

COMPLIANCE REPORT

April 2022 – September 2022

QUARRY PROJECT

M/S RUBY STONE CRUSHER

KOZHIKODE DISTRICT

KERALA



PMP Estate, Engapuzha (Poolode), P.O. Chamel, Thamarassery, Kozhikode
Kerala - 673 573, Mob:9446012919, Tel: 0495-3156001 -E-mail: rubystonecrusher@yahoo.com

Ref:

Date :

Dt.12-12-2022

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. 10/DEIAA/KL/MIN/3970/2017

**Sub :- Environment Clearance – Quarry project at Kattippara Village,
Kattippara Panchayath, Thamarassery Taluk, Kozhikode District, Kerala –
Compliance Report – First Half - Reg.**

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for **4.1943 Ha.** by order No. **10/DEIAA/KL/MIN/3970/2017** dated 23.09.2017 by District Environmental Impact Assessment Authority, Kozhikode. The compliance report of **First half** (April 2022 – September 2022) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For,

M/s Ruby Stone Crusher

Mr. Abdulla Koya Thangal C.P.
(Managing Partner)

Copy to:-

**1. The Member Secretary
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala.**

2. DEIAA Kozhikode

Encl: - As Above

Manufacturers of : Granite Metals (40mm, 20mm, 12 mm, 6 mm) & M. San

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 10/DEIAA/KL/MIN/3970/2017

DATED: 23.09.2017

BY

**DISTRICT ENVIRONMENTAL IMPACT ASSESSMENT
AUTHORITY (DEIAA) KOZHIKODE**

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

**RE SURVEY NO. 1 AT KATTIPARA VILLAGE, KATTIPARA
PANCHAYATH, THAMARASSERY TALUK, KOZHIKODE DISTRICT,
KERALA.**

BY

M/S RUBY STONE CRUSHER

KOZHIKODE DISTRICT

KERALA

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INTRODUCTION

The quarry project of M/s Ruby Stone Crusher is situated at Survey No. 1 at Kattippara Village, Kattippara Panchayath, Thamarassery Taluk, Kozhikode District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by District Environmental Impact Assessment Authority on 23-09-2017. 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 **April 2022 – September 2022** is being submitted.

The quarry project of M/s Ruby Stone Crusher has obtained Certified Compliance Report from Regional office MoEF&CC, Bangalore

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	Should be fenced all around.	Complied
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Compliance:

The project proponent has erected barbed metal wire fencing around the mining area for enhancing safety. This helps to prevent falling of animals/human being/dumping of garbage etc. Photograph of fencing is attached as **Plate No. 1**

02	The limited patch of natural vegetation seen adjacent to the proposed lease area should be preserved as such.	Complied
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Compliance:

The project proponent is preserving the limited patch of natural vegetation seen adjacent to the proposed lease area. This can enhance the bio diversity in the project site.

03	The entire quarry should be provided with catch water drain. The storm water from the upper slopes to be channelized into the drain and clarified before it is let out.	Complied
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Compliance:

The storm water from the upper slopes is channelized to a de siltation trap and clarified before it is let out. In order to collect the storm water from the upper slopes the project is constructing catch water drain in the project site.

04	A RWH structure should be created for the storage of rain water.	Complied
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Compliance:

To utilize the rain water, the project proponent has developed a Rain Water Harvesting (RWH) structure which is properly maintaining in the area.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

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

The project proponent has developed rain water harvesting ponds in the land owned by the PP. The water from pond is mainly used for domestic purposes; plantation, wetting of roads and splashing of water for contain dust emission. The photograph showing the rain water collection pond in the project area is attached in **Plate No. 2.**

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

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent formed an Environmental Monitoring Cell (EMC) with Mr. Abdulla Koya Thangal C as head of the monitoring cell. The EMC meeting convenes regularly for a sustainable environment.

03	Suitable 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
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Compliance:

To enrich vegetation and prevent air pollution, the proponent has planted various saplings along either side of the roads, parking area and other areas in the project land. There are natural vegetations including trees, shrubs, herbs and climbers also present in the project area.

04	Sprinklers shall be installed and used in the project site to	complied
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	contain dust emissions.	
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Compliance:

To prevent dust emission, sprinklers are installed in the project site. In order to reduce dust emissions from the road while transportation of materials, the project proponent is spraying water on roads during summer season at regular intervals. The sprinklers are also installed in and around the crusher unit. This help to suppress dust during the time summer season.

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

06	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 EC.	Noted for compliance
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Compliance:

The project proponent is intending to 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 project proponent will plant indigenous plant species that are eco – friendly on the reclaimed area.

07	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	complied
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Compliance:

The activities under Corporate Social Responsibility (CSR) activities are executed in the sectors of Health and education. The project proponent is intending to carry out more activities under CSR for inclusive growth in the community. The details of CSR provided in the period of Second half is mentioned in the **Table No.1**. CSR receipts are attached as **Annexure No. 12**

Table No.1 – Detail of performed activities under CSR

Date	Beneficiary	Amount in Rs.
01-04-2022	DARUL THAQWA	22800
01-04-2022	DARUL THAQWA	2500
25-04-2022	Bafakki thanal trust tsy	10000
	Kattippara president c/o	5000
	Ashraf member c/o relief	5000
20-04-2022	Anathan	5400
	Sivaraman	9000
	DARUL THAQWA	7500
20-05-2022	Venakkav colany road work	2500
	Sathesh	1000
11-05-2022	Janakhema samithi	1000
10-06-2022	Ali chamal	6000
01-07-2022	Bibin babu c/o 4 home electricity	66676
09-07-2022	Shareef kakkavayal	5000
14-07-2022	Jobby androse	1000
25-07-2022	Al furkan	4000
08-08-2022	Air workers fedration	2000
25-08-2022	Se st assosiation	500
	Freedom street	4500
20-08-2022	Av ummer	10000
27-08-2022	Nava bharath charitable sos	2000
10-09-2022	Food donation	600000
10-09-2022	Sree krishna jayanthi	6000
13-08-2022	Kodangad palli	1500
24-08-2022	News paper sos	10000
15-09-2022	Disrtic tourismprpmoshon	25000
22-09-2022	Robin	6000
	Robin	4800
25-09-2022	Noorudheen	4000
	Raghavan	2250
28-09-2022	Se st house work	300000
	TOTAL	11,32, 926

08	The lease area shall be fenced off with barbed wires to a 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.	Complied
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Compliance:

As part of demarcation of lease area and to prevent falling of animals/human being/dumping of garbage etc, the project proponent has erected barbed metal wire fencing around the mining area with height of 4 ft before the starting of mining. All the boundary indicators are protected at all times and clearly visible at any time. The photograph of barbed metal wire fencing is provided in **Plate No.3**.

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

As per the stipulation of Explosive department, the project proponent has installed warning alarms (Siren) in the quarry site. This siren is blown before blasting and after blasting. The blasting timings are displayed in the prominent area by way of caution board.

10	Control measures on noise and vibration prescribed by KSPCB should be implemented.	complied
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Compliance:

The project proponent has implemented mitigate masseurs to reduce noise level in the project site. The major noise generating sources from the mining activity is 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., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- The mining activity held in day time only.

Blast vibrations and control measures

- ❖ Controlled blasting technique (NONEL) is adopted in this project in order to reduce blast vibrations.
- ❖ 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.
- ❖ The project proponent has appointed qualified persons to monitor the mining operations

11	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	Complied
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Compliance:

To reduce the inconvenience of nearby houses and community Quarrying activities are limited to day time only as per KSPCB guidelines. The quarry working time is 7.00am to 6.00 pm. This helps to limit the sound pollution. The photograph of board showing quarry working time and blasting time is provided in **Plate No.3**.

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

To prevent possible fly rock and other adverse impact from blasting, the blasting is done in controlled manner by using NONEL Technology. All blasting activities are carrying out with the specified regulations of explosive department. All blasting are under careful supervision of qualified persons. The blasting time is 2 pm to 3 pm.

13	A licensed person should supervise/control the blasting operations.	complied
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Compliance:

To monitor, the project proponent has appointed Mines manager and mining mates in the site to supervise/control exploitation of minor minerals including blasting at the project site. The certificate of Mines manager is attached as **Annexure No.1**.

14	Overburden materials should be managed within the site and used for reclamation of mine pits as per mine closure plan/specific conditions.	complied
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Compliance:

The overburden and topsoil need to extract during the time of mining, these natural resources are stored at designated place within the project site. This will be used to restore the exploited area in future. To prevent soil erosion grass is planted on the overburden and topsoil. Photograph of Overburden is attached as **Plate No. 4**.

15	Height 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
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Compliance:

The quarrying activity in the project site is progressing by creating benches of 5m width and 5m height. The formation of benches is under the direction and supervision of competent person. **Plate No. 5** showing the work progressing in the quarry area.

16	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Complied
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Compliance:

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

NONEL technology and ordinary detonator for blasting. Therefore there is no issue with fly rock in the community.

17	Acoustic enclosures should be 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.	complied
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Compliance:

To reduce sound amplification, the machines of crusher unit is housed with solid bricks. The project proponent has regularly maintains the machineries of crushing the building stones. A green belt is also developed around the unit to reduce noise and air pollution. This helps the noise and sound level is kept within the prescribed standards.

18	The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc.	Complied
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Compliance:

To ensure the safety of workers in working site the project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, gloves, etc.

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

To manage storm water, the project proponent has constructed drains and clarifiers in the lower slopes of the project area for storm water management. The storm water channelized to the Rain water harvesting pond, the sediments is being settled down in the bottom of the pond the over flow from the pond is directed to pond constructed at the lower side of at the project site. The photograph of drainage is provided in **Plate No.6**.

20	The transportation of minerals should be done in covered trucks to contain dust emissions.	complied
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Compliance:

The project proponent assure that the trucks are covered to avoid dust emission from the vehicle while transportation of materials. The photograph of covered truck is provided in **Plate No.7.**

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

The project proponent started to plant various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The Photograph of the saplings planted as **Plate No.7A.**

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

A portion of spent oil is being used as lubricant in the project site. The excess used oil sold only to the approved recyclers

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

As part of safety, Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine is fenced with barbed metal wire. The photograph of magazine housed in solid bricks is attached as **Plate No 8.**

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

To reduce the adverse impact on community life, 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 155 meter form the quarry.

25	100 m buffer distance should be maintained from forest boundaries.	Noted
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Compliance:

There is no forest in the 100 meter vicinity to the project site.

26	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	Complied
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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.2**.

27	All 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
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Compliance:

All statutory clearances, approvals, licenses are obtained from concerned authorities. All conditions stipulated in such approvals are strictly followed. The obtained approvals are mentioned in **Table No.2**. The certificates obtained from concerned statutory authorities are enclosed in **Annexure No. 2, 3, 4, 5 & 6**. The details are given below

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

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

In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

29	The Authority reserves the right 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.	Noted
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Compliance:

To enhance environmental sustainability and conserve natural resources, the project proponent is willing to add all possible additional safe guard measures subsequently if the authority found necessary.

30	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.	Complied
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Compliance:

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

1. KMMCR 2015
2. The Environment Protection Act,1986
3. Water (Prevention and Control of Pollution) Act, 1974
4. The Air (Prevention and Control of Pollution) Act, 1981
5. The Public Liability (Insurance) Act,1991
6. Municipal Solid Waste (Management and Handling) Act,2000
7. Hazardous and Other Wastes (Management and handling) Rules, 1989.
8. EIA notification, 2006
9. The Kerala Minor Mineral Concession Rules 2015

31	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both 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 District Environment impact Assessment Authority (DEIAA) office Kozhikode and may also be seen on the website of the Authority at www.environmentclearance.nic.in . 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.	Complied
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Compliance:

An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at DEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No. 7**. The details are given below in the table.

Table No. 3 Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	Madhyamam	Malayalam	17-Oct-2017
02	The Hindu	English	17-Oct-2017

32	A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayat /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.	Complied
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Compliance:

As per the condition stipulated in the Environmental Clearance order, a copy of the environmental clearance letter was submitted to Grama Panchayat office. There were no suggestions/representations received while processing the proposal. The acknowledgement received from the Panchayat office is attached in **Annexure No. 8**.

33	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	complied
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	update the same periodically. It shall simultaneously be sent to the respective State Environment Impact Assessment Authority (SEIAA) office and also to the District Environment Impact Assessment Authority (DEIAA) office.	
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Compliance:

The compliance report is being submitted to the State Environmental Impact assessment Authority (SEIAA), Kerala and the District Environmental Impact assessment Authority (DEIAA) office. The monitored data of Air, Water and Noise is attached as **Annexure No. 9, 10 & 11**

34	The 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
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Compliance:

The detail of the Environmental Clearance has display on metallic board in the project site. The metallic board installed as specified in the conditions of Environmental Clearance order. Same is attached as **Plate No. 9**.

35	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.	Complied
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Compliance:

An assurance in the form of affidavit was already submitted to DEIAA Kerala.

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

At present, the project proponent is not intending to expand the area of mine, technology and scope of working. The project proponent will appear in front of DEIAA / SEIAA for Environment Clearance if the project proponent wants to expand its scope.

37	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.	Complied
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Compliance:

There is no natural water course or water resources in the mine lease area. There is no first order stream originating from the mine lease area. The project proponent will protect if the first order stream originates from the mine lease area in future.

38	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.	Complied
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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 has increased splashing of water and installation of sprinklers at loading, unloading and transfer points.

39	The top soil, if any, shall be 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	Complied
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	<p>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.</p>	
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Compliance:

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only topsoil is being used for plantation. Overburden is used for landfill and to construct haulage roads in the mining area. The excess is stored in a designated place as per the direction of District Environment Impact Assessment Authority (DEIAA). The Environment Monitoring Cell is monitoring the execution of eco restoration. The PP has been using geo textiles to stabilize the OB dump. The photograph of the same is attached **Plate No.10**.

40	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.</p>	complied
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Compliance:

The project proponent has constructed effective 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. The project proponent has constructed

siltation ponds around the mining area. The Photograph of the siltation ponds is attached as **Plate No.11**. The drains and siltation ponds are regularly maintained.

41	Effective safeguard measures such as regular water sprinkling 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.	complied
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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.

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

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.

43	Measures should be taken for control of noise levels below 85 dBA in the work environment.	complied
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Compliance:

The project proponent is taking appropriate action to reduce the sound by employing possible measures. The main sound generating activities are the playing of

jack hammer, breaker, vehicles and blasting operations. The level noise from all these activities does not go beyond 85dBA. These are mentioned under the condition No. 11.

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

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent constituted an Environment Monitoring Cell with Mr. Abdulla Koya Thangal C.P as the head of the Cell.

45	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 District Environment Impact assessment authority Kozhikode (DEIAA) office.	Complied
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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 maintained account for keeping the funds earmarked for environmental protection and CSR.

46	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.	Complied
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Compliance:

The project proponent has extended all possible cooperation to the officers from regional office of MoEF & CC and produced all data/information/reports when they asked. The PP has obtained Certified Compliance Report after their inspection.

47	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.	Noted
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Compliance:

There was no appeal filed against this project at National Green Tribunal within a period 30 days after issuing Environmental Clearance.

48	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.	Noted
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Compliance:

The project proponent did not conceal any factual data during the time of appraisal for obtaining environmental clearance or submitted any false/ fabricated data at SEIAA to get this environmental clearance

49	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted
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Compliance:

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.

50	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.	Noted
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Compliance:

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

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

Even though the Environmental clearance order is valid for 5 years the project proponent has applied to get revalidation of EC at SEIAA.

52	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.	Noted
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Compliance:

There is no litigation pending in connection with mine lease area at any court of law.

53	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	Complied
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Compliance:

The project proponent does restricts mining operations above the ground water table.

54	All vehicle used for transportation and within the mine shall have “PUC” certificate from authorized pollution testing center. Washing of all vehicles shall be inside the lease area.	complied
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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 testing center.

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

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

56	Regular monitoring of flow rates and water quality upstream and down streams 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 DEIAA.	Noted
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Compliance:

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

57	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.	complied
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Compliance:

The project proponent has started an occupational health surveillance program for the labours working in mining area in association with Primary Health center.

58	The environmental clearance liable to be cancelled if the said land is found in porambokku, surplus land, etc.	Noted
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Compliance:

The instant quarry project is operating in private owned land. No porambokku, surplus land, etc. included in the mine lease area.

PLATES

Plate No. 1



Photograph of Fencing around lease area

Plate No. 2



RWH Pond

Plate No. 3



Quarry time & blasting time board

Plate No. 4



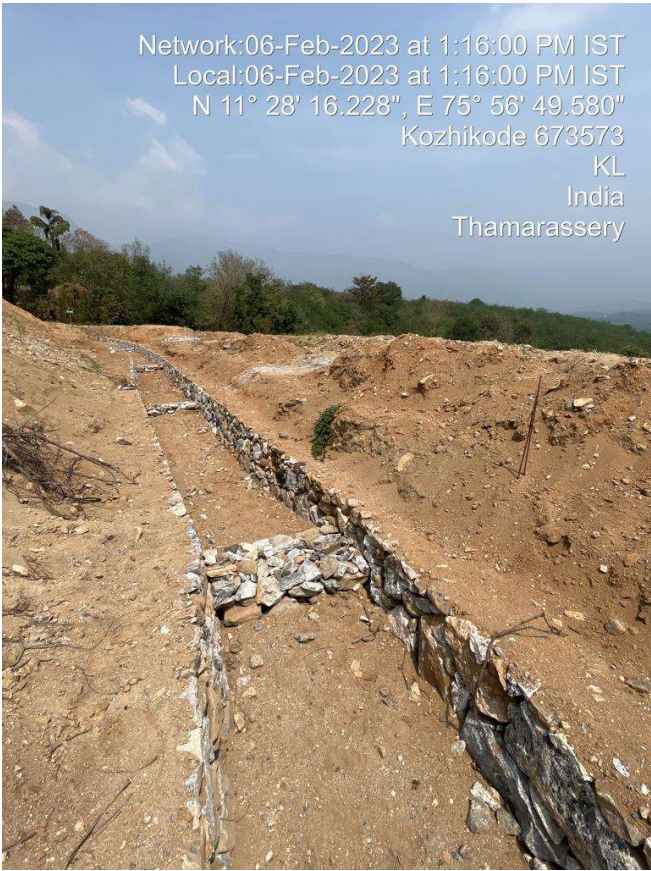
Overburden

Plate No. 5



Photograph of Mining Activity

Plate No. 6



Garland drainage

Plate No. 7



Covered truck
Plate No. 7A



Saplings planted

Plate No. 8



Photograph of Magazine

Plate No. 9



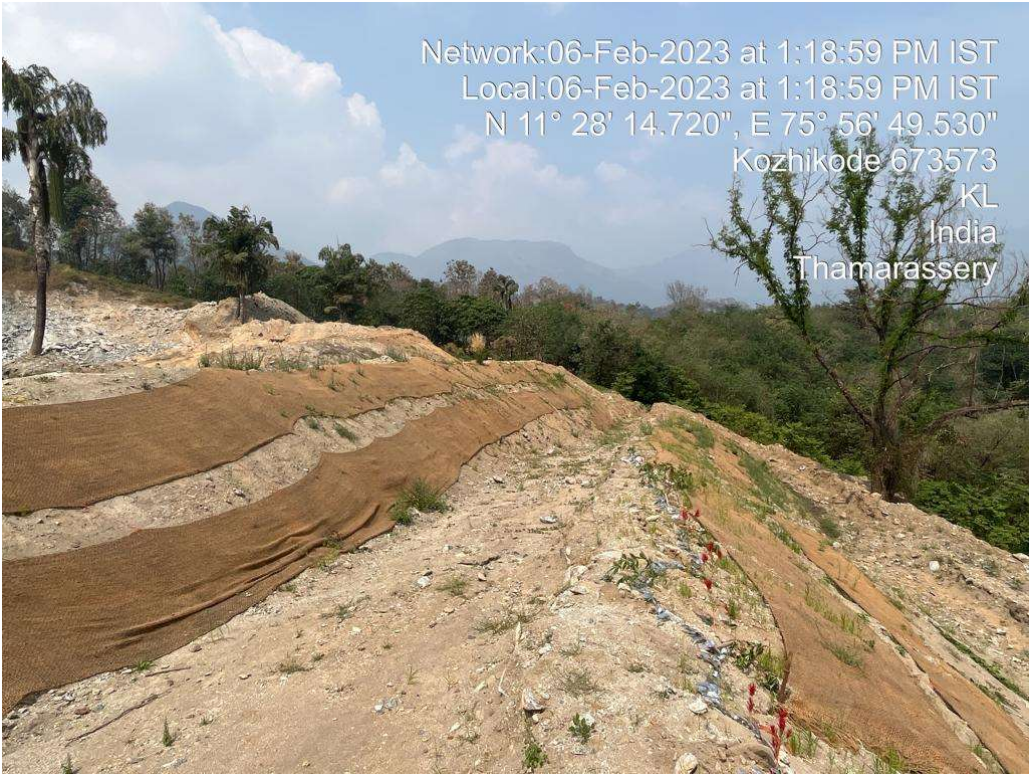
Photograph of EC Board

Plate No. 10



Siltation Pond



Plate No. 11



Geo textile on OB


ANNEXURE

Annexure No.1


Cert No. SMR-E/6075


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
 (केवल ओपनकास्ट खानों तक सीमित)
 (Restricted to mines having opencast workings only)
 (धात्विकीय खान विनियम, 1961 के अन्तर्गत)
 (Under the Metalliferous Mines Regulations, 1961)


 GAONKAR PRATISH TULSHIDAS
 MINES MANAGER
 MURAPAL DONGOR BAMBOL
 IRON ORE MINE

श्री गांवकर प्रतिश तुलशीदास सुपुत्र तुलशीदास गांवकर
 जिनकी जन्म तिथि 12.05.1991 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने
 का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्द्वारा केवल ओपनकास्ट धात्विकीय खानों के प्रबंधन हेतु
 द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 23.11.2016
 से प्रभावी है।

Shri Gaonkar Pratish Tulshidas son of Tulshidas Gaonkar
 born on 12th May, 1991 having given satisfactory evidence of possessing
 the prescribed qualifications and experience is hereby granted SECOND CLASS MANAGER'S
 CERTIFICATE OF COMPETENCY to manage the metalliferous mines having opencast workings
 only. This certificate is effective from 23.11.2016


 सचिव
 खनन परीक्षा बोर्ड
 Secretary
 Board of Mining
 Examinations


 अध्यक्ष
 खनन परीक्षा बोर्ड
 Chairman
 Board of Mining
 Examinations

Signed and Sealed
 Date 22.07.17

Copy of Certificate of Mines manager

Annexure No.2**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/KKD/DO/3435/2017

Date of issue :03/03/2020

INTEGRATED CONSENT TO OPERATE - RENEWAL**Consent No : PCB/KKD/DO/ICO-R1/3635/R17KOZ5582613/11800127/2020****Ref : 1.Your online application no. 11800127 dated 10.10.2019****2.Consent No.PCB/KKD/DO/ICO/3635/2017 dated 16.11.2017 valid up to 30.04.2020**

The ' Integrated Consent to Operate' issued as per reference above to M/s RUBY STONE CRUSHER (QUARRY)PMP ESTATE CHAMAL P.O. KOZHIKODE is hereby renewed up to 23/09/2022 and issued to M/s RUBY STONE CRUSHER (QUARRY)PMP ESTATE CHAMAL P.O. KOZHIKODE 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	Annual fee	Rs.18000/-
2	Fee remitted	Rs.60000/-
3	Validity	23.09.2022
4	Quarrying area	Quarrying in 4.1943 of land in Survey no. RS No.1/18, KATTIPPARA Village, Thamarassery Taluk and in KATTIPPARA Panchayath

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

5.1. Condition no.2.4 of the consent referred 2nd above is modified to the extent that for renewal of the integrated consent application in the prescribed form shall be submitted to the Board before 23.6.2022 through the web portal of the Board (krocmms.nic.in) for Online Consent Management & Monitoring System. Late application will be accepted only with fine/late fee as applicable.

5.2 The quarry should not be operated between 6.00 p.m. and 6.00 a.m.

5.3 Noise measured 1 m outside the boundary of the premises shall not exceed the limit specified for the area under the Ambient Air Quality Standards in respect of noise.

5.4 The concentration of particulate matter PM 10 and PM 2.5 at the boundary of the premise shall not exceed 100 microgram/m³ and 60 microgram/m³ respectively.

5.5 Permanent fence made of wire mesh shall be provided and maintained along the boundary of the approved quarry area.

5.6 The applicant shall put up a 6 ft. x 4 ft. signboard near entrance to the quarry for displaying the name of the quarry and owner, production details and time of the day when blasting is permitted to be undertaken.

5.7 Location and extent of quarry shall be as per the approved site plan attached.

5.8 After completion of quarrying, the land may be reclaimed as per the mining plan approved by the Department of Mining and Geology.

5.9. Quarrying operations shall be started only after obtaining the all the statutory clearances required, which shall be valid throughout the period of operations.

5.10 . This consent is issued based EC no 10/ DEIAA/KL/MIN/3970/2017 dated 23.09.2017 valid up to 23.09.2022 for 4.1943 hectares and letter no. 11801/M3/2015 dated 27.01.2016 of Geologist, Mining and Geology Department

5.11. Quarrying operation shall be strictly restricted to the area as per the VO approved location sketch and shall be confining to the area which is having valid Environmental Clearance

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

SHABNA
KUSHE
SHEKHAR

Digitally signed by
SHABNA KUSHE SHEKHAR
Date: 2020.03.03 11:50:17
+05'30'

DATE :03/03/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER



To
SRI.ABDULLAKOYA THANGAL
FAMOTHAS
PALAKUTTY
KODUVALLI P.O.
KOZHIKODE-673572

- 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.

Copy of Consent form PCB

Annexure No.3Validity expires on 23.09.2022**Proceedings of the District Environment Impact Assessment Authority Kozhikode**

Present : Sri.U.V.Jose. IAS, District collector & Chairman DEIAA, Smt Shamin Sebastian RDO and Member Secretary DEIAA, Sri Sunil Kumar DFO & Member Sri Sathyanathan. Member

Sub : DEIAA-Environmental clearance for the quarry project in Re Sy. No. 1 at Kattippara Village Kattippara Panchayath, Thamarassery Taluk Kozhikode District, Kerala Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala-673573 - E C Granted - Orders issued.

Ref : 1. Application dated 10.01.2017 from Sri. Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s RUBY STONE CRUSHER, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala-673573.
2. Minutes of the 4th¹ meeting of DEAC held on 12/05/2017
3. Minutes of the 5th meeting of DEAC held on 09/06/2017
4. Minutes of the 3rd meeting of DEIAA held on 03/08/2017

District Environment Impact Assessment Authority, Kozhikode

No. 10/ DEIAA /KL/MIN/3970/2017.

Dated, Kozhikode: 23.09.2017**ENVIRONMENTAL CLEARANCE NO 10./2017**

Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala-673573 vide his application received on 10.01.2017, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re Survey No. 1 at Kattippara Village Kattippara Panchayath, Thamarassery Taluk, Kozhikode District, Kerala for an area of 4.1943 hectares. The project comes under Category B2, Activity 1(1), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA-11(M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 5 hectares.

The proposed project site falls within Latitude 11°28'11.44"N to 11°28'20.09"N and Longitude 75°56'41.81"E to 75°56'51.90"E. The land use classification as per revenue records is private own land. The lease area consists of 4.1943 hectares. The current proposal is for the new building stone quarry project. The proposed project is for quarrying of 100000 MTA of building stone. The other details are as follows:

I. Project details		
1	File No.	DIA/KL/MIN/3970/2017.
2	Name /Title of the project	Abdulla Koya Thangal C.P.
3	Name and address of project proponent	Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala - 673573
4	Owner of the land	Private Own Land
5	Survey No, District/Taluk and Village etc.	Re Survey No. 1 at Kattippara Village Kattippara Panchayath, Thamarassery Taluk, Kozhikode District,
6	Nature of the proposal-lease or permit with evidence	New Quarry Project
7	Date of submission of Application	10.01.2017
8	Brief description of the project	Quarry project with an area of 4.1943 hectares & Production capacity 100000 TPA
9	Details of Authorized Signatory and address for correspondence	Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala - 673573
II. Land Details		
10	a) Extent of area in hectares	4.1943 hectares
11	b) Is the property forest land/Govt. land/own land/ patta land	Private own land
12	c) Quantity of top soil/over burden produced and managed	Topsoil : 17,589 cubic meter Overburden : 9,772 cubic meter
13	d) Latitude and Longitude	Latitude (N) 11°28'11.44"N to 11°28'20.09"N
		Longitude (E) 75°56'41.81"E to 75°56'51.90"E
14	e) Topography of land and elevation	Part of the proposed land is exposed rock and the remaining land is covered with native trees, shrubs, herbs, grass, climbers, bushes etc. The topography of the lease area is hilly. The highest elevation of the lease area is 175 m MSL and lowest is 130 m MSL. As the proposed area is hill rock, the drainage of the lease area is towards East.
15	f) Slope analysis	As the proposed area is hill rock, the drainage of lease area is towards East.

16	g) Will there be any significant land disturbance resulting in soil erosion, subsidence & natural drainage.	Due care will be taken to provide channel all around the foot hill to collect run off and also to avoid soil erosion. There is no danger of flood or inundation ,as the proposed working is above the normal ground level. The area is not susceptible to flood.
17	h) Access road to the site width and condition	7m wide road
18	i) Will there be any adverse impact on the aesthetics of the proposal site	No, the land used will be fully reclaimed and rehabilitated by backfilling the pond and plantation. Plantation and forestation will add to the improvement in environment and aesthetic beauty of the area.
III. Mining details		
19	a) Minimum and Maximum height of excavation	The exploitation of mineral is being done from 175 m to 125m MSL in conceptual phase.
20	b) Life of mine proposed	About 22 years
21	c) Underground mining if any proposed	No underground mining proposed and the working will be carried out by opencast semi-mechanized method as per the approved Mining Plan.
22	d) Method of Mining	The working will be carried out by opencast semi-mechanized method as per the approved Mining Plan.
23	e) Distance from the adjacent quarry	There is no working quarry located within 500m radius of the proposed quarry.
24	f) Cluster condition if any	No cluster condition
25	g) Has "No cluster Certificate" submitted?	Cluster certificate issued by District Geologist is already submitted with EC Application.
26	h) Distance from nearby habitation	Nearest habitation is at 155 m towards East.
27	i) Distance from nearby forest, if applicable	None within the study area
28	j) Distance from protected area, Wildlife Sanctuary National Park etc.	None within the study area
29	k) Distance from nearby streams/ rivers/ National Highway and Roads	<u>Water Bodies</u> : Poonoor puzha River, 6 km, NW Engapuzha thodu, 5 km, E Kakkayam Dam, 14 km, N <u>NH / Highway</u> : NH-212, Engapuzha about 3 km, East and SH - 34, Chungam, about 7 km, South
30	l) Is ESA applicable? If so distance from ESA limit	Not falling in ESA.

3

31	m) Has approved mining plan, prepared by RQP submitted?	Yes, Submitted along with the application	
32	n) Capacity of production in TPA	1,00,000 TPA	
33	o) Details of mining process	The mining will be done by open cast semi-mechanized method of mining. The bench height and width will be maintained 5 m. Excavated material is transported to the crusher unit existing near the complex for further processing. The ultimate depth of mine workings is estimated to reach up to 125m MSL.	
IV. Details of Project cost			
34	a) Land cost	2 Crores	
35	b) Plant and Machinery	1 Crores	
36	e) Total Cost	3 Crores	
37	V. Financial Statement including funding source and details of insurance etc.	Source of funding = Own fund and Bank Loan.	
38	Management Plan	Air Pollution	<p>Mining activities will generate certain quantities of dust during drilling, blasting, loading and transportation operations. The following measures will be taken to mitigate the fugitive dust from different operations.</p> <ul style="list-style-type: none"> • Laying of haul road as per the standards, black topping of permanent haul road and service road to avoid or eliminate air – borne dust. • To avoid the dust generation from the drilling operations, wet drilling method will be adopted. • Drill machines will be equipped with dust collectors. • Use of appropriate explosives for blasting and avoiding overcharging of blast holes. • Controlled blasting techniques will be adopted. • Watering of haul road and other road at regular intervals. • Provision of dust filters/ mask to workers working at highly dust prone and affected areas.

			<ul style="list-style-type: none"> • Provision of green belt all along the periphery of the lease area. • Periodical monitoring of ambient air quality in and around the lease area. <p>The extracted mineral will be transported from the quarry to the end user by adopting following measures so as to minimize dust emissions.</p> <ul style="list-style-type: none"> • In case of long transportation the trucks after loading will be covered with tarpaulin sheets. • Speed of the vehicles will be maintained within the prescribed limits. • Trucks will not be over loaded and will be maintained to the body level
		Water Pollution	Provision of storm water collection pond with an appropriate capacity. The water requirement for sprinkling on sources of dust emission, on roads, landscaping etc. Can be met from the stored rainwater in the pond.
		Noise	<p>The major noise generating source from the proposed activity is working machinery, drilling, blasting and plying of vehicles. The following control measures are to be undertaken to bring down the noise levels:-</p> <ul style="list-style-type: none"> • Proper maintenance of machinery, equipments and improvement on design of machines. • Use of personal protective devices i.e., earmuffs and earplugs by workers, who are working in high noise generating areas. • Creation of wide green belt of dense foliage between mine areas and residential colonies. • Proper training to personnel to create awareness about adverse noise level effects. • Planned noise monitoring at suitable locations in the plant and outside location for proper effective remedial actions.
		Solid Waste Management	<p><u>Topsoil Management</u></p> <p>The topsoil excavated from the quarry will be dumped / stacked separately at pre-determined place and subsequently will be utilized in</p>

			<p>spreading over reclaimed areas for plantation as part of eco-restoration. Precautions will be taken to limit the height of the topsoil dump / stacked to 5 to 6 meters in order to preserve its fertility and shelf life. It will be suitably protected from soil erosion and infertility by planting fodder grass and leguminous plants during temporary storage.</p> <p><u>Overburden Management</u></p> <p>This waste will be utilized within the pit for lying of haul roads. At the end use, OB can be reutilized as soil base for plantation.</p>
		Eco-restoration	The year wise programme of eco-restoration for life of mine will be made and about 3,700 trees will be planted in an area of 3.6736 ha.
39	VI. Whether Environment Management Plan or Eco restoration Plan satisfactory?	Yes, detailed Project-Feasibility Report (PFR) with approved mining plan is already submitted with E.C. Application.	
40	VII. Does it suggest mitigation measures for each activity	Yes and the detailed PFR is already submitted with E.C. Application.	
41	VIII. If pre-feasibility report (PFR) satisfactory	Detailed Pre-Feasibility Report (PFR) is already submitted with E.C. Application.	
42	IX. Does it need public hearing	Not Applicable	
43	X. Details of litigation and Court verdict if any	No litigation pending.	
44	XI. Details of public complaint, if any	None	
45	XII. Details of statutory sanction required	<ul style="list-style-type: none"> a. Quarrying Lease b. NOC from Pollution Control Board c. Environment Clearance from DEIAA/SEIAA d. NOC from Explosive Dept. e. D & O License from the LSGD 	
46	XIII. If CRZ recommendation applicable?	Not Applicable	

PART B		
<u>Environment Impact Assessment and Mitigation Measures</u>		
<u>Impact on water</u>		
47	a) Details of water requirement per day in KLD	The total water requirement is about 16 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression as well as ancillary unit and 2 KLD for plantation purposes and will be sourced from storm water pond.
48	b) Water source/sources	2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression as well as ancillary unit and 2 KLD for plantation purposes and will be sourced from storm water pond.
49	c) Expected water use per day in KLD	16 KLD
50	d) Details of water requirements from water harvesting	12 KLD for dust suppression system in mine as well as ancillary unit (Crusher / M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond.
51	e) What are the impact of the proposal on the ground water?	No significant impact envisaged on ground water due to the mining project.
52	f) How much of the water requirement can be met from the recycling of treated waste water? (Facilities for liquid waste treatment)	Nil
53	g) What is the incremental pollution load from waste water, generated from the proposed activities?	The sewage to a tune of 1.60 KLD generated from the mine office will be diverted to the septic tank followed by soak pit.
54	h) How is the storm water from within the site managed?	<ul style="list-style-type: none"> * Storm water drains with silt traps will be suitably constructed all along the periphery of the pit area to collect the run-off from the lease area and divert into the storm water pond /tanks proposed within the complex. *All measures will be taken not to disturb the existing drainage pattern adjacent to the other property. *De-siltation traps and storm water collection pond proposed for silt removal.

		*The storm water collected from the lease 'area will be utilized for dust suppression on haul roads, plantation within the premises etc.
Impact on Biodiversity and Eco restoration Programmes		
55	a) Will the project involve extensive clearing or modification of vegetation (Provide details)	Due to the mining activities, there will be loss of some native species and vegetation. However, some of these species will be planted at the end use for eco-restoration.
56	b) What are the measures proposed to minimize the likely impact on vegetation (details of proposal for tree plantation /landscaping)	The year wise programme of eco-restoration for the life of mine will be made and about 3,700 trees will be planted in an area of 3.6736 ha. Ecological restoration for the mined area by plantation of the species as per the time schedule suggested below: - First Six months -- Herbs & grass Next Six months -- Shrubs Next Six months onwards -- Trees Selection of species is based on High Dust Capturing, Soil Holding Capacity, ground water recharge capacity etc. More focus is given for medicinal plants.
57	c) Is there any displacement of fauna both terrestrial and aquatic, If so what are the mitigation measures? d) Presence of any endangered species or red listed category (in detail)	Not applicable No endangered species found at site
Impact on Air Environment		
58	a) What are the mitigation measures on generation of Dust, smoke, and air quality	Details already provided at EMP section at Sr. No. 38 above.
59	b) Details of internal traffic management of the site	Designated space will be provided for parking of truck / tipper within the site. For the purposes of mining activities, existing roads are sufficient. However, haul road will be suitably developed within the proposed area. Speed of the vehicles will be maintained within the prescribed limits (Speed Governor fitted).

60	c) Details of noise from traffic, machines and vibrator and mitigation measures	Details already provided at EMP section at Sr. No. 38 above.
61	d) Impact of DG sets and other equipments on noise and vibration and ambient air quality around the project site and mitigation measures	Details provided at EMP section at Sr. No. 38 above and air, noise and water sampling reports were already submitted with EC Application.
62	e) Air quality monitoring in detail	Details provided at EMP section at Sr. No. 38 above and air, noise and water sampling reports were already submitted with EC Application.
Energy Conservation		
63	a) Details of power requirement and source of supply.	The total power requirement will be 75 kW, which will be drawn from diesel engine. Fuel Quantity – 16 to 20 litre/ hr.
64	b) Details of renewable energy (non-conventional) used.	We will promote renewable energy resources.
Risk Management		
65	a) Are there sufficient measures proposed for risk hazards in case of emergency such as accident at the site?	Detailed Environment Management Plan is already submitted with E.C. Application.
66	b) Are proposals for fencing around the quarry satisfactory?	Barbed wire fencing will be done all around the quarry site.
	c) Storage of explosives/ hazardous substance in detail	The stone quarry mine will result in increase in frequency of blasting for mining the mineral. However, controlled blasting with optimum charge of holes will be carried out to loosen the rock. Explosion hazards are envisaged due to mishandling of explosives. Explosives will be handled with utmost care in compliance of conditions imposed by Chief Controller of Explosive & Metalliferrous Mines Regulation, 1961

	d) Facility for solid waste management	Top soil and over burden generated from the site will be stored separately on earmarked place and will be used for eco-restoration and internal road development.			
Socio Economic Impacts					
67	a) Will the project cause adverse effects on local communities disturbance to sacred sites or other cultural values. What are the safe guards proposed?	Nil			
68	b) Will the proposal results in any changes to the demographic structure of local population, if so, provide details	The mining project will directly / indirectly develop the area by providing employment opportunities. With the proposed development in and around the area there will be many supporting facilities/ infrastructure eventually leading to the development of the area.			
69	c) CSR components suggested	Sl. No	Area of Intervention	Recurring Expense	Nonrecurring Expense
		1	Promotion of Education	1,70,000	3,95,000
		2	Environmental Sustainability	Nil	1,50,000
		3	Infrastructure Development	1,50,000	Nil
			Health Care	1,70,000	Nil
			Total	4,90,000	6,20,000
70	d) What are the projects benefits in terms of employment potential?	Due to the mining activity and due to the attached ancillary unit, there will be workers attracted to the project area. It is proposed to employ 27 persons in the project.			
Part-C					
71	Details of NABET approved EIA Consultant engaged-Their name, address and accreditation details.	M/s Environmental Engineers & Consultants Pvt. Ltd. (NABET Accredited Consultant Organization) Head Office :- A1-198, Janak Puri, New Delhi. Branch Office :- C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala.			
Summary and Conclusion					
72	a) Overall justification for implementation	It is predicted that socio-economic impact due to this project will positively increase the chance of more employment opportunities for local inhabitants. There are no Resettlement and Rehabilitation issues involved			

	of the project	in this project. The project infrastructures will be of use to people of the area. The revenue of the State Govt. will be definitely increasing due to the proposed activity. The entire project area is devoid of any endangered flora and fauna. It is proposed to reclaim the land and develop green cover for eco-restoration with native species to a maximum possible extent. Additionally, an area is earmarked outside the proposed mining area for compensatory mass plantation. Also, a storm water pond is proposed outside the mining area for storage of rain water and for its subsequent use so as to conserve fresh water consumption. Thus the proposed project is not likely to affect the environment or adjacent ecosystem adversely.
73	b) Explanation of how adverse impact have been mitigated.	Detailed Pre-Feasibility Report (PFR) with approved Mining Plan is already submitted with E.C. Application. Further, details are provided at EMP section at Sr. No. 38 above.

2. The proposal was considered in the 3rd meeting of DEAC held on 03.08.2017. The minutes of the said meeting are as follows; Further to the intimation of DEAC, the proponent along with the RQP was present in the meeting and RQP made a power point presentation of the salient features of the project. The committee appraised the proposal based on the mining plan, pre-feasibility report and all other documents submitted along with the Form I application and decided to defer the item for site visit.

Field visit to the quarry project site of Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala-673573 was carried out on 25.05.2017 by Sri. T. Mohanan, Member Secretary; DEAC along with Sri. Babu Thomas, Exe Engineer Minor Irrigation Department, Dr. Dinesan VP, Scientist, CWRDM, District Officer Ground Water Department, Asst. Conservator of Forest, Social Forestry Division and Environmental Engineer Kerala State Pollution Control Board, Kozhikode. The proponent was present at the site at the time of site visit.

The project is located at about 2km North West of Chamal. This quarry lease area form part of a hillock exposing hard rock. The approach road is the private road. Boundary pillars of this plot are erected and numbered. In the area proposed for quarry is an elevated ridge with overall slope to NW. This is an uncultivated land that exposes hard rock with few patches of OB and top soil of variable thickness.

The quarry has been recommended for EC after considering the following points:-

1. *The entire area proposed for quarry should be fenced all around.*
2. *The limited top soil and OB need proper storage area on the lower part and provided with protective walls.*
3. *The approach road needs widening and surfacing*
4. *The limited patch of natural vegetation seen adjacent to the proposed lease area should be preserved as such.*

5. The entire quarry should be provided with catch water drain all around. The storm water from the upper slopes to be channelized into the drain and clarified before it is let out.
6. The required quantity of water for the project shall be collected by rain water harvesting
7. A RWH structure should be created for the storage of rain water.
8. Details of CSR to be provided as promised in the DEAC meeting.

3. The proposal along with field visit report was again placed in the 5th DEAC meeting held on 9th June 2017. The Committee after examining the mining plan, prefeasibility report, field inspection report by subcommittee and all other documents submitted, decided to recommend for issuance of EC subject to general conditions along with the following specific conditions.

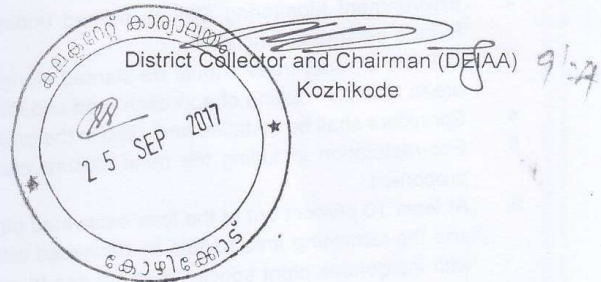
1. Should be fenced all around.
2. The limited patch of natural vegetation seen adjacent to the proposed lease area should be preserved as such.
3. The entire quarry should be provided with catch water drain. The storm water from the upper slopes to be channelized into the drain and clarified before it is let out.
4. A RWH structure should be created for the storage of rain water.
5. The proponent agreed to set apart Rs. 6.2 lakh (non-recurring) and Rs 4.9 lakh (recurring) per year for a period of next 5 years for the welfare of the local community. The proponent also agreed to spend this amount in consultation with the local Panchayath.
6. The proposal was considered by the Authority in its 3rd meeting held on 03.08.2017.

The authority resolved to issue Environmental Clearance on condition that quarrying should be started only after fulfilling the pre mining specific conditions No.1 to 4

4. 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 Environment Management Plan and 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 conditions and the undertakings subject to all the mining features, Environmental Management Plans as undertaken in the Mining Plan and EMP submitted to DEIAA will be deemed to be part of this proceedings as conditions as undertaken by the proponent as if incorporated herein.
5. Validity of the Environmental Clearance will be five years from the date of this clearance, subject to inspection by DEIAA on annual basis and compliance of the conditions, subject to earlier review of E.C in case of violation or non-compliance of conditions or genuine complaints from the public.
6. Compliance of the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorized offices and also by the regional office of the Ministry of Environment & Forests.

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.

- i. Instances of violation if any shall be reported to the District Collector, Kozhikode to take legal action under the environment (Protection) Act 1986.
- ii The given address for correspondence with the authorised signatory of the project is Mr. Abdulla Koya Thangal C.P., Managing Partner, M/s Ruby Stone Crusher, PMP Estate, Chamal Post, Thamarassery, Kozhikode District, Kerala-673573



To

Mr. Abdulla Koya Thangal C.P.,
Managing Partner,
M/s Ruby Stone Crusher,
PMP Estate, Chamal Post,
Thamarassery,
Kozhikode District, Kerala-673573

Copy to:

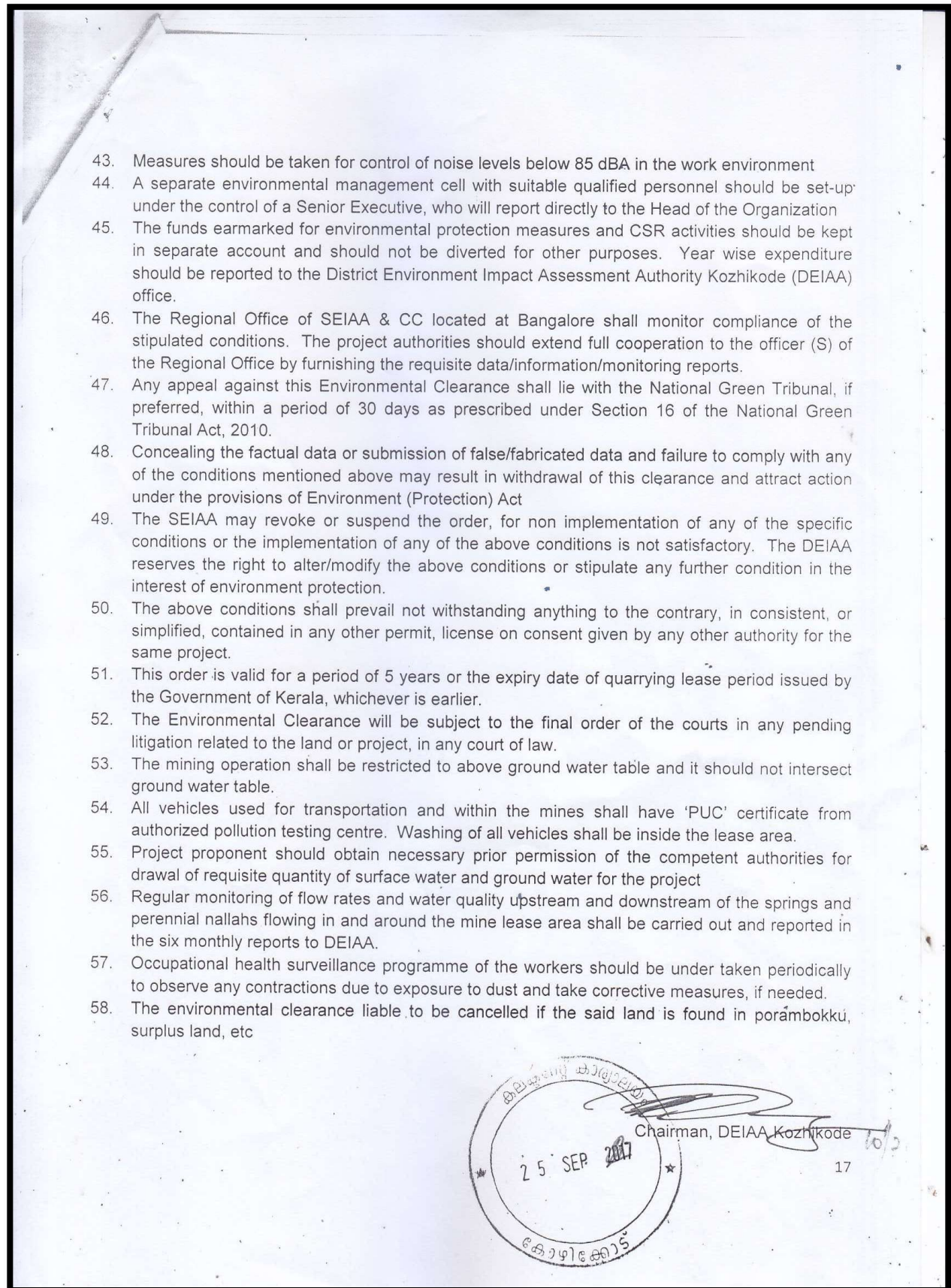
1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor,
E&F Wing, II Block, Koramangala, Bangalore-560034
2. The Additional Chief Secretary to government,
Environment Department, Government of Kerala.
3. Director, Mining & Geology, Thiruvananthapuram-4
4. Secretary, Kattippara Grama Panchayath, Kattippara P.O, Kozhikode. 673573
5. S/F

DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KOZHIKODE,
GENERAL CONDITIONS (for mining projects)

1. Rain water harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
4. Sprinklers shall be installed and used in the project site to contain dust emissions.
5. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
6. 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 F.C
7. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
8. The lease area shall be fenced off with barbed wires to a minimum height of 4 ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.
9. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
10. Control measures on noise and vibration prescribed by KSPCB should be implemented
11. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
12. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
13. A licensed person should supervise/control the blasting operations.
14. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.
15. Height of benches should not exceed 6m and width should not be less than 5m if there is no mention in the mining plan/specific condition.
16. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
17. 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.
18. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
19. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
20. The transportation of minerals should be done in covered trucks to contain dust emissions.

21. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
22. Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.
23. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
24. 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
25. 100 m buffer distance should be maintained from forest boundaries.
26. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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 District Environment Impact Assessment Authority (DEIAA) office Kozhikode and may also be seen on the website of the Authority at www.environmentclearance.nic.in The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
32. A copy of the clearance letter shall be sent by the proponent to concerned Gramapanchayat/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.

33. 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 State Environment Impact Assessment Authority (SEIAA) office and also to the District Environment Impact Assessment Authority (DEIAA) office.
34. 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.
35. 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.
36. No change in mining technology and scope of working should be made without prior approval of the DEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the DEIAA, as applicable.
37. 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.
38. 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.
39. 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 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.
40. 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 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.
41. 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.
42. 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.



Copy of Environmental Clearance

Annexure No.4

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/22/1153(E58974) in form LE-3 granted to Shri Abdulla Koya Thangal Managing Partner, M/s.Ruby Stone Crusher, Chamal P.O., Thamarassery, Kerala-673573 .

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)			
1	Room or Workshop used in Connection with the Magazine	M	UM
2	Any other Explosives Magazine or store House or Factory of the Applicant	13	19
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	Windmill 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 : 19/01/2011

For Joint Chief Controller of Explosives

South Circle, Chennai

उप मुख्य विस्फोटक नियंत्रक

Deputy Chief Controller of Explosives

एरणाकुलम Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/11/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 02/11/2017
- Amendment in Drawings/Facilities/Premises dated : 14/12/2017

Transfers :

- Change in Licensee Name/Address/Status dated : 09/10/2018



भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry

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

पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives

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

CSEZ पी.ओ.कक्कानाड कोच्ची | CSEZ PO Kakkannad Dist. Ernakulam Ernakulam 682037

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

ई-मेल Email: dycceernakulam@explosives.gov.in

संख्या (No.): E/SC/KL/22/1153(E58074)

दिनांक (Date): 15/01/2019

सेवा में | To,

Shri Abdulla Koya Thangal Managing Partner,

M/s.Ruby Stone Crusher, Chamal P.O., Thamarassery, Town/Village - Thamarassery

District-KOZHIKODE, State-Kerala, Pincode - 673573

16 JAN 2019

विषय : Survey No.R.S.No.1 of Chamal Desam, Kattippara village, Thamarassery taluk, ग्राम Kedavoor village, kozhikode taluk, जिला KOZHIKODE, 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/22/1153(E58074) के नवीनीकरण संदर्भ में।

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:R.S.No.1 of Chamal Desam, Kattippara village, Thamarassery taluk, [Kedavoor village, kozhikode taluk] Dist. KOZHIKODE, Kerala -Licence No.: E/SC/KL/22/1153(E58074) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 09/01/2019 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुज्ञप्ति दिनांक 31/3/2024 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है।

Reference to your letter No.: Nil dated: 09/01/2019, the subject licence duly renewed upto 31/3/2024 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/2024 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 31/3/2024.

- प्ररूप आरई-1 में दिधिवत पूर्ण एवं हस्ताक्षरित आवेदन।
Application in Form RE-1 duly filled in and signed.
- एक से पाँच वर्ष के अनुज्ञप्ति शुल्क का बैंक ड्राफ्ट। बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक के नाम आहरित, संयुक्त मुख्य विस्फोटक नियंत्रक, चेन्नई के पक्ष में चेन्नई में देय हों।
Licence fees for one to five years in the form of demand draft drawn on any Nationalized Bank in favour of **Jt. Chief Controller of Explosives, Chennai** payable at **Chennai**.
- 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 जाएं (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)


अनुज्ञप्ति 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 अनुज्ञप्ति

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

अनुज्ञप्ति सं. (Licence No.) : E/SC/KL/22/1153(E58074)
वार्षिक फीस रूप (Annual Fee Rs): 2400/-



Licence Photo with

1. Licence is hereby granted to
Shri Abdulla Koya Thangal Managing Partner (अधिभोगी / Occupier : Abdulla Koya Thangal), M/s.Ruby Stone Crusher, Chamal P.O., Thamarassery, Town/Village - Thamarassery, District-KOZHIKODE, State-Kerala, Pincode - 673573

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : **Partnership Firm**

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

4. अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र. सं.	नाम और विवरण	वर्ग और प्रभाग	उप-प्रभाग	मात्रा किसी एक समय में
Sr. No.	Name and Description	Class & Division	Sub-division	Quantity at any one time
1.	Nitrate Mixture	2,0	0	150 Kg.
2.	Safety Fuse	6,1	0	1650 Mtrs
3.	Electric Detonators	6,3	0	2000 Nos.
4.	Ordinary Detonator	6,3	0	2000 Nos.

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पृष्टि होती है।
The licensed premises shall conform to the following drawing(s) :
रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1153 (E58074)
दिनांक (Dated) 19/01/2011

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No. R.S.No.1 of Chamal Desam, Kattippara village, Thamarassery taluk, ग्राम (Town/Village) :
~~Kodavoor village, Kozhikode taluk~~ **D.C.E. Emakulam**
जिला (District) **KOZHIKODE** राज्य (State) **Kerala** पिनकोड (Pincode) **673573**
दूरभाष (Phone) **9446012919** ई. मेल (E-Mail) **फैक्स (Fax)**

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities : **pucca magazine of masonry construction**

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

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

हए)।

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

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

9. यह अनुज्ञप्ति तारीख 31 मार्च 2015 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2015.

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

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

Sd/-

तारीख | The Date - 19/01/2011

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 14/11/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 02/11/2017
- Amendment in Drawings/Facilities/Premises dated : 14/12/2017

Transfers :

- Change in Licensee Name/Address/Status dated : 09/10/2018

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
15/01/2019	31/03/2024	Dy. Chief Controller of Explosives, Ernakulam उप मुख्य विस्फोटक नियंत्रक Deputy Chief Controller of Explosives एरणाकुलम Ernakulam

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

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

(सेट VIII | Set VIII)

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्रस्प 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/22/1153 (E58074) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1153(E58074) 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 हैं, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- 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 पृथक 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 पल्लिते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पल्लिते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.
(f) Gun powder belonging to Class 1 shall be kept separately.
- 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 ग्लोअसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिन्ह प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.

सप मुख्य विस्फोटक नियंत्रक

8. मैगजीन के भीतरी भाग या उसमें लगी बेंचो, शैल्फों 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 बेंचो, शैल्फों और फिटिंग यथासाध्य ब्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाध्यकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।
The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from; Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.
9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापितधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापितधारी द्वारा पश्चात्कर्त्ता प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता :
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभाय होगा :
परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है।
If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory:
Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :
Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.
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. अनुज्ञापितधारी 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 अनुज्ञापितधारी 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 अनुज्ञापितधारी 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

उप मुख्य विस्फोटक नि

whatsoever.

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

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

14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी।
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी।
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकेजों 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.
ठंडित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओहम 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।
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 शीघ्रतः 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 सम्यक्तः 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 अनुज्ञात परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक 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 पलिते 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 पटाख) 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.

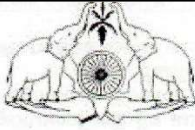
अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञापनीधारी 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
दक्षिणांचल, चेन्नै | South Circle, Chennai
उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरणाकुलम Ernakulam

Copy of Explosive License

Annexure No.5




ലൈസൻസ് നമ്പർ എ1-647/18 തീയതി 10/04/2018

കട്ടിപ്പാറ ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

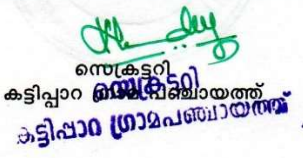
1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13)232 , 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും റോഡ്,	അബ്ദുള്ളക്കോയ തങ്ങൾ.സി.പി, മാനേജിംഗ് പാർട്ട്ണർ, റുബി സ്റ്റോൺ ക്രഷർ, ചമൽ(പിഒ), താമരശ്ശേരി.						
സ്ഥാപനത്തിന്റെ പേരും , മേൽവിലാസവും സ്ഥലനാമവും	റുബി സ്റ്റോൺ ക്രഷർ (കാറി) ചമൽ.						
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ കാറി നടത്താൻ						
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	കോഴിക്കോട് ജില്ലയിൽ താമരശ്ശേരി താലൂക്കിൽ കട്ടിപ്പാറ വില്ലേജ് റീസ 1 ൽപ്പെട്ട 4.1943 ഹെക്ടർ സ്ഥലം						
ലൈസൻസ് കാലയളവ് വകുപ്പുകളിൽ നിന്നുള്ള നിരാകേഷാപ പത്രങ്ങളും അനുമതി പത്രങ്ങളും പുതുക്കി നൽകുന്ന മുറയ്ക്ക്	01/04/2018 മുതൽ 31/03/2023 വരെ (മറ്റു						
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	<table style="width: 100%; border: none;"> <tr> <td style="border: none;">ലൈ.ഫീ- 20000</td> <td style="border: none; text-align: center;">രൂപ</td> <td style="border: none; text-align: right;">രസീത് നമ്പർ 117030104270</td> </tr> <tr> <td colspan="2" style="border: none;"></td> <td style="border: none; text-align: right;">തീയതി 26/02/2018</td> </tr> </table>	ലൈ.ഫീ- 20000	രൂപ	രസീത് നമ്പർ 117030104270			തീയതി 26/02/2018
ലൈ.ഫീ- 20000	രൂപ	രസീത് നമ്പർ 117030104270					
		തീയതി 26/02/2018					
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാകേഷ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ,തീയതി,കാലയളവ്, നൽകിയ അധികാര സ്ഥാനം)	1) PCB/KKD/DO/ICO/3635/2017 dtd 16/11/2017. valid upto 30/04/2020 . 2) LE 3 LICENCE No. E/SC/KL.22/1153(E58074) dated 14/12/2017 valid upto31/03/2019 3)EC.No10//DEIAA/KL/MIN/3970/2 dtd.23/09/2017 valid upto23/09/2022. 4) Quarrying Lease Proceedings No. 664/2017-18/11801/M3/2015/DMG dated. 12/01/2018 . of director of Mining & Geology,TVM 5) Quarrying Lease Doct No.287/I/2018 dtd.15/01/2018						



കാട്ടിപ്പാറ മുദ്ര



സെക്രട്ടറി
കട്ടിപ്പാറ ഗ്രാമപഞ്ചായത്ത്
കട്ടിപ്പാറ ഗ്രാമപഞ്ചായത്ത്

Copy of Grama Panchayat license

Annexure No.6

No.11801/M3/2015

Directorate of Mining & Geology
 Kesavadasapuram, Pattom P.O.
 Thiruvananthapuram-4
 Tel: 0471-2447429
 Fax: 0471-2447429
 E.mail: director.dir.dmg@kerala.gov.in
 Web: www.dmg.kerala.gov.in
 Dated: 12/01/2018

From
 The Director of Mining & Geology

To
 M/s. Ruby Stone Crusher,
 Chamel. P. O, Thamarassery, Kozhikode District – 673 573
 (Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)

Sir,

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

- Ref: 1. Pro.Order No. 664/2017-18/11801/M3/2015/DMG Dated: 12/01/2018
 2. Pro.order. No. 10/DEIAA/KL/MIN/3970/2017 dtd. 23/09/2017 (EC. No. 10/2017) of the District Environment Impact Assessment Authority, Kozhikode, Kerala
 3. KMMC Rules 2015
 4. Kerala Minerals (Prevention of illegal Mining, Storage & Transportation) Rules 2015
 5. Mines & Minerals (Development & Regulation) Act 1957.

Please refer to the Proceedings Order cited above wherein a lease for Granite (Building Stone) is granted to **M/s. Ruby Stone Crusher, Chamel. P. O, Thamarassery, Kozhikode District – 673 573 (Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)**. I request you to prepare three copies of the quarrying lease deed, original on plain paper and two copies of the same in stamped paper worth Rs. 500/- and produce the same before the **Senior Geologist, District Office, Kozhikode** for scrutiny and execution. The date of execution will be entered up by the Senior Geologist at the time of execution. After scrutiny of the quarrying lease deed, the Senior Geologist will inform you the date of execution convenient to him. After execution as per the request of the Senior Geologist stamp duty may be fixed by any District Registrars of the state and he will receive the stamp duty and a certificate of remittance of stamp duty will be entered in the lease deed. A chalan for **Rs. 41,943/- (Rupees forty one thousand nine hundred and forty three only)** being the security deposit is enclosed herewith duly countersigned. Please affix your signature at the appropriate places before remittance of money in the treasury. The original treasury receipted chalan may also be produced along with the typed copies of the lease deed and the draft form 'H' which is enclosed herewith, before the Senior Geologist, District Office, **Kozhikode** at the time of execution.

Please note that the quarrying lease deed has to be executed within a period of six months from the date on which quarrying lease has been granted and got registered in accordance with the Registration Act, 1908 vide Rules 44 of the Kerala Minor Mineral Concession Rules, 2015. Form 'D' is also enclosed herewith for strict compliance and to report thereof.

Encl: as above

Yours faithfully

[Signature]
 12/01/2018
 DIRECTOR OF MINING & GEOLOGY (I/c)



Copy to -

The Senior Geologist, District Office, Kozhikode
(Letter No. DOZ/M. 1685/15 dtd. 23/11/2015, 19/01/2016)

You are instructed to execute the lease deed as and when it is received. The original survey map is enclosed herewith. **YOUR SEAL AND SIGNATURE SHOULD BE AFFIXED ON THE SURVEY MAP.** Please acknowledge. A copy of the lease deed may be forwarded to this office soon after registration. Ensure that the area under this grant is demarcated and boundary stones fixed before execution of the lease deed.

You are also instructed to obtain and forward the Form D to this office. No movement permits shall be issued before the service of Form 'D' notice, which is a statutory requirement.

You are further instructed to forward photocopies of the registered lease deed to the Director of Mines Safety, Bangaluru Region & District Collector. Also ensure that the lessee has erected notice board and made proper fencing before the execution of lease deed as stipulated in the rules.



PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY

Sub: Mining & Geology - Mines & Minerals - Minor Minerals – Granite Building Stone – Quarrying Lease to **M/s. Ruby Stone Crusher, Chamel. P. O, Thamarassery, Kozhikode District – 673 573 (Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)**
- sanctioned – orders – issued.

- Ref:** 1. Application dtd. 19/01/2016 from to **M/s. Ruby Stone Crusher, Chamel. P. O, Thamarassery, Kozhikode District – 673 573 (Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)**
2. Letter No. DOZ/M. 1685/15 dtd. 23/11/2015, 19/01/2016 from the Senior Geologist, District Office, Kozhikode.
3. Letter of Intent No. 11801/M3/2015 dtd.27/01/2016.
4. Pro.order. No. 10/DEIAA/KL/MIN/3970/2017 dtd. 23/09/2017 (EC. No. 10/2017) of the District Environment Impact Assessment Authority, Kozhikode, 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. 664/2017-18/11801/M3/2015/DMG

Dated, Thiruvananthapuram 12/01/2018

ORDER

A quarrying lease is granted to **M/s. Ruby Stone Crusher, Chamel. P. O, Thamarassery, Kozhikode District – 673 573 (Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)** to quarry **Granite (Building Stone)** over an area of **4.1943 Hectares** of land comprised in **Re - Survey No. 1 of Kattippara Village, Thamarassery Taluk, Kozhikode District** for **Twelve (12)** 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, Thamarassery** and the approved Mining Plan and environmental clearance submitted by the applicant subject to the under mentioned conditions.

1. 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.
2. 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.
3. 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.
6. 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 **1,00,000 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,

g

- 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.
 10. The lessee shall fence the lease area before the commencement of the quarrying operation for preventing accidents by falling 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.
 11. The lessee shall leave a distance of 7.5m from the boundaries of adjacent properties including government puramboke land while carrying out quarrying operations.
 12. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology.
 13. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the Geologist periodically.
 14. The lessee shall operate the quarry in accordance with the condition stipulated in the environmental clearance and mining plan submitted by them.
 15. The lessee shall obtain all other statutory licences/clearances/No Objection Certificates from other authorities concerned including Explosive licence, consent from Pollution Control Board and D & O licence from the Local Self Government Department concerned.
 16. The lessee shall produce scheme of mining before completion of five years of operation of the quarry.
 17. The lessee shall produce a financial guarantee for **Rs. 1,25,000/- (Rupees one lakh twenty five thousand only)** as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
 18. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
 19. The lessee shall carryout mining operations as per the approved mining plan.
 20. The lessee shall renew Environmental Clearance on or before **23/09/2022** for the operation of the quarry for the remaining period.
 21. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.
 22. The lessee shall comply all the conditions maintained in the statutory licences.

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. Ruby Stone Crusher,
Chamel. P. O, Thamarassery, Kozhikode District – 673 573
(Represented by its Managing Partner, Shri. Abdulla Koya Thangal. C. P)

Copy to:

1. The Director of Mines Safety, No.5, 100FT,Road,17th Main, Koramangala 4th Block Bengaluru, Karnataka - 560034
2. The District Collector, Kozhikode
3. The Senior Geologist, District Office, Kozhikode
4. The Tahsildar, Thamarassery
5. Stock File (2),File copy

(BY ORDER)

Handwritten signature
12/07/2018

SENIOR SUPERINTENDENT



Copy of Permit


Annexure No.7

PUBLIC NOTICE

NOTICE

This is to inform to the General Public that the proposed Quarry Project at Re-Survey No.1, Kattippara Village, Kattippara Panchayat, Thamarassery Taluk, Kozhikode District, Kerala being developed by M/s.Ruby Stone Crusher is accorded with ENVIRONMENTAL CLEARANCE by District Environment Impact Assessment Authority, Kozhikode vide Order No.10/DEIAA/KL/MIN/3970/2017 dt. 23/09/2017 and the copy of the Environmental Clearance is available with the office of District Environment Impact Assessment Authority (DEIAA), Kozhikode and may also be seen on the website of the Authority at <http://environmentclearance.nic.in>

Sd/-
Managing Director
M/s. Ruby Stone Crusher



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ARCHITECTS

Established Architectural Firm wants Project Associate Architect for Multi-Storied Office Building at Kochi.

Send resume to asso.arch2017@gmail.com

PUBLIC NOTICE

NOTICE

No.DUBA/Cons/434/MR/17-(131)

Mr.Unni Krishnan Vadakkedath Sugathan S/o Vadakkedath Kesavan Sugathan resident of 42/532, Kariaparambil house, Chitoor Road, Ernakulam, Kerala 682018 present address 124 NKB Bldg, Karama, Dubai P.O.Box: 64546 Dubai and Miss Pooja Sreedharan Pillai daughter of Sreedharan Pillai Vasupilla Koyikalethu, resident of Sreevalsam Kattanam Pallicakal P O, Kayamkulam via, Alappuzha District, Kerala 690503 present address 212 new Makati Bldg Karama, Dubai,U.A.E. P.O.Box 777 Dubai. Above mentioned Indian Nationals presently residing in UAE have given notice of intended marriage between them under the foreign marriages act, 1969. If anyone has any objection to the proposed marriage he/she should file the same with the undersigned according to the procedure laid down under the act/rules within thirty days from the date of publication of this notice.

Dated:28/9/2017

Sd/- Sumathi Vasude

Marriage Officer & Consul (Consular & Labour) Consulate General of India
P.O.Box: 737, Dubai(U.A.E.), Fax No.009714-397045
Email:cons1dubai@mea.gov.in. Homepage:www.cgidubai.or

ആധാരം നഷ്ടപ്പെട്ടു

ദി കൽപ്പറ്റ എസ്റ്റേയിറ്റ് ലിമിറ്റഡ് കമ്പനിയിൽനിന്നും താമരശ്ശേരി ടൗൺ സ.റ. ആപ്പീസിൽ 1991ൽ 3850-ാം നമ്പ്രായി എന്റെ പേരിൽ രജിസ്റ്റർ ചെയ്ത തീരാധാരം നഷ്ടപ്പെട്ടുപോയിരിക്കുന്നു. മേൽ നമ്പ്ര ആധാരം കണ്ടുകിട്ടുന്നവർ താഴെ പറയുന്ന വിലാസത്തിൽ അയച്ചു തരണമെന്ന് അപേക്ഷിക്കുന്നു.

പി.ടി. അബ്ദുറഹിമാൻ, പുറ്റുങ്ങാതെലിൽ, പി.ഒ. താമരശ്ശേരി

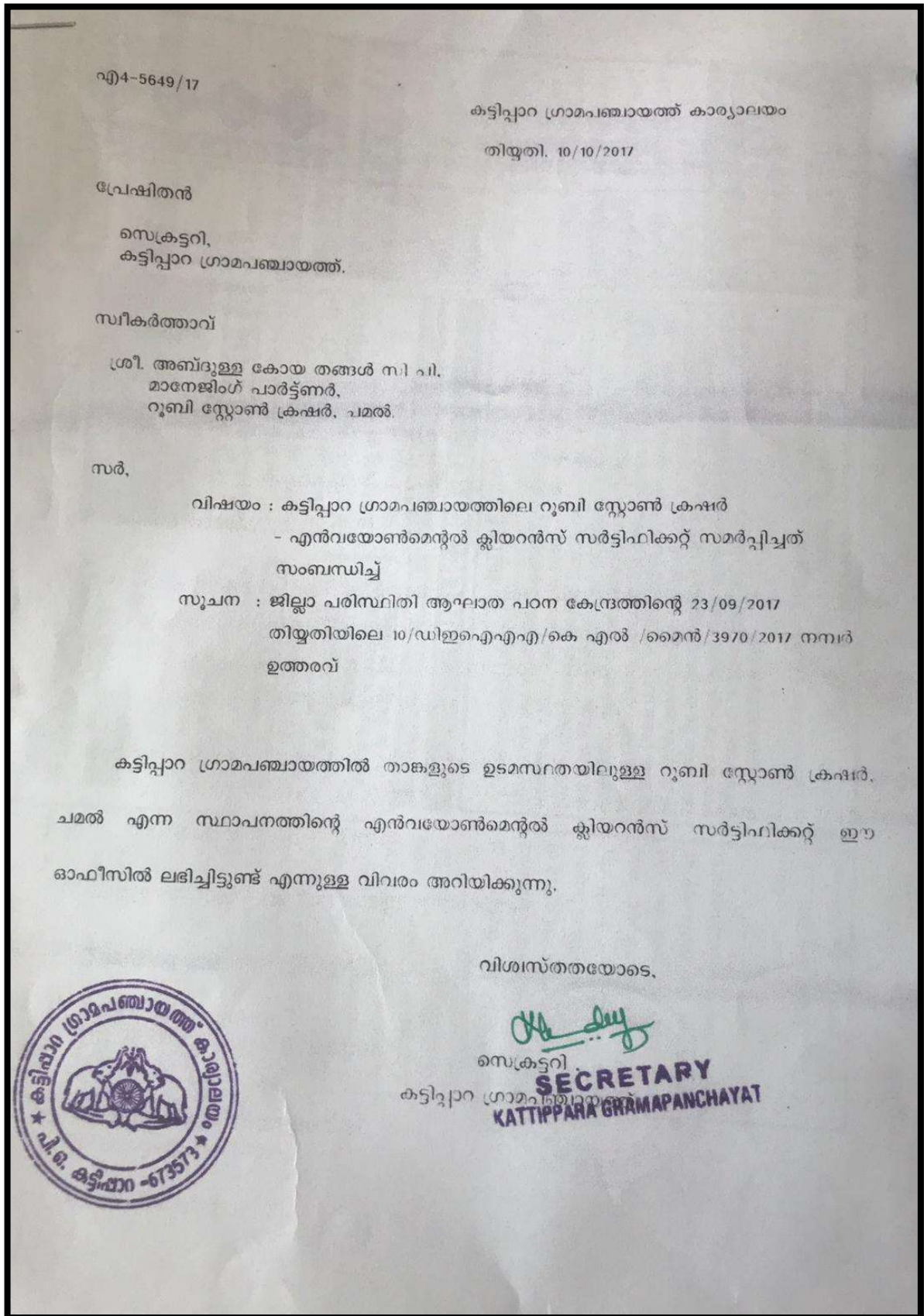
നോട്ടീസ്

പൊതുജന ശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, കോഴിക്കോട് ജില്ല, താമരശ്ശേരി താലൂക്ക്, കട്ടിപ്പാറ പഞ്ചായത്ത്, കട്ടിപ്പാറ വില്ലേജിലുംപെട്ട, റീ.സർവ്വേ നമ്പർ 1ൽ പാറ ഖനനം ചെയ്യുന്നതിന് വേണ്ട പരിസ്ഥിതി അനുമതി റൂബി സ്റ്റോൺ ക്രഷർ എന്ന സ്ഥാപനത്തിന് ജില്ലാ പരിസ്ഥിതി ഇംപാക്ട് അസ്സസ്മെന്റ് അതോറിറ്റി, കോഴിക്കോട് നിന്നും ഓർഡർ നമ്പർ 10/DEIAA/KLMIN/3970/2017 തീയതി 23/09/2017 ഓർഡർ പ്രകാരം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് ജില്ലാ പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പിൽ ലഭ്യമാണ്. <http://environmentclearance.nic.in> എന്ന വെബ്സൈറ്റിൽകൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

ബേപ്പൂർ	9895153967	തിരുവമ്പാടി	9539002264
പേരാമ്പ്ര	9846925488	താമരശ്ശേരി	8943798166
പയ്യോളി	9539001012	കുറ്റിച്ചിറ	9497170838
അത്തോളി	9947654144	ഗുഡല്ലൂർ, നീലഗിരി	09443523707
മുക്കം	9048488380	വയനാട്: വയനാട്: കൽപ്പറ്റ, മാന്തവാടി,	
കുന്നമംഗലം	9539008558	മിനങ്ങാടി, ബത്തേരി, പനമം	9645006153

Copy of News Paper

Annexure No.8



Copy of Acknowledgement from Panchayath

Annexure No.9

**TEST REPORT**

Test Report No: 20220808/R017	Date: 13-08-2022	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	Mr. Abdullakoya Thangal C.P, Managing Partner M/s Ruby Stone Crusher PMP Estate, Chamal, Thamarassery,Kozhikode District
Customer Reference	Test Request dt 08-08-2022

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20220808/S017
Sample Name	Ambient Air	Sample Received on	09-08-2022
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	09-08-2022
Sampled by	Lab Authorized Sampler	Test Completed on	12-08-2022

DETAILS OF SAMPLING			
Sampling Location	North Side Boundary	Date of Sampling	08-08-2022
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	72%

SAMPLING SITE DETAILS			
Survey No	1		
Village	Kattipara	Taluk	Thamarassery
District	Kozhikode	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
1	Particulate matter (PM ₁₀)	IS 5182 (Part 23): 2006	µg/m ³	51.8	100 (Max)
2	Particulate matter (PM _{2.5})	IS 5182 (Part 19): 2019	µg/m ³	26.4	60.0 (Max)
3	Sulphur dioxide (SO ₂)	IS 5182 (Part 2): 2001	µg/m ³	< 4.0	80.0 (Max)
4	Nitrogen dioxide (NO ₂)	IS 5182 (Part 6): 2006	µg/m ³	< 4.0	80.0 (Max)

Remarks:

End of Report

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.

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: sealab@gmail.com

Copy of Result of Air

Annexure No.10



TEST REPORT

Test Report No: 20220808/R018	Date: 13-08-2022	Page 1 of 1			
CUSTOMER DETAILS					
Customer Name & Address	Mr. Abdullakoya Thangal C.P, Managing Partner M/s Ruby Stone Crusher PMP Estate, Chamal, Thamarassery, Kozhikode District				
Customer Reference	Test Request dt 08-08-2022				
DETAILS OF MONITORING					
Product Category	Atmospheric Pollution	Sample Code	20220808/S018		
Sample Name	Ambient Noise	Monitoring Commenced on	08-08-2022		
Monitoring Location	North Side Boundary	Monitoring Completed on	09-08-2022		
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler		
MONITORING SITE DETAILS					
Survey No	1				
Village	Kattipara	Taluk	Thamarassery		
District	Kozhikode	State	Kerala		
MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.5	14:00	50.3	22:00	36.4
07:00	40.2	15:00	50.7	23:00	35.5
08:00	44.5	16:00	51.9	24:00	38.1
09:00	48.0	17:00	52.2	01:00	38.8
10:00	50.3	18:00	46.8	02:00	38.4
11:00	53.4	19:00	43.3	03:00	39.2
12:00	50.7	20:00	39.5	04:00	38.1
13:00	49.9	21:00	39.0	05:00	39.9
TEST RESULTS- CHEMICALPARAMETERS				UNIT	RESULT
Sl. No.	PARAMETERS		UNIT	RESULT	
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)		dB(A)	48.8	
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)		dB(A)	38.4	

Remarks:

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

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

Copy of Result of Noise

Annexure No.11

**TEST REPORT**

Test Report No: 20220808/R019	Date: 13-08-2022	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	Mr. AbdullakoyaThangal C.P, Managing Partner M/s Ruby Stone Crusher PMP Estate, Chamal, Thamarassery, Kozhikode District
Customer Reference	Test Request dt 08-08-2022

SAMPLE DETAILS			
Product Category	Water	Sample Code	20220808/S019
Sample Name	Open Well	Sample Received on	09-08-2022
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	7°C
Sample Quantity & Packing	1L & 250ml Plastic Bottles	Test Commenced on	09-08-2022
Sampled by	Lab Authorized Sampler	Test Completed on	12-08-2022

DETAILS OF SAMPLING			
Sample Source	Project site	Date of Sampling	08-08-2022
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	28 °C

SAMPLING SITE DETAILS			
Survey No.	1		
Village	Kattipara	Taluk	Thamarassery
District	Kozhikode	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	1.00	5.00 (Max)
2	Odour	IS 3025 (Part 5):2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984	NTU	<0.10	1.00 (Max)
4	pH	IS 3025 (Part 11):1983	---	7.14	6.50 – 8.50


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

**TEST REPORT**

Test Report No: 20220808/R019	Date: 13-08-2022	Page 2 of 2
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TEST RESULTS - CHEMICAL PARAMETERS

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
5	Conductivity	IS 3025 (Part 14):1984	µS/cm	125	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984	mg/L	75.2	500 (Max)
7	Total Hardness (as CaCO ₃)	IS 3025 (Part 21):2009	mg/L	18.7	200 (Max)
8	Calcium (as Ca)	IS 3025 (Part 40):1991	mg/L	4.67	75.0 (Max)
9	Magnesium (as Mg)	IS 3025 (Part 46):1994	mg/L	1.92	30.0 (Max)
10	Chloride (as Cl)	IS 3025 (Part 32):1988	mg/L	26.5	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23):1986	mg/L	12.1	200 (Max)
12	Iron (as Fe)	IS 3025 (Part 53):2003	mg/L	≤0.10	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 (Part 24):1986	mg/L	2.35	200 (Max)

TEST RESULTS - BIOLOGICAL PARAMETERS

Sl. 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

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

Copy of Result of Water

Annexure No.12

SHALIMAR TRADERS											Form GST INV-1	
TEE KEY ARCADE, ENGAPUZHA KOZHIKODE DIST., PHONE: 0495-2234113											GSTIN: 32ABYFS2926A1Z6	
Name & Address Of Buyer						Invoice No: .1543						
RUBY STONE CRUSHER CHAMAL PO THAMARASSERY -673573 9446032919 State Code: 32(Kerala)						Inv.Date: 03-06-2022						
						Buyer's GSTIN: 32AAKFR5502J1ZA						
						Vehicle No:						
Sl. No	Description	HSN Code	Qty	Rate	Discount Rs.	Taxable Rs.	CGST %	CGST Rs.	SGST %	SGST Rs.	Amount Rs.	
1	CHILLY	9042110	500	200.00	0.00	100000.00	2.50	2500.00	2.50	2500.00	105000.00	
2	Mally (CORIANDER SEEDS)	9092190	500	142.86	0.00	71430.00	2.50	1785.75	2.50	1785.75	75001.50	
3	P UPPU BAG		75	270.00	251.99	19998.01	0.00	0.00	0.00	0.00	19998.01	
Total:			1075		251.99	191428.01		4285.75		4285.75	199999.51	
Total CGST: 4285.75						TOTAL:				199,999.51		
Total SGST: 4285.75						Round off:				0.49		
						NET AMOUNT:				200,000.00		
Rupees Two Lakh Only												
Page : 1						For SHALIMAR TRADERS						
						Authorised Signatory						

SHALIMAR TRADERS

Form GST INV-1

TEE KEY ARCADE, ENGAPUZHA
KOZHIKODE DIST., PHONE: 0495-2234113**GSTIN: 32ABYFS2926A1Z6**

Name & Address Of Buyer RUBY STONE CRUSHER CHAMAL PO THAMARASSERY -673573 State Code: 32(Kerala)	Invoice No: 1510 Inv.Date: 02-06-2022 Buyer's GSTIN: 32AAKFR5502J1ZA Vehicle No:
--	---

Sl. No	Description	HSN Code	Qty	Rate	Discount Rs.	Taxable Rs.	CGST		SGST		Amount Rs.
							%	Rs.	%	Rs.	
1	SUGAR 50KG	1701	40	1828.57	0.00	73142.80	2.50	1828.57	2.50	1828.57	76799.94
2	Joker Golden 50	10061090	1000	55.00	0.00	55000.00	0.00	0.00	0.00	0.00	55000.00
3	MAIDA LIBERTY 50KG	1101	20	1790.00	1260.02	34539.98	0.00	0.00	0.00	0.00	34539.98
4	LIBERTY PALM OIL 1 LTR	1511	22	1457.14	0.00	32057.08	2.50	801.43	2.50	801.43	33659.94
Total:			1082		1260.02	194739.86		2630.00		2630.00	199999.86

Total CGST: 2630.00

Total SGST: 2630.00

TOTAL:

Round off:

NET AMOUNT:

199,999.86

0.14

200,000.00

Rupees Two Lakh Only

Page : 1

For SHALIMAR TRADERS

Authorised Signatory





CSR receipts & proofs