COMPLIANCE REPORT OCTOBER 2021 – MARCH 2022

M/S PLAKKATU GRANITE INDUSTRIES PVT. LTD PATHANAMTHITTA DISTRICT KERALA

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Dt.20-06-2022

The Additional Principal Chief Conservator of Forests (C) Ministry of Environment, Forests & Climate Change, 4th Floor, E& F Wing, Kendriya Sadan, Koramangala, Bangalore - 560034

Ref :- File No. 870/SEIAA/EC4/3101/2015

Sub :- Environment Clearance – Quarry project at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala – Compliance Report – Second half - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for **3.5723 Ha**. by order No. **870/SEIAA/EC4/3101/2015** dated 06.05.2017 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second half** (October 2021 to March 2022) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully, For M/s Plakkatu Granite Industries Pvt. Ltd

Treekumen

Sreekumar B Copy to:-The Member Secretary State Environment Impact Assessment Authority (SEIAA), Thiruvananthapuram, Kerala.

Encl: - As Above



COMPLIANCE REPORT

ТО

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 870/SEIAA/EC4/3101/2015

DATED: 06.05.2017

BΥ

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA) FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

ΑΤ

SURVEY NO. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1 571/1A/12/54-2 AT KONNITHAZHAM VILLAGE, KONNI PANCHAYATH, KONNI TALUK, PATHANAMTHITTA DISTRICT, KERALA

BY

M/S. PLAKKATU GRANITE INDUSTRIES PVT LTD PATHANAMTHITTA DISTRICT

KERALA

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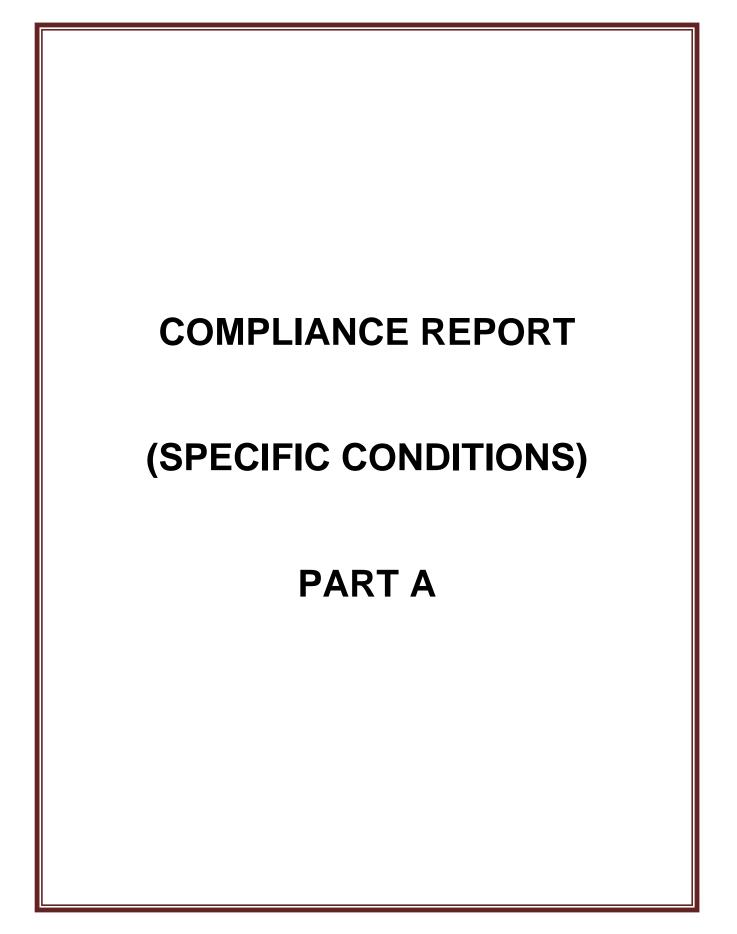
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INTRODUCTION

The quarry project of M/s. Plakkatu Granite Industries Pvt. Ltd is situated at Survey No. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1 571/1A/12/54-2 at Konnithazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District, Kerala

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 06.05.2017. As part of general condition No.37 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of Second half to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2021 - March 2022** is being submitted.



PART - A – SPECIFIC CONDITIONS

01	The depth of mining may be up to the general ground level at site and	Complied
	not the level of the PWD road to Thekkuthodu.	

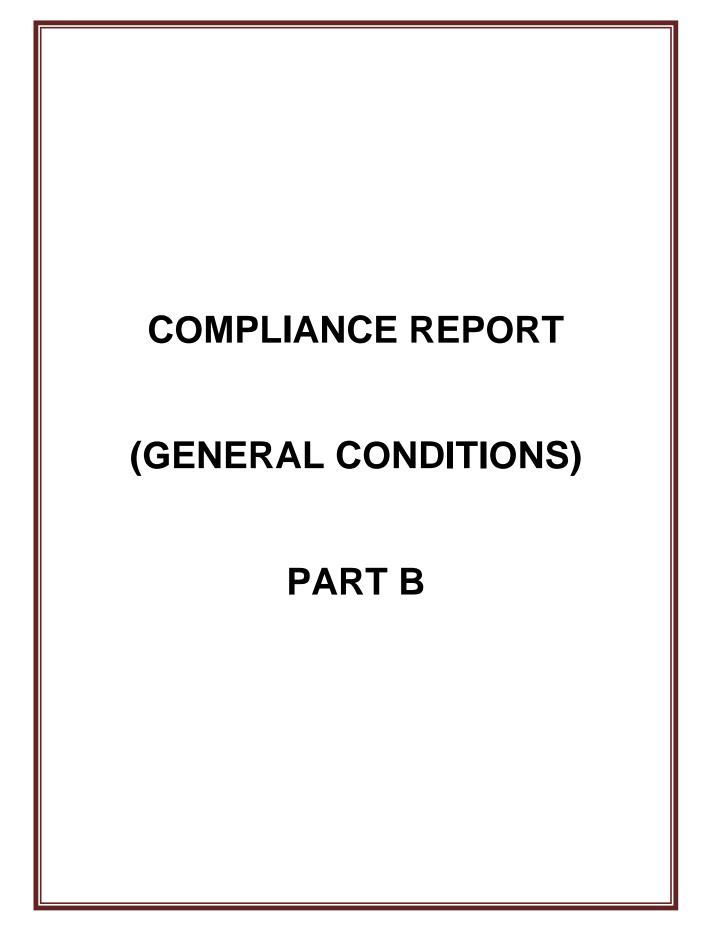
Compliance:

The depth of mining will be up to the general ground level at site and it won't be the level of the PWD road to Thekkuthodu. The PP has appointed Mines manager to supervise the mining.

02	2 Proponent may submit copy/copies of the sale deeds in respect of the						Complied					
	lands	involved	in	the	proposed	mining	area	of	3.5723	Ha.	For	
	verific	ation.										

Compliance:

For Verification, the project has submitted copies of the sale deeds in respect of lands involved in the proposed mining area of 3.5723 Ha.



GENERAL CONDITIONS

01	Rain Water Harvesting capacity should be installed as per the	Complied
	prevailing provisions of KMBR / KPBR, unless otherwise	
	specified.	

Compliance:

To collect rain water from the entire project land, the proponent has developed rain water harvesting pond in the quarrying area. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system). The photograph showing the rain water collection pond in the project area is attached in **Plate No.1**.

02	Environment Monitoring Cell (EMC) as agreed under the affidavit	Complied
	filed by the proponent should be formed and made functional.	

Compliance:

The project proponent has constituted an Environment Monitoring Cell (EMC) with Mr. Rajasekaran Nair VT as head of the cell. The meetings of the cell convened periodically and evaluate the activities towards the stipulations of Environmental Clearance order. The details of the monitoring cell are given below:

SI. No.	Post	Name
1.	Head of monitoring cell	Rajasekaran Nair VT
2.	Member	Joseph KG
3.	Member	Thomas Joseph
4.	Member	Aneesh Joseph

Table 1 - Environmental Monitoring Cell (EMC)

03Suitable avenue trees should be planted along either side of the
tarred road and open parking areas, if any, inclusive of approach
road and internal roads.complied

Compliance:

To reduce air pollution, the green belt can reduce the adverse effect of mining industry. To reduce air and noise pollution, the project proponent has planted few avenue trees along either side of the road. There are natural vegetations including trees, shrubs, herbs and climbers also present in the sides of road and parking area.

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

Compliance:

The project proponent has installed solar street lights to maximum possible solar energy generation and utilization.

05	Sprinklers shall be installed and used in the project site to	Complied
	contain dust emissions.	

Compliance:

To reduce air pollution and to prevent dust emissions from the road while transportation of materials, the project does splashes the haulage road and critical areas with the help of vehicles in regular intervals. The sprinklers are also installed in the project site. This help to suppress dust during the time summer season.

06	Eco-restoration including the mine closure plan shall be done at	Noted
	the own cost of the project proponent.	

Compliance:

As part of eco restoration, the project proponent has started to plant various saplings within the project area. The mine closure plan will be done at own cost of project proponent as agreed in the proposal.

07At 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 EC.Noted

The project proponent will retain 10 percent of total excavated pit as rain water storage area after closure of the mine. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan, the proponent has initiated steps to plant indigenous species as part of concurrent eco restoration.

08	Corporate	Social	Responsibility	(CSR)	agreed	upon	by	the	Complied	
	proponent	should	be implemented							

Compliance:

As part of inclusive growth of the community, the project proponent has executed various activities under Corporate Social Responsibility of the firm. The activities are as follows

Sectors	Activities	Beneficiaries	Amount
			spent in Rs.
Water	Construction of pond	Aruvapulam Grama Panchayat	22,250
	for drinking water		
Health	Treatment Support	Latha	50,000
		Sijin Jacob	12,500
	Donation	St. Alphonsa Prathyasa Bhavan	7,500
		Evan P	7,500
	Donation	Care and Share international	25,000
		foundation	
		Kunjamma	50,000
		Babu kuyill	25,000
		Other Medical Help	50,000
Infra	Donation	Gurusree bhavana Dhana	10,160
		Padhadhi	
	Donation	Athijeevanam Ambulanace	50,000
		Sahaya Nidhi	
	Donation	Nanma charitable trust	2,000
	Donation	EMS charitable trust	1,00,000
	Total		4,11,910

09 The lease area shall be fenced off with barbed wires to a Complied maximum 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.

Compliance:

The project proponent has installed fencing around the area where lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 4 ft before starting of mining. All the boundary indicators (boards, stores, markings etc) will protect at all times and shall be conspicuous. The photograph of barbed metal wire fencing is provided in **Plate No.2**.

1	0	Warning alarms indicating the time of blasting (to be done at	Complied
		specific timings) has to be arranged as per stipulations of	
		Explosive Department.	

Compliance:

The project proponent has installed warning alarms in the quarry site as per the stipulation of Explosive department. This warning alarm is properly working prior to the blasting time. The photograph showing the warning alarm installed in the project area is provided in **Plate No.3**.

11Control measures on noise and vibration prescribed by KSPCBCompliedshould be implemented.

Compliance:

The project proponent has implemented mitigate masseurs to reduce noise pollution. The major noise generating sources from the mining activities are working machineries, drilling, blasting and plying of vehicles. The following control measures are undertaken to bringing down the noise levels:-

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.

- Personal protective devices i.e., ear plugs are provided to workers working in high noise areas.
- > The mining activity held in day time only.
- > Noise level at quarry site checked periodically.

Blast vibrations and control measures

- Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- Ordinary delayed detonators are using for the blasting
- The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- Using Electric delayed detonators

12Quarrying activities should be limited to day time as per KSPCBCompliedguidelines/specific conditions.

Compliance:

To reduce the inconvenience of community, the quarrying activities are limited to day time only as per KSPCB guidelines.

13	Blasting should be done in a controlled manner as specified by the	complied
	regulations of explosives department or any other concerned agency.	

Compliance:

The blasting is carrying out in controlled manner by using ordinary delayed detonators. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency.

14	Α	licensed	person	should	supervise/control	the	blasting	Complied	
	ор	erations.							

Compliance:

The project proponent has appointed licensed person in the site to supervise/control exploitation of minor minerals including blasting at the project site.

Annexure No. 9 is showing the certificate of qualified persons. The licensed persons are under the supervision of Environment Monitoring Cell.

15 Access roads to the quarry shall be tarred to contain dust Complied emissions that may arise during transportation of materials.

Compliance:

To contain dust emissions and for the trouble free transportation of materials, the project proponent has tarred the access road to the quarry site. The project proponent splashes water on the road to arrest the dust production during summer season. The project proponent is regularly maintaining the access road in a good manner.

I	16	Overburden materials should be managed within the site and	Complied
		used for reclamation of mine pits as per mine closure plan/	
		specific conditions.	

Compliance:

The overburden and topsoil extract during the time of mining, these natural resources is staked in the project site. This is being used for plantation, haulage roads and land filling in the mining area. The photograph of Overburden and topsoil is provided at **Pate No. 4**.

17Height of the benches should not exceed 5m, and width should
not be less than 5m, if there is no mention is the mining
plan/specific conditions.Complied

Compliance:

To enhance safety and conserve environment, the project proponent extracted the minerals by creating benches. The benches will not exceed 5 meters of height and the width of the bench will have minimum of 5 meters. The photograph of mining area is provided at **Pate No. 5**.

18Mats to reduce fly rock blast to a maximum of 10 PPV should beNotedprovided.

The mat is using during blasting time to prevent fly rock. The correct quantity of explosive is used under the supervision of qualifies person.

19	Maximum depth of mining from general ground level at site shall	Noted
	not exceed 10m.	

Compliance:

Mining depth does not exceed beyond 10 meter from general ground level at site

20	No mining oper	rations should be carried out at places having a	Noted
	slope greater	than 45 ⁰ .	

Compliance:

No mining operation is carried out with a slope greater than 45° .

21	Acoustic enclosures should be provided to reduce sound	complied
	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.	

Compliance:

To reduce the impact of sound to the labours in the unit, the project proponent has provided ear plugs. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. The project proponent is trying to enhance the vegetative cover by planting more tree saplings.

22The workers on the site should be provided with the requiredCompliedprotective equipments such as ear muffs, helmet, etc.

Compliance:

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, glows, etc. to the labours in working site.

23 Garland drains with clarifiers to be provided in the lower slopes Complied around the core area to channelize storm water.

Compliance:

The project proponent ensures that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent has created drainages where it is necessary in the lower slopes of the project area for storm water management.

24The transportation of minerals should be done in covered trucksCompliedto contain dust emissions.

Compliance:

The project proponent assures the trucks are covered before it leaving the project site to arrest the dust emission while transportation of materials. The photograph of covered trucks is provided in **Plate No. 6**.

25	The proponent should plant trees at least 5 times of the loss that	complied
	has occurred while clearing the land for the project.	

Compliance:

The project proponent has been planting various saplings in the project area as a compensation of loss of trees while clearing the land for mining.

26	Disposal of spent oil from diesel engines should be as specified	complied
	under relevant Rules/Regulations.	

Compliance:

The project proponent is using the used oil as lubricant for shutters and other equipments. The spent oil sold only to the recyclers.

27 Explosives should be stored in magazines in isolated place Complied specified and approved by the explosives department.

As per the stipulation of competent authority, the project proponent has storing the explosives in magazine. The magazine was situated in an isolated place specified and approved by the explosives department. The photograph of the magazine is provided in **Plate No. 7**.

28	A minimum buffer distance of 100m meter from the boundary of	complied
	the quarry to the nearest dwelling unit or other structures, not	
	being any facility for mining shall be provided.	

Compliance:

To prevent possible fly rock and vibration to nearby houses, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The distance of the nearest house was 103 meter form the quarry, the KSPCB condition is 50 meter

29	100	m	buffer	distance	should	be	maintained	from	forest	Complied
	bou	nda	ries.							

Compliance:

There is no forest in 4 km of vicinity to the project site. The nearest forest is Kumaramperoor Forest Station which is 4 km away from the project site.

30Consent from Kerala Pollution Control Board under Water and
Air Act(s) should have been obtained before initiating activity.Complied

Compliance:

The project proponent has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of "Consent to Operate" (Renewal) from Kerala State Pollution Control Board is provided in **Annexure No.1**.

³¹All other statutory clearances should have been obtained, as
applicable, by project proponents from the respective competent
authorities including that for blasting and storage of explosives.Complied

The certificates obtained from concerned statutory authorities are enclosed in Annexure No.1, 2, 3, 4 & 5

TABLE 2 – APPROVALS FROM COMPETENT AUTHORITIES

Name of the Statutory approval	Name of the Statutory authority		
Environmental Clearance order	State Environmental Impact		
	Assessment Authority, Kerala		
"Consent to Operate" (Renewal) Kerala State Pollution Control Board			
Explosive License	Ministry of Commerce & Industry -		
	Petroleum & Explosives Safety		
	Organization (PESO)		
License for quarry operations	Gram Panchayath		
Lease order	Directorate of Mining and Geology		

32	In the case of any change(s) in the scope of the project, extent	Noted
	quantity, process of mining technology involved or in any way	
	affecting the environemental parameters/impacts as assessed,	
	based on which only the EC is issued, the project would require	
	a fresh appraisal by this Authority, for which the proponent	
	shall apply and get the approval of this Authority.	

Compliance:

At present there is no change in the scope of the project. The project proponent will apply for Environmental clearance in the case of any change(s) in the scope of the project.

r		
33	The Authority reserves the right to add additional safe guard	Noted
	measures subsequently, if found necessary, and to take action	
	including revoking of the environment clearance under the	
	provisions of the Environmental (Protection) Act 1986, to ensure	
	effective implementation of the suggested safeguard measures in	
	a time bound and satisfactory manner.	

The project proponent is aware and agreed with right of authority to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

34The 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.

Compliance:

The stipulated orders and directions under different act and notification including EIA notification will be scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below

- > Kerala Minor Mineral Concession Rules, 2015.
- ➤ Mines Act, 1952
- ► Explosive Rules, 2008
- > Kerala Panchayat Raj Act, 1994
- Central Ground Water Authority
- > Water Pollution (Prevention & Control) Act, 1974
- > Air Pollution (Prevention & Control) Act, 1981
- > Environment Protection Act, 1986
- > EIA Notification, 2006 / 2009

35The project proponent should advertise in at least two local newsCompliedpapers widely circulated in the region, one which (both
advertisement and the newspaper) shall be in the vernacular
language informing that the project has been accordedComplied

Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala 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 the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.

Compliance:

The project proponent advertised in two local news papers widely circulated in the region, one which in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages was forwarded to the office of this authority as confirmation. The copy of the advertisement given in two local newspapers is provided at **Annexure No.10.** The details are given below.

<u> TABLE 3 – Newspaper Advertisement</u>

SI. No	News paper	Language	Date of edition
01	Mathrubhumi	Malayalam	24-May-2017
02	Hindu	English	24-May-2017

36A copy of the clearance letter shall be sent by the proponent to
concerned Grama/District Panchayath / Municipality /
Corporation / Urban Local Body and also to the Local NGO, if any
from whom suggestions / representations, if any were received
while processing the proposal. The Environmental Clearance
shall also be put on the website of the company by the
proponent.Complied

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The copy of Environmental clearance is uploaded in the website.

37The proponent shall submit six monthly 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.

Compliance:

The compliance report is being submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The results of monitored data are provided at **Annexure No. 6, 7 & 8.**

38The details of Environmental Clearance should be prominently
displayed in a metallic board of 3 ft x 3ft with green background
and yellow letters of Times New Roman font of size of not less
than 40. Sign board with extent of lease area and boundaries
shall be depicted at the entrance of the quarry, visible to the
public.Complied

Compliance:

The details of Environmental Clearance are prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.

39The 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.Complied

Compliance:

The proponent has provided notarized affidavit (indicating the number and date of Environmental Clearance proceedings hat all the conditions stipulated in the EC shall be scrupulously followed.

I	40	No change in mining technology and scope of working should be	Noted
		made without prior approval of the SEIAA, No further expansion	
		or modification in the mine shall be carried out without prior	
		approval of the SEIAA, as applicable.	

Compliance:

At present, the project proponent is not intending to expand the area of mine, technology and scope of working. The project will appear SEIAA for Environment Clearance if the project wants to expand its scope. The mining is progressing as per submitted plan.

41	The project proponent shall ensure that no natural water course	Complied
	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.	

Compliance:

The Rain water harvesting pond in the site is working as clarifiers to prevent the quarry waste within the site. The project proponent has installed additional clarifiers in the project site to prevent sediments and wastes from quarry site to enter in to the main stream. The project proponent has constituted a Cell to monitor such commitments to the community.

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 un loading points & transfer point to reduce fugitive emissions.

Compliance:

The project proponent has monitored the ambient air quality as per National Ambient Air Quality Standard (NAAQS), during the time of appraisal of the project. The project proponent is intending to increase splashing of water and installation of sprinklers at loading, unloading and transfer points.

The top soil, if any, shall be temporarily be stored at earmarked complied 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 staked 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 bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.

Compliance:

The natural resources like top soil and overburden are stacking in a designated place within the project site. Only topsoil are being used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess are stored in a designated place as per the direction of State Environment Impact Assessment Authority (SEIAA).

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 de silted particularly after monsoon and maintained properly.

Compliance:

The project proponent has constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels directed the water to the rain water collection pond. All sediments and silts are settling at the bottom of the pond and only cleared water is letting out. The water from the pond can be used for splashing of water on roads to arrest the dust.

45 Effective safeguard measures such as regular water sprinkling complied shall be carries out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5}, such as haul road, loading an un loading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters confirm to the norm prescribed by the Central Pollution Control Board in this regard.

Compliance:

The project proponent is regularly checking the air quality in the site and spraying water in critical areas prone to air pollution with the help of vehicle. The project proponent has placed mobile sprinklers in critical area to reduce the dust emission. The ambient air quality is monitored with the help of an approved laboratory at regular interval.

46 Fugitive dust emission from all the sources should be controlled complied regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer point should be provided and properly maintained.

The project proponent has installed mobile sprinklers in critical area to reduce the dust emission. The water spraying has been carried out regularly to arrest the dust emission. The sprinklers and vehicle for water spraying is being properly marinated.

47	Measures should be taken for control of noise levels below 85	Complied
	dBA in the work environment.	

Compliance:

The main sound generating activities in the mining area are playing of jack hammer, breaker, vehicles and blasting operations. The level noise from all these activities will not go beyond 85dBA. The project proponent will take appropriate action to reduce the sound by employing possible measures. These are mentioned under the condition number 11. At present all machines and vehicle are properly maintained in the industry.

48	A separate Environmental Management Cell with suitable qualified	complied
	personal should be set up under the control of a senior executive, who	
	will report directly to the Head of the Organization.	

Compliance:

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project has constituted an Environment Monitoring Cell with Mr. M P Thomas as the head of the Cell. This cell concurrently monitors and evaluates the safeguard measures implemented in the project site.

49	The funds earmarked for environmental protection and CSR	Noted
	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.	

Compliance:

The project proponent could execute many activities under Corporate Social Responsibility (CSR) for community development. To implement these activities in a good manner, the project proponent will open an account for keeping the funds earmarked for environmental protection and CSR.

50The 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.Noted

Compliance:

The project proponent can extent all possible cooperation to the officers form regional office of MoEF & CC and can produce all data/information/reports when they are asking for.

- 51Any 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.
- 52Concealing the factual data or submission of false/ fabricated dataNotedand 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.Noted
- 53 The SEIAA may revoke or suspend the order, for non Noted implementation of any of the specific or this implementation of any 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.

The project proponent is willing to implement the conditions stipulated in the Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

54	The above conditions shall prevail not withstanding anything to	Complied
	the contrary, in consistent, or simplified, contained in any other	
	permit, license on consent given by any other authority for the	
	same project.	

Compliance:

The project proponent is giving priority to the conditions stipulated in the Environment clearance Order for its execution.

55	This order is valid for a period of 5 years or the expiry date of mine	Noted	
	lease period issued by the Govt. of Kerala, whichever is earlier.		

The project proponent has applied in SEIAA to get life of mine as validity of EC

56	The environmental clearance will be subject to the final order of	Noted
	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	Noted
	table and is should not intersect ground water table.	

Compliance:

The project proponent has restricted its mining operations above the ground water table.

58All vehicle used for transportation and within the mine shall have
"PUC" certificate from authorized pollution taking center.Complied

Washing of all vehicles shall be inside the lease area.

Compliance:

As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring conducts only in authorized pollution checking center.

59 Project proponent should obtain necessary prior permission of Noted the competent authorities for drawl of requisite quantity of surface water and ground water for the project.

Compliance:

At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

60	Regular monitoring of flow rates and water quality upstream and	No such
	down streams of the springs and perennial nallahs flowing in and	streams
	around the mine lease area shall be carried out and reported in	
	the six monthly report to SEIAA.	

Compliance:

There is no stream or springs flowing in and around to the mine lease area. The project proponent has installed de siltation trap and other mechanism to prevent sediments and wastes from the mining area entering in to the public drainage system.

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

Compliance:

The project proponent has conducted an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala Government for the labours working in mining area and crusher.

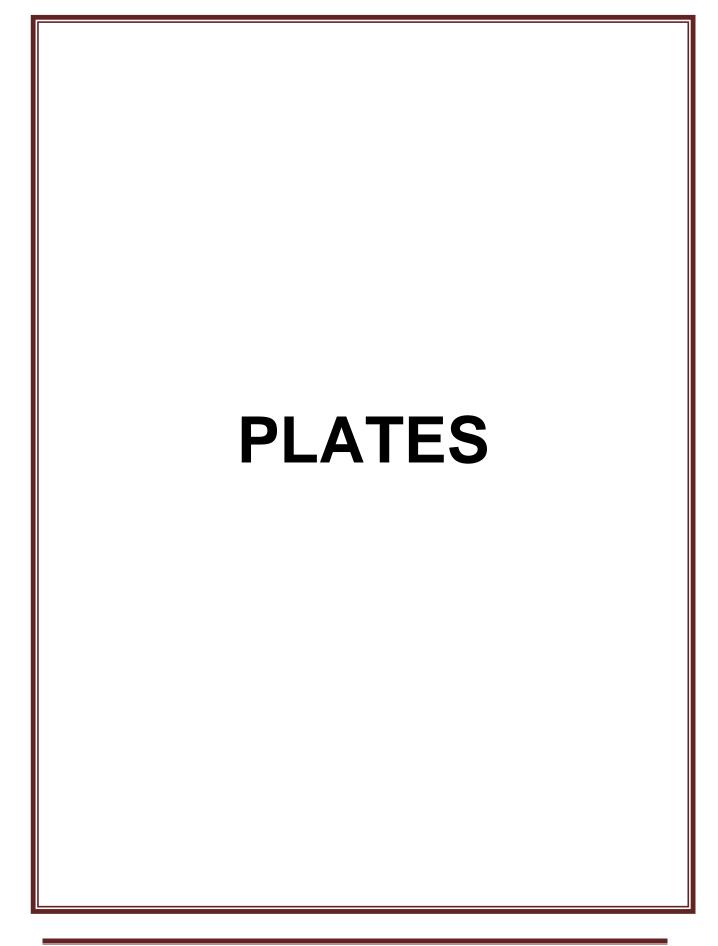


Plate No. 1



Rain Water Collection pond Plate No.2



Fencing by barbed metal wire

Plate No. 3



Warning alarm installed in the project site Plate No.4



Over burden stacked in designated place within project site

Plate No.5



Mining area Plate No.6

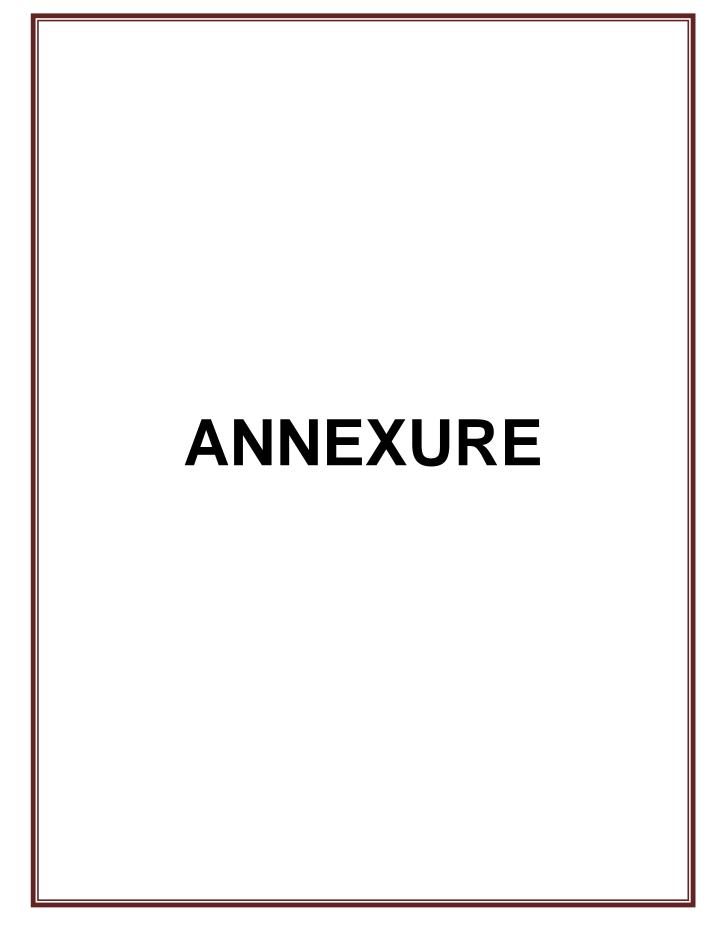


Covered truck

Plate No.7

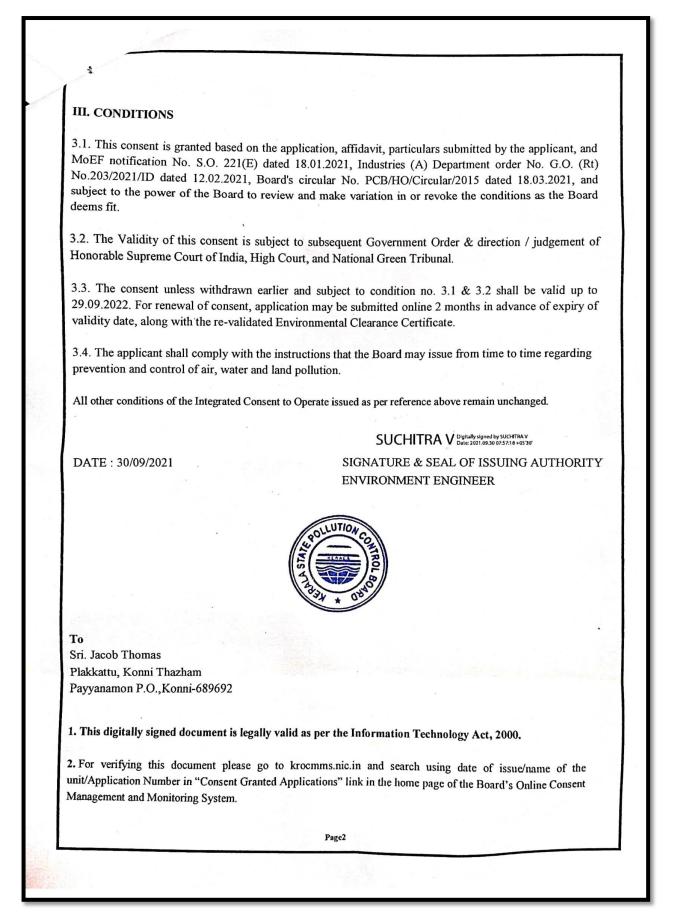


Magazine

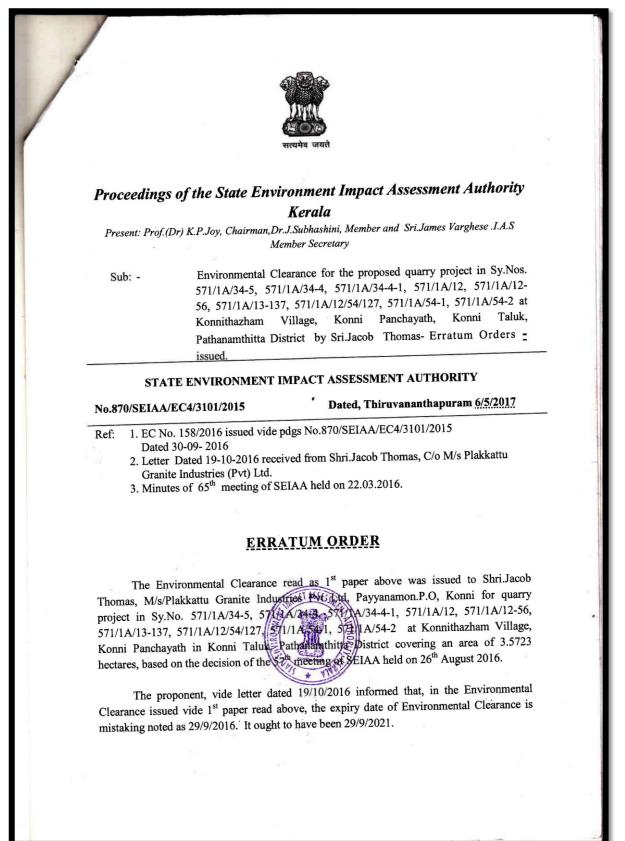


Annexure No.1

			Meters)	Roof Level(In Meters)	~quipment	
No.	Source of Emission	Emission Rate(Nm3/Hr)	Stack Hei Ground Level(In		Control Equipment	
		Page -				
5 1.16. Machinery Details			(1) Box compressor with jack hammer [2No.s]- 90HP each, (2) Excavator with breaker [3No.s]-110HP each; Total- 510HP			
TREASE SALES	Contraction of the second	and the state of the state of the state	350			
Total Re	emitted Fee		Rs.2,63,959/ Rs.1,55,864/	Rs.2,63,959/- [Excess FeeRemitted- Rs.1,55,864/-]		
1.10.4			571/1A/12, 5 571/1A/12/5 571/1A/12/5	571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2 (3.5723 HECTARES)		
1.6. Sur	vey Number		571/1A/34-4	, 571/1A/34-4-1, 5	71/1A/34-5,	
1.1. Val			29/09/2022			
Sue :30/09 To : QCO/ ONSENT ENT No.: (IE APPLIC grated Con TTU GRA p to 20/09 RIES Pvt. I r reference llowing mo	D/2021 INTEGRA PTA/100/R3/202 No.: QCO/PTA/ QCO/PTA/100/F CATION No.: 10 sent to Operate' i NITE INDUSTR D/2022 and issued Ltd., PAYYANA e are integral part odifications/ addit	TED CONSENT ' 1 100/R2/2016, DATE 82/EXP/2017, DATE 5178832 ssued as per reference IES Pvt. Ltd., PAYY to M/s QUARRY C MON P.O., KONNI, of this renewal order tions.	C OF ISSUE: 31/08/2 C OF ISSUE: 26/12/2 Ce above to M/s QUA ANAMON P.O., KO WNED BY JACOB , PATHANAMTHIT	2016, VALID UP T 2017, VALID UP T ARRY OWNED BY NNI, PATHANAM THOMAS PLAKK FA. The consent(s)/ acct to the conditions	O: 29/09/2021 JACOB THOM THITTAis hereb ATTU GRANIT variation order(
		11				
	KERALA	A STATE POLLU	TION CONTROL	BOARD		
	sue :30/09 fo : QCO/ ONSENT ENT No.: 0 (E APPLIC grated Con TTU GRA p to 20/09 RES Pvt. 1 r reference llowing mo RAL 1.1. Val 1.6. Sur 1.12. An Total Re 1.13. Ca	PCB/PTA/QCO/112/20 sue :30/09/2021 INTEGRA to : QCO/PTA/100/R3/202 ONSENT No.: QCO/PTA/ CNT No.: QCO/PTA/100/F E APPLICATION No.: 10 grated Consent to Operate' i TTU GRANITE INDUSTR p to 20/09/2022 and issued RES Pvt. Ltd., PAYYANA r reference are integral part lowing modifications/ addir RAL Ite 1.1. Validity 1.6. Survey Number 1.12. Annual Fee Total Remitted Fee 1.13. Capital Investmen 1.16. Machinery Details Details	PCB/PTA/QCO/112/2011 sue : 30/09/2021 INTEGRATED CONSENT ' To : QCO/PTA/100/R3/2021 ONSENT No.: QCO/PTA/100/R2/2016, DATH CNT No.: QCO/PTA/100/R2/2017, DATH E APPLICATION No.: 16178832 grated Consent to Operate' issued as per reference TTU GRANITE INDUSTRIES Pvt. Ltd., PAYY p to 20/09/2022 and issued to M/s QUARRY C RES Pvt. Ltd., PAYYANAMON P.O., KONNI, r reference are integral part of this renewal order flowing modifications/ additions. RAL Items 1.1. Validity 1.6. Survey Number 1.12. Annual Fee Total Remitted Fee 1.13. Capital Investment(Rs. in Lakhs) 1.16. Machinery Details No. Source of Emission	:PCB/PTA/QCO/112/2011 sue :30/09/2021 INTEGRATED CONSENT TO OPERATE - F fo : QCO/PTA/100/R3/2021 ONSENT No.: QCO/PTA/100/R2/2016, DATE OF ISSUE: 31/08/2 CONSENT No.: QCO/PTA/100/R2/EXP/2017, DATE OF ISSUE: 26/12/2 E APPLICATION No.: 16178832 grated Consent to Operate' issued as per reference above to M/s QUA TU GRANITE INDUSTRIES Pvt. Ltd., PAYYANAMON P.O., KO p to 20/09/2022 and issued to M/s QUARRY OWNED BY JACOB RES Pvt. Ltd., PAYYANAMON P.O., KONNI, PATHANAMTHIT reference are integral part of this renewal order and this order is subj Items 1.1. Validity 29/09/2022 1.6. Survey Number 571/1A/34-4 571/1A/12/5 1.1.2. Annual Fee Rs.37,500/-, Total Remitted Fee Rs.2,63,959/ ISO Source of Monte Source of Materia Source of	sue :30/09/2021 INTEGRATED CONSENT TO OPERATE - RENEWAL To : QCO/PTA/100/R3/2021 ONSENT No.: QCO/PTA/100/R2/2016, DATE OF ISSUE: 31/08/2016, VALID UP TO ENT No.: QCO/PTA/100/R2/EXP/2017, DATE OF ISSUE: 26/12/2017, VALID UP TO EAPPLICATION No.: 16178832 grated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY TTU GRANITE INDUSTRIES Pvt. Ltd., PAYYANAMON P.O., KONNI, PATHANAM p to 20/09/2022 and issued to M/s QUARRY OWNED BY JACOB THOMAS PLAKK RAL Items Description 1.1. Validity 29/09/2022 1.6. Survey Number 571/1A/34-4, 571/1A/34-4-1, 5 571/1A/12, 571/1A/	

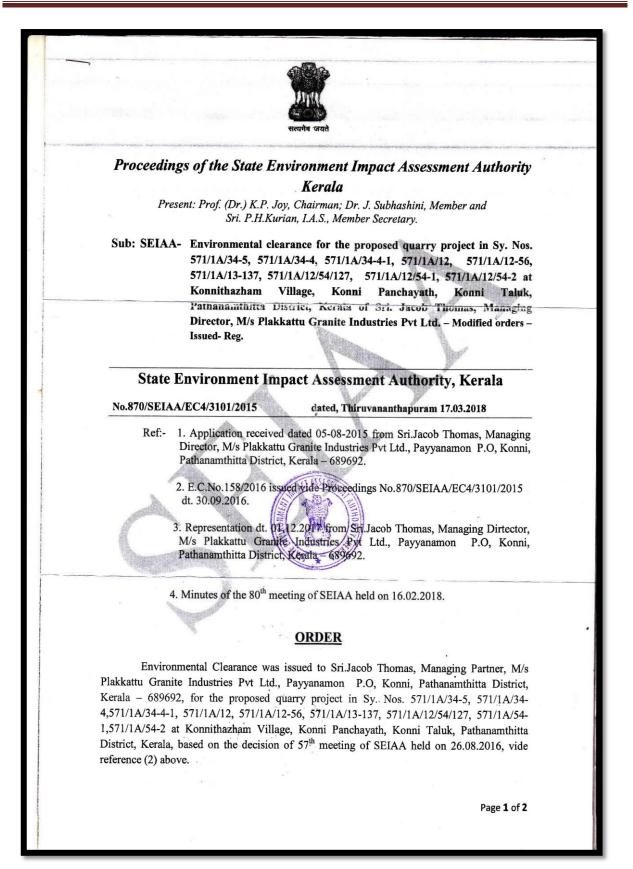


Copy of Consent form PCB



The Authority in its 65th meeting held on 22nd March 2017 decided to correct the expiry date in the Environmental Clearance as 29.09.2021 instead of 29.09.2016. Therefore the expiry date of the Environmental Clearance issued vide 1st paper read above is hereby corrected as 29/9/2021. This erratum order is issued accordingly. The Environmental Clearance issued vide reference 1st cited stands modified to this extent only. James Varghese I.A.S., Member Secretary (SEIAA) Copy to Sri.Jacob Thomas, Managing Director, M/s Plakkattu Granite Industries Pvt.Ltd, Payyanamon P.O.,Konni, Pathanamthitta District - 689 692. To, 1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E &R Wing II Block, Koramangala, Bangalore - 560034. 2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala 3. Director, Mining & Geology, Thiruvananthapuram -4, 4. District Collector, Pathanamthitta 5. Secretary, Konni Grama Panchayat, Konni.P.O., Pathanamthitta - 689 691. 6. Chairman, SEIAA 7. Website, 8. S/F 9. O/c Forwarded /By Order end Administrator (SEIAA)

Copy of Environmental Clearance Order



The proponent, vide representation under reference (3) above has informed that, in the Environmental Clearance issued vide 2^{nd} paper above, there was an error in survey numbers mentioned in the application submitted by them. Now, the proponent requested to change in survey numbers in the Environmental Clearance Order. Necessary documents have been submitted to prove the same.

The Authority in its 80th meeting held on 16.02.2018 decided to to correct the error to the extent that the Survey Numbers mentioned in reference 2 above is hereby corrected and read as, 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2.

The Environmental Clearance issued vide reference 2nd cited stands modified to this extent only.

Sd/-P.H.KURIAN.I.A.S, Member Secretary (SEIAA)

Sri.Jacob Thomas, Managing Director, M/s Plakkattu Granite Industries Pvt Ltd., Payyanamon P.O, Konni, Pathanamthitta District, Kerala – 689692

Copy to,

- MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.
- 2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala.
- 3. The Director, Mining & Geology, Thiruvananthapuram -4.
- 4. District Collector, Pathanamthitta
- 5. Secretary, Konni Grama Panchayath, Konni P.O., Pathanamthitta- 689691.
- 6. Chairman, SEIAA.
- 7. Website
- 8. S/f 9. O/c

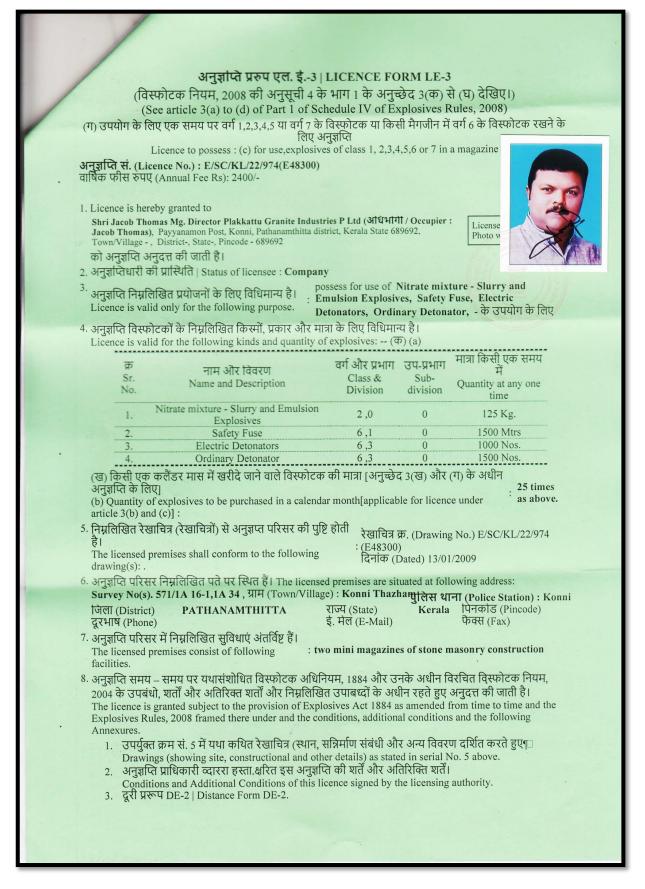


Forwarded/By Order

Administrator, SEIAA

Page 2 of 2

Copy of Revised Environmental Clearance Order



9. यह अनुज्ञप्ति तारीख 31 र 2010.	मार्च 2010 तक विधिमान्य रहेग	This licence shall remain val	id till 31st day of March	
0.00-	। या उसके अधीन विरचित निय	मों या अनुसूची V के भाग 4 के प्रति	निर्दिष्ट सेट-VII के अधीन तथा	`
		मा यो अंगुजूयों ए ये नाम पं ये जात ग यदि अनुज्ञप्त परिसर योजना यो ज तंहत की जा सकती है, जहां वह लाग		
This licence is liable to	be suspended or revoked for	or any violation of the Act of Kul	o in Part 4 of Schedule V or	
if the licensed premise hereto.	es are not found conforming t	to the description shown in the pl	as crimenti e firecce at	
0	7	नंयुक्त मुख्य विस्फोटक नियंत्रक	Sd/-	
तारीख The Date - 13	/01/2009		Explosives South Circle, Chennai	
Amondment of Quant	ity of Explosives/Monthly P ity of Explosives/Monthly P नवीनीकरण वे	urchase Limit dated : 02/08/2011 urchase Limit dated : 06/12/2013 urchase Limit dated : 14/12/2017 रु पृष्ठांकन के लिए स्थान dorsement of Renewal		
नवीकरण की तारीख	समाप्ति की तारीख	अनुज्ञापन प्राधिकारी केन्द्र Signature of licensing a	स्ताक्षर और स्टाम्प	
Date of Renewal	Date of Expiry 31/03/2025	Dy. Chief Controller of E		
18/02/2020	31/03/2025	Dy. Chief Controller of D.	represented,	
		उप मुख्य विस्फोटक नि	नेयंत्रक	
	फोटकों को गलत ढंग से चला	उप मुख्य विस्फोटक जि Deputy Chief Controlle एरनाकुलम Ernakulam	าขัสซ er of Explosives	
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कानूनी चेतावनी : विस्प		उप मुख्य विस्फोटक जि Deputy Chief Controlle एरनाकुलम Ernakulam ने या उनका दुरूपयोग विधि के होगा। Explosives shall constitute seri	नयंत्रक er of Explosives अधीन गंभीर दांडिक अपराध	
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कानूनी चेतावनी : विस्प		उप मुख्य विस्फोटक जि Deputy Chief Controlle एरनाकुलम Ernakulam ने या उनका दुरूपयोग विधि के होगा। Explosives shall constitute seri	नयंत्रक er of Explosives अधीन गंभीर दांडिक अपराध	
कानूनी चेतावनी : विस्प		उप मुख्य विस्फोटक जि Deputy Chief Controlle एरनाकुलम Ernakulam ने या उनका दुरूपयोग विधि के होगा। Explosives shall constitute seri	नयंत्रक er of Explosives अधीन गंभीर दांडिक अपराध	
कानूनी चेतावनी : विस्प		उप मुख्य विस्फोटक जि Deputy Chief Controlle एरनाकुलम Ernakulam ने या उनका दुरूपयोग विधि के होगा। Explosives shall constitute seri	नयंत्रक er of Explosives अधीन गंभीर दांडिक अपराध	
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Copy of Explosives - license

	തീയതി20/03/2021
കോന്നി ഗ്രാ	മപഞ്ചായത്തിൽ നിന്നും
1994 ലെ കേരളാ പഞ്ചായത്ത് അ	ഉക്ട് (1994 ലെ 13) 232, 233, 254 എന്നീ
	ളള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന
ഫാക്ടറി/വ്യാപാരം/സംരംഭക	ത്വം/മറ്റ് സേവനങ്ങളുടെ ലൈസൻസ്
	ജേക്കബ് തോമസ്
ലൈസൻസിയുടെ പേരും	മാനേജിംഗ് ഡയറക്ടർ
മേൽവിലാസവും	പ്ലാക്കാട്ട് ഗ്രാനൈറ്റ് ഇൻഡസ്ട്രീസ് പ്രൈ. ലിമിറ്റഡ്
	പയ്യനാമൺ. പി.ഒ, കോന്നി
സ്ഥാപനത്തിന്റെ പേരും	പ്ലാക്കാട്ട് ഗ്രാനൈറ്റ് ഇൻഡസ്ട്രീസ് പ്രൈവറ്റ്. ലിമിറ്റ
സ്ഥലനാമവും	പയ്യനാമൺ
	ക്വാറി, പാറ പൊട്ടിച്ച് നീക്കം ചെയ്ത് വിൽപന നടത്തുന്നതിന്
ലൈസൻസ് നൽകിയിട്ടുളള പ്രവർത്തനങ്ങൾ	Share a supervise state
പ്രവരത്തനങ്ങൾ കെട്ടിടത്തിനു നമ്പരും	SURVEY NO: 571/1A/34-5,571/1A/34-4,571/1A/12-1571/1A34-5,571/1A/12-
വാർഡ് നമ്പറും	56,571/1A/12/54-1,571/1A12-54-2,571/1A13-137,537/1A/121-54/127
	1/4/2021 മുതൽ 31/3/2022 വരെ
ലൈസൻസ് കാലയളവ്	
	And the second s
	ലൈസൻസ്ഫീ്15000 രൂപ രസീത് നമ്പർ
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	പ്രൊഫ. ടാക്സ2500രൂപ 120020-108194,108195
	മോട്ടോർ ഫീസ് 5100 രൂപ 20/3/2021
ലൈസൻസ് അനുവദിക്കുണതിനായി	 മലിനീകരണ നിയന്ത്രണ ബോർഡിന്റെ അനുമതി
ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ	കാലാവധി (31.03.2025)
വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്,	അതോറിട്ടിയിൽ നിന്നുള്ള അനുമതി കാലാവധി
നൽകിയ അധികാര സ്ഥാനം)	(29.09.2021) 3)പെട്രോളിയം & എക്സ്പ്ലോസീവ് സേഫ്റ്റി
	ഓർഗനൈസേഷൻ നിന്നുള്ള കാലാവധി (31.03.2025) 4) ക്വാറിയിംഗ് ലീസ് അനുമതി കാലാവധി (12.03.2028)
	5) ഫാക്ടറീസ് & ബോയിലേഴ്സിൽ നിന്നുള്ള അനുമ
De LOCAL DE LOCAL	കാലാവധി(31.12.2022)
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Solution to a set	കാലാവധി(31.12.2022)
Statistics story	

Copy of Gram Panchayath license

PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY

- Sub: Mining & Geology Mines & Minerals Minor Minerals Granite Building Stone Quarrying Lease to M/s Plakkattu Granite Industries Pvt. Limited, (Represented by its Managing Director, Shri. Jacob Thomas, S/o Thomas Jacob residing at Plakkattu House, Payyanamon P O, Konni, Pathanamthitta- 689 692 -sanctioned -orders -issued.
- Ref. 1. Application dtd. 19/04/2017 from to M/s Plakkattu Granite Industries Pvt. Limited, Payyanamon P O, Konni, Pathanamthitta- 689 692 (Represented by its Managing Director, Shri. Jacob Thomas, S/o Thomas Jacob residing at Plakkattu House, Payyanamon P O, Konni, Pathanamthitta- 689 692)
 - 2. Letter No. 673/DOPTA/M/2017 dtd 14/09/2017, 12/10/2017 & 15/11/2017 from the Geologist, District Office, Pathanamthitta
 - 3. Letter of Intent No. 8571/M3/2017 dtd 22/11/2017.
 - 4. Pro.order. No. 870/SEIAA/EC4/3101/2015 dtd. 30/09/2016 (EC. No. 158/2016) & Erratum Order dated 06/05/2017 of the State Environment Impact Assessment Authority, Kerala
 - 5. Mines and Minerals (Development & Regulation) Act, 1957.
 - 6. Kerala Minor Mineral Concession Rules, 2015.
 - 7. Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015.

No. 740/2017-18/8571/M3/2017/DMG Dated, Thiruvananthapuram 09/02/2018

ORDER

A quarrying lease is granted to M/s Plakkattu Granite Industries Pvt. Limited, Payyanamon P O, Konni, Pathanamthitta- 689 692 (Represented by its Managing Director, Shri. Jacob Thomas) to quarry Granite (Building Stone) over an area of 3.5723 Hectares of land comprised in Survey No. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2 of Konnithazham Village, Konni Taluk, Pathanamthitta District for Ten (10) years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 2015 and as per the survey map issued by the Tahsildar, Konni and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

- Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
- Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
- Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
- 4. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015.
- 5. The lessee shall also deposit an amount of Rs 10,000/- (Rupees Ten Thousand only) per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules. The lessee shall commence quarrying operation only after the deed is executed and registered.
- The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
- 7. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
- 8. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the quantity specified in the Mining Plan submitted by the lessee and the same is restricted to **1,20, 000 Metric Tonnes per year**

- 9. (i) The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the permit holder, mineral concession
 - number and date, the mineral to extracted, permit number and date and its date of expiry, quantity of extraction permitted (if applicable). Area of extraction permitted, explosives used (if any), etc.
 - (ii) The lessee shall erect a warning board with danger sign regarding operation of the quarry, 100 metres away by the side of the road leading to it.
- The lessee shall fence the lease area before the commencement of the quarrying operation 10. for preventing accidents by failing of human beings, animals, vehicles or any materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.
- The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties 11. including government puramboke land while carrying out quarrying operations.
- The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any 12. person without previous permission of the Director of Mining & Geology.
- The lessee shall pay tax related to Revenue Department, if any, as directed by them and the 13. details should be furnished to the Geologist periodically.
- The lessee shall operate the quarry in accordance with the condition stipulated in the 14. environmental clearance and mining plan submitted by them.
- The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from 15. other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
- The lessee shall produce scheme of mining before completion of five years of operation of 16. the quarry.
- The lessee shall produce a financial guarantee for Rs. 1, 00, 000/- (Rupees one lakh only) 17. as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
- The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be 18. paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
- The lessee shall carryout mining operations as per the approved mining plan. 19.
- The lessee shall renew Environmental Clearance on or before 29/09/2021 for the operation of 20. the quarry for the remaining period.
- The quarrying permit granted from the district office, if any, in the area of this quarrying 21. lease is hereby stands cancelled from the date of this order.
- The lessee shall comply all the conditions maintained in the statutory licenses. 22.

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

Sd/-C. K. BAIJU DIRECTOR OF MINING & GEOLOGY (I/C)

To

M/s Plakkattu Granite Industries Pvt. Limited, Payyanamon P O, Konni, Pathanamthitta- 689 692

(Represented by its Managing Director, Shri. Jacob Thomas) Copy to:

- 1.
 - The Director of Mines Safety, No.5, 100FT,Road,17th Main, Koramangala 4th Block Bengaluru, Karnataka - 560034 The District Collector, Pathanamthitta

 - The Geologist, District Office, Pathanamthitta 3
 - The Tahsildar, Konni 5. Stock File (2), File copy



BY ORDER

Lans JUNIOR SUPERINTENDENT

4

Copy of Lease Order



TEST REPORT

Report No: 20211213/R031		Date: 18-12-2021	Page 1 of 1
	CUSTON	IER DETAILS	
Customer Name & Address	M/s Plakkattu Granit Payyanamon,Konni, Pathanamthitta District	 C. F. P. (2019) 42. (2019) 42. (2019) 41. (2019) C. M. (2019) 42. (2019) 42. (2019) 	
Customer Reference	Test Request dt: 13-12-2021		

	SAMPLE DE	TAILS		
Product Category	Atmospheric Pollution Sample Code		20211213/S031	
Sample Name	Ambient Air	Sample Received on	14-12-2021	
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	14-12-2021	
Sampled by	Lab Authorized Sampler	Test Completed on	17-12-2021	
	DETAILS OF S	AMPLING		
Sampling Location	East side Boundary	Date of Sampling	13-12-2021	
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	66%	
	SAMPLING SIT	E DETAILS		
Survey No. 571/1A34-5,571/1A34-4, 571/1A34-41, 571/1A12, 571/1A12-56,571/1A13- 137,571/1A12-54-122,571/1A12-54-1,571/1A12-54-2.				
Village	Konnithazham	Taluk	Konni	
District	Pathanamthitta	State	Kerala	

SI NAAO							
No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards		
1	Particulate Matter, PM10	IS 5182 Part 23: 2006 RA 2017	μg/m ³	46.2	Max 100		
2	Particulate Matter, PM _{2.5}	EPA 40 CFR Part 50 Appendix – L	µg/m³	21.9	Max 60		
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2: 2001 RA 2017	µg/m³	< 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:

Shency Joy Dy.TM-Chemical 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.

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Copy of result of Air

Repor	Report No: 20211213/R032				Date: 18-12-2	2021	1	Page 1 of 1	
				CUSTOM	IER DETAILS				
~			M/s Pla	kkattu Granite	e Industries (P)Lte	đ			
Addre	mer Nam ss	eŏs	Payyana	Payyanamon,Konni,					
			Pathana	mthitta District.					
Custo	Customer Reference Test Request dt: 13-12-202				21				
				DETAILS O	F MONITORING				
Produ	ict Catego	ry	Atmosph	eric Pollution	Sample Code		20211	213/8032	
Samp	le Name		Ambient	Noise	Monitoring Com	nenced on	13-12	-2021/ 06:00	
Monit	oring Loc	ation	East side	boundary	Monitoring Comp	oleted on	14-12	-2021/ 06:00	
Test N	<i>l</i> ethod		IS 9989:1	.981	Monitored by		Lab A	uthorized Sampler	
					G SITE DETAILS				
Surve	y No.				4, 571/lA34-4-1, 57 571/1A12-54-l,57			2-56,571/1A13-	
Village	e		Konnitha	nazham Taluk			Konni		
Distri	ct		Pathanan	nthitta	State		Kerala		
				MONITORIN	G RESULTS - Leq				
Т	IME	RESULT	S dB(A)	TIME	RESULTS dB(A)	TIN	Æ	RESULTS dB(A)	
0	06:00	38	.5	14:00	51.6	22:	00	37.3	
0	07:00	41	.3	15:00	52.0	23:	00	35.7	
0	08:00	45	.7	16:00	53.2	24:	00	38.3	
0	9:00	49	.2	17:00	53.6	01:	00	39.0	
1	0:00	51	.6	18:00	48.0	02:	00	38.6	
1	1:00	54	.8	19:00	44.5	03:	00	39.4	
12:00 52		.0	20:00	40.5	04:	00	38.3		
1	3:00	51	.2	21:00	40.0	05:	00	40.1	
			TEST	RESULTS- CI	HEMICALPARAMI	ETERS			
Sl. No.			PAR	AMETERS		UNIT		RESULT	
1	Ambier	nt Sound Lev	el (Leq) Da	y Time (06:00 to	22:00)	dB(A)		50.1	
1990						1	1	contraction of	

2 A1 Remarks:

End of Report

dB(A)

Ambient Sound Level (Leq) Night Time (22:00 to 06:00)

Checked by:

Authorized Signatory

38.5

Copy of result of Noise Level



TEST REPORT

Report No: 20211213	3/R033	Date: 18-12-2021	Page 1 of 2		
CUSTOMER DETAILS					
Customer Name & Address	M/s Plakkattu Granite Indu Payyanamon,Konni, Pathanamthitta District.	stries (P)Ltd			
Customer Reference	Test Request dt: 13-12-2021				

	SAMPLE	DETAILS	
Product Category	Water	Sample Code	20211213/\$033
Sample Name	Ground Water	Sample Received on	14-12-2021
Sample Conditions at Receipt Fit for Analysis		Temperature @ Receipt	4°C
Sample Quantity& Packing	1L & 250ml Plastic Bottles	Test Commenced on	14-12-2021
Sampled by	Lab Authorized Sampler Test Completed o		17-12-2021
	DETAILS OF	SAMPLING	
Sample Source	Open Well	Date of Sampling	13-12-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	31 °C
	SAMPLING SI	ITE DETAILS	
Survey No.	571/1A34-5,571/1A34-4, 571 137,571/1A12-54-122,571/1		
Village	Konnithazham	Taluk	Konni
District	Pathanamthitta	State	Kerala

	TEST RESULTS – CHEMICAL PARAMETERS						
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)		
1	Colour	IS 3025 Part 4:1983	Hazen	1	5.00 (Max)		
2	Odour	IS 3025 Part 5:2018		Agreeable	Agreeable		
3	Turbidity	IS 3025 Part 10:1984	NTU	0.2	1.00 (Max)		
4	рН	IS 3025 Part 11:1983		98.0	6.50 - 8.50		



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.

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TEST REPORT

Repo	ort No: 20211213/R033		Date: 18-12-2021 Page 2 of 2			
	TE	ST RESULTS - CHEM	IICAL PARAMETE	RS		
Sl. No.	PARAMETERS	TEST METHO	D UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)	
5	Conductivity	IS 3025 Part 14:1984	μS/cm	112		
6	Total Dissolved Solids	IS 3025 Part 16:1984	mg/L	72.0	500 (Max)	
7	Total Hardness (as CaCO3)	IS 3025 Part 21:2009	mg/L	38.0	200 (Max)	
8	Calcium (as Ca)	IS 3025 Part 40:1991	mg/L	11.2	75.0 (Max)	
9	Magnesium (as Mg)	IS 3025 Part 46:1994	mg/L	2.44	30.0 (Max)	
10	Chloride (as Cl)	IS 3025 Part 32:1988	mg/L	10.9	250 (Max)	
11	Total Alkalinity (as CaCO3)	IS 3025 Part 23:1986	mg/L	20.1	200 (Max)	
12	Iron (as Fe)	IS 3025 Part 53:2003	mg/L	<0.10	1.00 (Max)	
13	Sulphate (SO4)	IS 3025 Part 24:1986	mg/L	<1.00	200 (Max)	

	TEST RESULTS – CHEMICAL PARAMETERS						
S1. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)		
14	Total Coliform Bacteria	IS 15185 : 2016		Absent/100 ml	Absent/100 ml		
15	E coli	IS 15185 : 2016		Absent/100 ml	Absent/100 ml		
Rema	rks:		W.		L		

End of Report



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Copy of result of Water

2910 Cert No. SMU-E भारत सरकार/Government of India खान अधिनियम, 1952/Mines Act, 1952 खनन परीक्षा बोर्ड/Board of Mining Examinations द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण--पत्र SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY (धात्विकीय खान विनियम, 1961 के अन्तर्गत) (Under the Metalliferous Mines Regulations, 1961) कलैयारसन जी गुणासेकरन श्री सुपुत्र है, को विहित अर्हताएं एवं अनुभव प्राप्त करने जिनकी जन्म तिथि 03.10.1995 का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा धात्विकीय खानों के प्रबंध हेतु द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 09 फरवरी 2020 से प्रभावी है। son of GUNASEKARAN KALAIARASAN G Shri having given satisfactory evidence of possessing **03 OCTOBER 1995** born on the prescribed qualifications and experience is hereby granted SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY to manage the metalliferous mines. This certificate is effective from. 09.02.2020 अध्यक्ष खनन परीक्षा बोर्ड खनन परीक्षा बोर्ड Chairman Secretary Board of Mining Board of Mining Examinations Examinations Signed and Sealed Date 09/06/2020

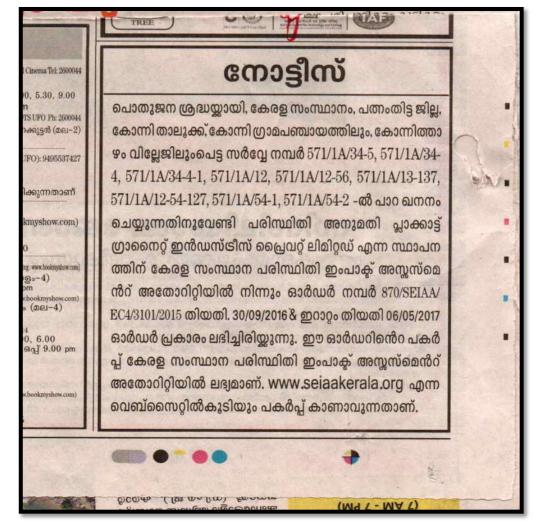
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Certificate of Mining mate





Copy of newspaper advertisement