800
Office
Mobile 9446564800
Fax (Office) 0481 2303303
e-mail admktm.ker@nic.in

Date 30/11/2021

Dear Sri.Rasheed

Sub: Acknowledgment and thanks giving for donation from CSR Fund

It is great pleasure for me to place this thanks giving words for the contribution of RS 63500/- (Sixty Three Thousand Five Hundred only) from the CSR fund of your esteemed organisation by way of settlement of invoice No.MP 0625 dated 17-11-2021 of MP Associates towards the supply of one KYOCERA TASKalfa 2321 model printer for the use of this office.

with regards,

To

Sri.M.K.Rasheed
Managing Partner
Chennadu Granites, Chennadu P O

NANMA CHARITABLE TRUST

Reg. No. IV.68/2012-OCB No. 2320/15 Regd. Office: TC 81/407

Sandharamankovil Street, Elanji Lane, G.P.O., Thiruvananthapuram-1, PH: 0471 2328244

Santhitheeram

Vandakkala, Maloor Collage P.O., Pathanapuram & Pada vadakke, Karunagapally

Phone: 9633187850, 9562982126

Receipt

Date: 11.11.21

Received with thanks from Sri/Smt. Chandu Gnanadas
Five Thousand Only a sum of Rupees
towards

₹ 5000/-

Beji YP
Managing Trustee

OUNT

01122021
D D M M Y Y Y Y

या धारक को or Bearer

दा करें। ₹ 5,000/-

For CHENNADU Beji YP

Chq.No. 10111411
SG

PAYABLE AT ALL BRANCHES OF FEDERAL BANK

AUTHORISED SIGNATORY AUTHORIZED SIGNATORY
AUTHORISED SIGNATORY
Please sign above

111111 6860491021 101144 29

NANMA CHARITABLE TRUST

Reg. No. IV.68/2012-OCB No. 2320/15 Regd. Office: TC 81/407

Sandharamankovil Street, Elanji Lane, G.P.O., Thiruvananthapuram-1, PH: 0471 2328244

Santhitheeram

Vandakkala, Maloor Collage P.O., Pathanapuram & Pada vadakke, Karunagapally

Phone: 9633187850, 9562982126

Receipt

Date: 11.11.21

Received with thanks from Sri/Smt. Chandu Gnanadas
Five Thousand Only a sum of Rupees
towards

₹ 5000/-

Beji YP
Managing Trustee

Annexure 5

License Of Authorized Staff

Cert No. MR/scz/0864



भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
खनन मेट सक्षमता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री _____ सुपुत्र _____
जिनकी जन्म तिथि _____ है, को अपनी
आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण
प्रस्तुत करने एवं दिनांक _____ को _____ केन्द्र पर आयोजित
विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित मेट 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 **D GMS OFFICE, GORA**

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 thumb impression

(Signature) 24/11/16

अंचल सचिव

खनन परीक्षा बोर्ड

Zonal Secretary

Board of Mining

Examinations

(Signature)

अध्यक्ष

खनन परीक्षा बोर्ड

Chairman

Board of Mining

Examinations

Signed and Sealed

Date **20-11-2016**

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

Prepared by

Checked by

ORIGINAL

ANNEXURE 6

EXPLOSIVE LICENSE

(सेट VIII | Set VIII)

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को विक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/1219(E60704) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1219(E60704) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

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

The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from; Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

9. यदि तड़ित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापिधारी ऐसे परीक्षण के लिए विहित फीस का सँदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापिधारी द्वारा पश्चात्तर्ती प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तड़ित चालक को समाधानप्रद घोषित नहीं कर देता :
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभाय होगा :

परंतु यह और कि यदि दो या अधिक तड़ित 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 तड़ित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है ।

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

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

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

10. उपयुक्त तथा जेब रहित कार्यकरण वस्त्रों, उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वर्जित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :
परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिससे भिन्न कोई विस्फोटक नहीं रखा गया है ।

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

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

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

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

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

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

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

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

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

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

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

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

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

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

16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकजों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके ।

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

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

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

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

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

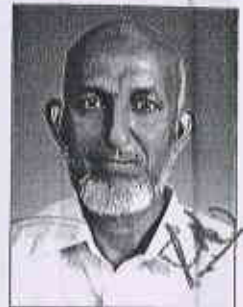
(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

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

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

अनुज्ञापत्र सं. (Licence No.) : E/SC/KL/22/1219(E60704)

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



Licence
Photo

1. Licence is hereby granted to

Shri M.K. Rasheed (अधिभोगी / Occupier : Shri M.K. Rasheed), Chennada Gramches, Chennada P.O., Kottayam District-686581, Kerala, Town/Village - Chennada, District-KOTTAYAM, State-Kerala, Pincode - 686581

की अनुज्ञापत्र अनुदत्त की जाती है।

2. अनुज्ञापत्रधारि की प्रास्थिति : Status of licensee : Individual

3. अनुज्ञापत्र निम्नलिखित प्रयोजनों के लिए विधिमान्य है। Possess for use of Safety Fuse, Nitrate Mixture, Detonators, के उपयोग के लिए
Licence is valid only for the following purpose.

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

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

क्र. Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2.0	0	150 Kg.
2.	Detonators	6.3	0	1200 Nos.
3.	Safety Fuse	6.1	0	1500 Mtrs

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

20 times
as above.

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

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

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1219 (E60704)

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

दिनांक (Dated) 03/05/2011

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

Survey No. 249/1 of Block 45, ग्राम (Town/Village) : Kondoor village, पोस्ट (Post) : Kottayam, P. Thidand
जिला (District) : KOTTAYAM राज्य (State) : Kerala पिनकोड (Pincode) : 686581
दूरभाष (Phone) : ई. मेल (E-Mail) : फेक्स (Fax) :

7. अनुज्ञापत्र परिसर में निम्नलिखित सुविधाएं अंतर्निहित हैं। Two nos of T type and G type portable magazines Mfd. by m/s. Nobel Engg. Cochin and one E type fabricated by M/S. Everest Granites, Ernakulam
The licensed premises consist of following facilities:

8. अनुज्ञापत्र 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.

- उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, संहिता निर्माण संबंधी और अन्य विवरण दर्शित करते हुए) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- अनुज्ञापत्र प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापत्र 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 अनुज्ञापत्र तारीख 31 मार्च 2016 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2016.

यह अनुज्ञापत्र, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 1 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञापत्र की शर्तों का अधिकमण करने या यदि अनुज्ञापत्र परिसर योजना या उससे सलग 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 - 03/05/2011

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/05/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 18/06/2018

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

19/02/2020

31/03/2025

Dy. Chief Controller of Explosives, Ernakulam

Deputy Chief Controller of Explosives
Ernakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दांडिक अपराध होगा।

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

- A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.
18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
 19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।
Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
 20. विस्फोटकों के खाली पैकेजों को शीघ्रतिशीघ्र वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा।
Empty packages of the explosives shall be removed at the earliest and destroyed.
 21. अनुज्ञप्तिधारी और कर्मचारीयों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
 22. निरीक्षण या नमूना अधिकारी को सभी युक्तियुक्त समयों पर अनुज्ञत परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्पत्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।
Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
 23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञप्तिधारक को अनुज्ञत परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञप्तिधारक सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the license shall execute the recommendations and report compliance within the period specified by such authority.
 24. अनुज्ञप्तिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञत फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पलीते खरीदेगा।
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
 25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए -
(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए1) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;
(ख) श्रृंखला (जुड़े हुए पटाखे) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग.10(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे;
The possession and sale of fire-crackers generating noise level exceeding;
a) 125 dB(AI) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log10 (N) dB, where N = number of crackers joined together.
 26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।
Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

अतिरिक्त शर्तें / Additional Conditions :

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


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

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

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number **E/SC/KL/22/1219(E60704)** in form LE-3 granted to **Shri M.K. Rasheed, Chennadu Granites, Chennadu P.O., Kottayam District-686581, Kerala, Kerala-686581**.

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)		M	UM
1	Room or Workshop used in Connection with the Magazine	13	19
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		40
9	Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory		
10	River Embankment or Sea Embankment or Public Well		
11	Reservoir or Bounded tank/rope way		
12	Windmillor or Solar panel for Power Generation		
Outside Safety Distances(OSD)			
13	Dwelling House		
14	Govt. and Public Building		
15	Temple, Mosque, Church or Gurudwara or other Places of Worships		
16	Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, Cinema or other Building where the public are accustomed to assemble		
17	Factory		
18	Buildings or Works used for the Storage in Bulk of Petroleum, Sprit, gas, or other inflammable or hazardous substances		45
19	Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives		
20	Aerodrome		
21	Furnace, Kiln or Chimney		
22	Quarry or mine pit head		
23	Power House or Electric Substation		
24	Wireless Station		
25	Warehouse or other Storage Building		
26	Any other Protected works		
Overhead Electric lines			
27	Electric Power over head Transmission Lines above 440V		45
28	Electric Power over head Transmission Lines upto 440V		15

The Date : 03/05/2011

For Joint Chief Controller of Explosives
South Circle, Chennai

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/01/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 15/05/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 18/06/2018



भारत सरकार | Government of India
वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसी) | Petroleum & Explosives Safety Organisation (PESO)
पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives
केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ पी.ओ. कक्कनाड कोच्चि | CSEZ PO Kakkannad Dist. Ernakulam Ernakulam 682037
फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276
ई-मेल Email: dyceernakulam@explosives.gov.in

संख्या (No.): E/SC/KL/22/1219(E60704)

दिनांक (Date): 19/02/2020

सेवा में | To,

Shri M.K. Rasheed,
Chennadu Granites, Chennadu P.O., Kottayam District-686581, Kerala, Town/Village - Chennadu
District-KOTTAYAM, State-Kerala, Pincode - 686581

28 FEB 2020

विषय : Survey No.249/1 of Block 45, ग्राम Kondoor village, Meenachil Tk, Kottayam Dt, जिला KOTTAYAM, राज्य Kerala में विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1219(E60704) के नवीनीकरण संदर्भ में।
Subject: Possession for Use of Explosives from magazine situated at Survey No.:249/1 of Block 45, Kondoor village, Meenachil Tk, Kottayam Dt, Dist. KOTTAYAM, Kerala -Licence No.: E/SC/KL/22/1219(E60704) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 19/02/2020 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुज्ञप्ति दिनांक 31/3/2025 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है।

Reference to your letter No.: Nil dated: 19/02/2020, the subject licence duly renewed upto 31/3/2025 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/2025 से पहले इस कार्यालय को भेजे जाएं।
For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2025.

- प्ररूप आरई-1 में विधिवत पूर्ण एवं हस्ताक्षरित आवेदन।
Application in Form RE-1 duly filled in and signed.
- एक से पाँच वर्ष के अनुज्ञप्ति शुल्को का, विस्फोटक नियम, 2008 के तहत ऑनलाइन आवेदन पोर्टल पर उपलब्ध ई-भुगतान सुविधा के माध्यम से लाइसेंस शुल्क ऑनलाइन जमा किया जाना है।
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.
- अनुमोदित प्लान के साथ मूल अनुज्ञप्ति।
Original licence with approved plan.
- कृपया इस संबंध में विस्फोटक नियम, 2008 के नियम 112 का भी संदर्भ ग्रहण करें।
In this connection, please also refer to Rule 112 of Explosives Rules, 2008.
- विस्फोटकों के क्रय हेतु आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजी जाए (आतिशबाजी गोदाम के लिए लागू नहीं)।
Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office. (Not applicable for fireworks store house)
- कृपया विस्फोटकों की त्रैमासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाए। विवरणी इस कार्यालय के कार्यालय में आगामी तिमाही के 10 तारीख से पहले पहुंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं)।
Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house)
- सभी ब्लास्टिंग आपरेशन एक सक्षम द्वारा की जाएगी जो उपरोक्त नियमों के तहत एक वैध शॉट फायर प्रमाणपत्र धारक हो। हालांकि, खान अधिनियम 1952 के अधीन आने वाले खानों में ब्लास्टिंग आपरेशन करने वाले ब्लास्टर की योग्यता उसी अधिनियम से निर्धारित हो।
All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act.

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R. Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्चि | Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. जिला माजिस्ट्रेट (District Magistrate), KOTTAYAM (Kerala)

उप मुख्य विस्फोटक नियंत्रक
(आर.वेणुगोपाल | Dr. R. Venugopal)

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

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

Annexure 7

Pollution certificate



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KTM/QR/142/2010

Date of issue :13/06/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R16KOT3146808R32018

Ref : Consent No: PCB/KTM/ICO/R2/3530/2016 dated: 11.07.2016

The 'Integrated Consent to Operate' issued as per reference above to M/s Chennadu Granites, Chennadu P.O., Kottayam is hereby renewed up to 03/10/2021 and issued to M/s Chennadu Granites, Chennadu P.O., Kottayam The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Quarrying Area	0.5856 Ha
2	Fee remitted	Rs.162500/-
3	Survey No.	249,249/1,249/2
4	Capital Investment	2.5 Crores
5	Products	Rubbles-50 MT/day
6	Validity	03.10.2021
7	Village	Kondoor

II. Stack Details

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

III. CONDITIONS

3.1. This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions as per section 21 of the Air (Prevention and control of Pollution) Act 1981 and section 25 of

the Water(Prevention and control of Pollution)Act 1974.

3.2. This consent is granted based on the Environmental Clearance No:161/2016 Dated:04.10.2016.The quarrying shall be done after obtaining all statutory/necessary clearances from concerned authorities and is valid only when all other clearances from other concerned authorities are valid.

3.3.This consent unless withdrawn earlier and subject to condition no 3.1&3.2 shall be valid upto 03.10.2021.For continuing to operate beyond the validity date application for the renewal has to be submitted through online(website: krocmms.nic.in)at least 3 months prior to the expiry of this consent.

3.4. No change, deviation or alteration that may affect the environment, extent and location of quarry shall be made.

3.5. Any change in particulars furnished in the application/the identity of the occupier/ authorised agent is to be intimated to the Board forthwith.

3.6. 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.

3.7. Quarrying shall be done only within the area marked in the location plan.

3.8. Quarrying area shall be earmarked before commencement of quarrying activities.

3.9. Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighbouring land or building or posing damage to health, life or property.

3.10. After completion of excavation at any site, the abandoned quarry shall be utilized for rain water harvesting with protective barriers/ any other suitable approved purpose or may be reclaimed as per specification.

3.11. Proper fencing/barriers shall be provided and maintained all around the abandoned deep quarry pits to avoid accidents.

3.12. 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.

3.13. Noise creating activities such as drilling, blasting, breaking loading etc shall not be done during night time (6pm – 6am).

3.14. Blasting shall be done at specified time with prior signals to avoid accidents.

3.15. The PM10 in ambient air at the boundary shall not exceed 100 g/m3, max.

3.16. The PM2.5 in ambient air at the boundary shall not exceed 60g/m3.

3.17.The Sound level (Leq) at 1m outside the boundary of the site and near residential locations should not exceed the ambient noise standard applicable to the adjoining areas.

3.18. "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".

3.19. No other machineries shall be operated without prior Consent of the Board.

3.20. 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.

3.21. The applicant shall submit copies of all relevant permits/lease/certificate/licenses periodically to this office to ensure the validity of this consent.

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

3.23. The applicant shall put up sign boards near the main entrance of the plant to display consent number &

validity.

3.24. All the quarrying activities shall be in accordance with conditions of the mining permit and as per the approved site plan issued by the Village Officer. The site plan is enclosed herewith.

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

JOSEMON J

Digitally signed by JOSEMON J
Date: 2018.06.13 15:51:17 -07'00'

DATE :13/06/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, DISTRICT
OFFICE, KOTTAYAM



To

Sri. M.K.Rasheed,
Manackaparambil House,
Nadackal P.O.,
Eratupetta,
Kottayam

Application No:7593179

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

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



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :8163624

Date of issue :2018-06-22

CONSENT VARIATION ORDER

Consent No : R16KOT3146808

Ref : R16KOT3146808R32018 dated 13.06.2018 with a validity 03.10.2021

The ' Integrated Consent to Operate' issued as per reference above to M/s Chennadu Granites,Chennadu P.O.,Kottayam is hereby modified & issued to M/s Chennadu Granites,Chennadu P.O.,Kottayam The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Quarrying Area	4.704 Hectares
2	Granite Rubbles	500 Metric Tonnes/day

II. CONDITIONS

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

JOSEMON J

Digitally signed by JOSEMON J
Date: 2018.06.22 23:43:51 -07'00'

DATE :22/06/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER

To

Chennadu Granites,Chennadu P.O.,Kottayam



1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to krocmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

TEST REPORT

Test Report No: 20211115/R031	Date: 20-11-2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Chennadu Granites Building No:V/432A Chennadu P.O,Kottayam Kottayam District,Kerala
Customer Reference	Test Request dt : 15-11-2021

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20211115/S031
Sample Name	Ambient Air	Sample Received on	16-11-2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	16-11-2021
Sampled by	Lab Authorized Sampler	Test Completed on	19-11-2021

DETAILS OF SAMPLING			
Sampling Location	North side	Date of Sampling	15-11-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	70%

SAMPLING SITE DETAILS			
Survey No.	249,249/1,249/2		
Village	Kondoor	Taluk	Meenachil
District	Kottayam	State	Kerala

TEST RESULTS – CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
1	Particulate Matter, PM ₁₀	IS 5182 (Part 23):2006	µg/m ³	52.6	Max 100
2	Particulate Matter, PM _{2.5}	EPA 40 CFR (Part 50) Appendix – L	µg/m ³	21.5	Max 60
3	Sulphur Dioxide as SO ₂	IS 5182 (Part 2): 2001 RA 2017	µg/m ³	< 2.00	Max 80
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006 RA 2017	µg/m ³	< 2.00	Max 80

Remarks:

End of Report


Rija Joseph
Technical Manager
Checked by:




Laiju P.N.
Laboratory Head
Authorized Signatory

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

Standard^S Environmental & Analytical Laboratories

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

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

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

TEST REPORT

Test Report No: 20211115/R032	Date: 20-11-2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Chennadu Granites Building No:V/432A Chennadu P.O,Kottayam Kottayam District,Kerala
Customer Reference	Test Request dt : 15-11-2021

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	20211115/S032
Sample Name	Ambient Noise	Monitoring Commenced on	15-11-2021/ 06:00
Monitoring Location	North side	Monitoring Completed on	16-11-2021/ 06:00
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler

MONITORING SITE DETAILS			
Survey No.	249,249/1,249/2		
Village	Kondoor	Taluk	Meenachil
District	Kottayam	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	34.9	14:00	46.8	22:00	33.8
07:00	37.4	15:00	47.2	23:00	33.5
08:00	41.4	16:00	48.2	24:00	35.9
09:00	44.6	17:00	48.6	01:00	36.6
10:00	46.8	18:00	43.6	02:00	36.2
11:00	49.7	19:00	40.3	03:00	36.9
12:00	47.2	20:00	36.7	04:00	35.9
13:00	46.4	21:00	36.3	05:00	37.6

TEST RESULTS			
Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	45.3
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)	dB(A)	36.2

Remarks:

End of Report


Rija Joseph
Technical Manager
Checked by:




Laiju P.N.
Laboratory Head
Authorized Signatory

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

TEST REPORT

Test Report No: 20211115/R033	Date: 20-12-2021	Page 1 of 2
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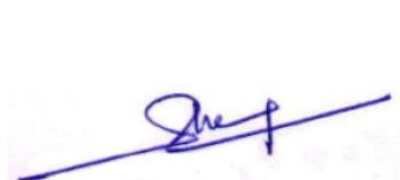
CUSTOMER DETAILS	
Customer Name & Address	M/s Chennadu Granites Building No:V/432A Chennadu P.O,Kottayam Kottayam District,Kerala
Customer Reference	Test Request dt : 15-11-2021

SAMPLE DETAILS			
Product Category	Water	Sample Code	20211115/S033
Sample Name	Ground Water	Sample Received on	16-11-2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	4 °C
Sample Quantity& Packing	2L & 100ml Plastic Bottle	Test Commenced on	16-11-2021
Sampled by	Lab Authorized Sampler	Test Completed on	19-11-2021

DETAILS OF SAMPLING			
Sample Source	Open Well	Date of Sampling	15-12-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	31 °C

SAMPLING SITE DETAILS			
Re-Survey No.	249,249/1,249/2		
Village	Kondoor	Taluk	Meenachil
District	Kottayam	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
1	Colour	IS 3025 (Part 4):1983 RA 2017	Hazen	1	Max 5
2	Odour	IS 3025 (Part 5):2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984 RA 2017	NTU	0.1	Max 1



Shency Joy
Dy.TM-Chemical
Checked by




Salini T.S.
Microbiologist
Authorized Signatory



Laiju P.N.
Laboratory Head
Authorized Signatory

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

TEST REPORT

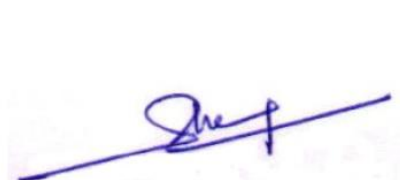
Test Report No: 20211115/R033	Date: 20-12-2021	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
4	pH	IS 3025 (Part 11):1983 RA 2017	---	7.01	6.50 – 8.50
5	Conductivity	IS 3025 (Part 14):1984 RA 2019	μS/cm	137	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984 RA 2017	mg/L	83.0	Max 500
7	Total Hardness as CaCO ₃	IS 3025 (Part 21):2009 RA 2019	mg/L	40.0	Max 200
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2019	mg/L	8.80	Max 75
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2019	mg/L	4.38	Max 30
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2019	mg/L	20.9	Max 250
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23):1986 RA 2019	mg/L	18.1	Max 200
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2019	mg/L	0.10	Max 1
13	Sulphate as SO ₄	IS 3025 (Part 24):1986 RA 2019	mg/L	1.10	Max 200

TEST RESULTS- BIOLOGICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
1	Total Coliform Bacteria	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml
2	E coli	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml

Remarks:

End of Report



Shency Joy
Dy.TM-Chemical
Checked by




Salini T.S.
Microbiologist
Authorized Signatory



Laiju P.N.
Laboratory Head
Authorized Signatory

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

Annexure 9

D&O License



ലൈസൻസ് നമ്പർ... 1148/18

തീയതി 03/4/18

.....തിടനാട്..... ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

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

വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ശ്രീ. കെ. വർഗ്ഗീസ് മണ്ണുപുറത്തിൽ (മാനേജർ പാർക്ക്, ലേനാട് (വെസ്റ്റ്) നടുക്ക് P.O		
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	ലേനാട് ഗ്രാമപഞ്ചായത്ത്, ലേനാട്		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറ പൊട്ടിക്കൽ		
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	SY. NO. 249, 249/1, 249/2, കണ്ടർ വില്ലേജ് IV		
ലൈസൻസ് കാലയളവ്	01/04/18 മുതൽ 30/06/18 വരെ extended upto 3-		
ഇടാക്കിയ ലൈസൻസ് ഫീസ്	4000 രൂപ Rd - 4000X3 HP-1000X3 PT - 2500X3	പിൻ 1180101005 9/3/18	8/05/18
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	1. Environmental Clearance No. 161/2016 valid up to 3/10/21. State environmental Assessment Authority, Kerala. 2. Proceedings of the director of mining & geology. NO. 652/2016 - 17/1408/MS/2016 for 12 years. 3. KSPCB- Integrated consent to operate. NO. PCB/KTM/ICO/R2/3530/2016 valid up to 30/06/2018. 4. Explosive licence, LE-3 form valid up to 31/3/20		



Secretary
Thidandadu Grama Panchayat
Thidandadu P.O

1. കേരളാ പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ / സെക്രട്ടറി അധികാരിപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതാകുന്നു.
3. ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്ക വിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം ലഭിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതാകുന്നു.
5. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഓരോ പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തുപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള 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 കേടുപാടുതീർത്ത് വയ്പിക്കേണ്ടതാണ്.
10. അയിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള താക്ക് രോഗമോ കുഷ്ഠ രോഗമോ പ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. 40 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക് കളകളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ട്രോയ്ലെറ്റ് 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.
18. നിർദ്ദിഷ്ട സർവ്വേയറുടെ സന്നിധിയിൽ പരിശോധിക്കേണ്ടതാണ്.

19. സെക്രട്ടറി Thidamaru Grama Pancha
Thidamaru P.O
 N.B :- ഈ ലൈസൻസ് അവസാനിക്കുന്ന തീയതിയ്ക്ക് 30 ദിവസം മുമ്പ് ലൈസൻസ് പുതുക്കുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്.
 എവരുകൾ ഇടയ്ക്ക് പേജ് 2

V. PLATES

PLATE 1

Photographs showing top soil and overburden in the project site





PLATE 2

Photographs showing garland drains

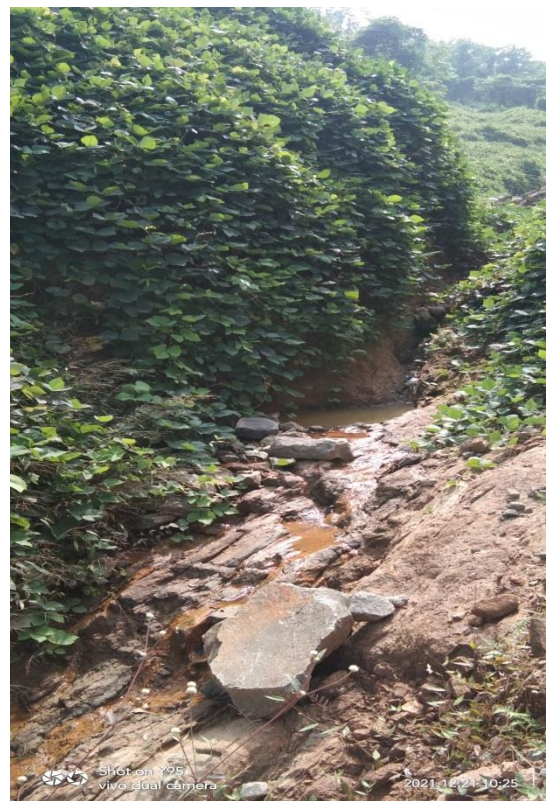


PLATE 3

Photographs showing access road to the project area



PLATE 4

Photograph of Rain Water Harvesting Pit



PLATE 5

Photograph showing solar system in the project area



PLATE 6

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



Boundary Pillar BP1



Boundary Pillar BP2



Boundary Pillar BP6



PLATE 7

Photographs showing bench development / Mining face development





PLATE 8

Photograph showing covered trucks with minerals



PLATE 9

Photograph showing magazine



PLATE 10

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



PLATE 11

Photograph of office

