

SOUTHERN ROCK & AGGREGATE MINING COMPANY

**Re Sy.No1019/3, 1019/4, 1019/5, 1019/6, 1019/7, 1021/6, 1021/8, 1021/9, 1027P, 1028P, 1029P
and 1030P at Painkulam Village, Thalappilly Taluk, Thrissur District, Kerala**

Phone : +91 99954 07570

E- Mail: southernrocks999@gmail.com

Date : 05-05-2021

To

- 1. The Regional Director,
MoEF Regional Office, South Zone,
Kendriya Sadan,4th Floor,E&F Wing II Block,
Koramangala, Bangalore- 560 034**
- 2. The Chairman/The Director,
DoECC & Secretary SEAC Kerala,
Fourth Floor, KSRTC Building
Thampanoor,
Thiruvananthapuram,
Kerala- 695001**

Sub: Compliance Report –(October 2020 - March 2021).

**Quarry Project at Re Sy. No. 1019/3, 1019/4, 1019/5, 1019/6, 1019/7, 1021/6,
1021/8, 1021/9, 1027P, 1028P, 1029P and1030P at Painkulam Village,
Thalappilly Taluk, Thrissur District, Kerala**

Ref: File Number – order E.C. No. 285/SEIAA/KL/1362/2014. dtd.05.12.2014

Respected Sir,

Our Quarry Project was accorded with Environmental Clearance with order no. E.C. No. 285/SEIAA/KL/1362/2014. **dtd.05.12.2014**. The Compliance Report **(October 2020 - March 2021)** to Specific and General Conditions of Environmental Clearance is enclosed.

Thanking you,

Yours Faithfully,

T Mathew Abraham

**COMPLIANCE REPORT
ON
THE CONDITIONS
OF**

ENVIRONMENTAL CLEARANCE ORDER

E.C. No. 285/SEIAA/KL/1362/2014, dated.05.12.2014

By

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)**

FOR

**SOUTHERN ROCK & AGGREGATE MINING
COMPANY**

IN

**RE SY.NO 1019/3, 1019/4, 1019/5, 1019/6, 1019/7, 1021/6, 1021/8,
1021/9, 1027P, 1028P, 1029P AND 1030P**

**AT PAINKULAM VILLAGE, THALAPPILLY TALUK,
THRISSUR DISTRICT, KERALA**

OCTOBER 2020 - MARCH 2021

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Chapter 1

INTRODUCTION

Southern rock & aggregate mining company is a quarry project accorded with environmental clearance number: **285/SEIAA/KL/1362/2014** by State Environmental Impact Assessment Authority on **05.12.2014**. Six monthly compliance reports to the conditions of the environmental clearance are to be submitted as part of compliance. The compliance report to the specific and general conditions of the environmental clearance for the period of October 2020 - March 2021 is being submitted.

The quarry project is controlled and managed by Sri.T.Mathew Abraham, Proprietor, M/s Southern Rock & Aggregate Mining Company in Painkulam Village and Thalappilly Taluk, Thrissur District, Kerala state ;

- Contact Details;
 - **Phone No:** 9995407570
 - **e-mail:** southernrocks999@gmail.com

Project Location:

Re Sy. No. 1019/3, 1019/4, 1019/5, 1019/6, 1019/7, 1021/6, 1021/8, 1021/9, 1027P, 1028P, 1029P and 1030P at Painkulam Village, Thalappilly Taluk Thrissur District, Kerala

The proposed project site falls within:

Latitude(N): $10^{\circ}44'02.9''$ N to $10^{\circ}44'10.8''$ N.

Longitude(E): $76^{\circ}17'38.2''$ E to $76^{\circ}34'53.4''$ E.

The quarry is located 3.1 KM E of Vallathol Nagar Railway Station and 2.9 KM E of State Highway 22 to join at Cheruthuruthy, Trissur Dt., Kerala

Project category:

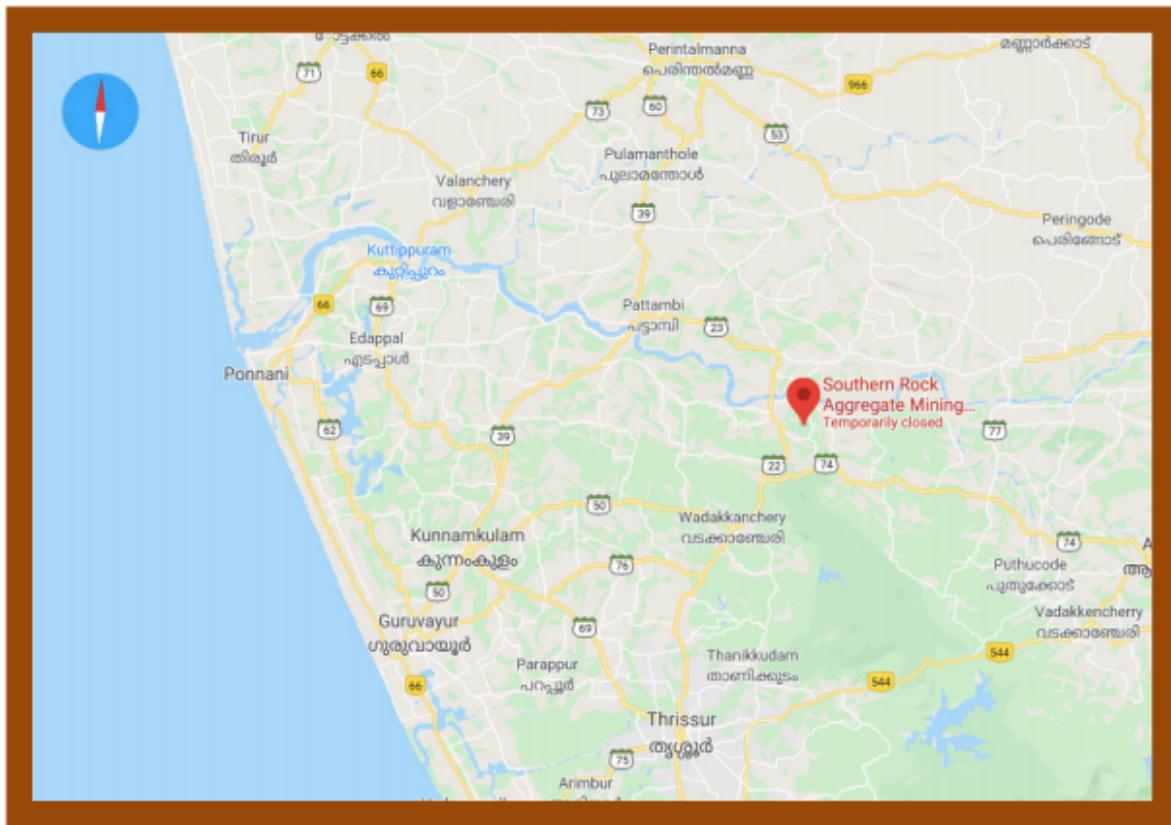
The project comes under the Category B, Activity 1(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.it is further categorized as Category B2.

Project extent and activity:

The project is for quarrying of 3,00,000 MTA of building stone from an area of 7.800hectares of land located as specified above.

Project description:

The proposed project activity involves about 100 % of the pit area for exploring building stone. At the end of life of mine, excavated pit will be fully reclaimed and rehabilitated by plantation. The proposed project does not involve any underground mining activities. The mining is done by open cast semi mechanized method.

**Location of Quarry on Google Maps**



View of the quarry on Google Earth

Chapter 2

GENERAL CONDITIONS

CONDITION 1

Rain water harvesting facility should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.

COMPLIANCE:

The runoff water during rain is collected in an earlier mined pit and it is used irrigation of plantations, water sprinkling of road and for other non-drinking purposes. For drinking and other purposes open well water and a water tank is used. Rain water harvesting to collect and utilize the entire water falling in the land area is provided. Photographs attached in Photo no. 4.

CONDITION 2

Environment monitoring cell as agreed under the affidavit filed by the proponent should be formed and made functional.

COMPLIANCE:

An environmental monitoring cell is formed with Mr. T Mathew Abraham (Proprietor of the Company) as head of the monitoring cell and made functional. Meeting of monitoring cell is arranged quarterly and discussion on the status of the compliance of the specific and general conditions contained in the Environmental clearance order are carried out. The details of the monitoring cell members are given below

SI No.	Post	Name
1	Head of the monitoring cell (Proprietor of the Company)	Mr. T. Mathew Abraham.
2	Head in charge(Environment)	Mr. Prince Abraham
3	Environmental Officer	Mrs. Reya Prince
4	Name of the environmental officer in charge at Site	Mr. Mijo P.S.
5	Name of the environmental consultant	Poluchem Laboratories (P) Ltd.

6	Address of Environmental laboratory	Poluchem Laboratories (P) Ltd., Pallath Building, North Kalamassery P.O., Ernakulam- 683104
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CONDITION 3

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.

COMPLIANCE:

Trees are almost covered on both sides of the haul road and the parking areas. The photos showing avenue trees are shown in Photogaph no 5. The area without vegetation is planted by suitable vegetation. The list of some plants and trees along the sides of the road and the parking areas are listed below. The photos of vegetation are provided in Photos 10 and 11.

Sl No.	Scientific Name	Common Name	Family
1	<i>Hevea Brasiliensis</i>	Rubber	Euphorbiaceae
2	<i>Artocarpus heterophyllus</i>	Jackfruit tree	Moraceae
3	<i>Mangifera indica L</i>	Mango tree/Mavu	Anacardiceae
4	<i>Cocos nucifera</i>	Thengu	Arecaceae

CONDITION 4

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

COMPLIANCE:

Solar Energy device will be installed in the project area shortly.

CONDITION 5

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

COMPLIANCE:

Fixed Water Sprinkling System are installed along the main haul road to suppress dust generated during stone transportation. The road systems of the project site are periodically watered by sprinkler system installed in tipper lorry and through a water tank installed in the site. Photographs are attached in Photo no. 12

CONDITION 6

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

COMPLIANCE:

Eco restoration including the mine closure plan will be done at our own cost. As a beginning, we are maintaining the overburden and top soil in a selected area for further reclamation process.

CONDITION 7

At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C.

COMPLIANCE

At the end of the mining activities, 10 percent of the pit area will be retained as water storage area and the remaining will be reclaimed with staked dumping and overburden. Now the top soil and the overburden are stored in a particular area for reclamation process.

CONDITION 8

Corporate Social Responsibility (CER) agreed upon by the proponent should be implemented.

COMPLIANCE:

Company earmarked amounts for CER components as per the undertaking provided. The company spending amount earmarked for CER components for different social activities such as donations to health, treatment etc.

The CER activities and various expenses are attached as Photos 14,15 and Annexure 10.

CONDITION 9

The lease area shall be fenced off with barbed wires to a minimum height of 4ft amend, before starting of mining. All the boundary indicators (board, stores, markings, etc) shall be protected at all time and shall be conspicuous.

COMPLIANCE:

Barbed metal wire fencing is provided around the mining area. Photographs attached as **Photograph No. 1 & 2**

CONDITION 10

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

COMPLIANCE:

Warning alarms are provided at the time of blasting. These have been installed as per stipulations of explosives department and Directorate General of Mines Safety. It is ensured that no person shall enter the premises at this time.

Time of Blasting : The blasting will be carried out during the day time from 09.30 am to 10.00 am, 1 pm to 1.30 pm and 4:30 pm to 5:00 pm

CONDITION 11

Control measures on noise and vibration prescribed by KSPCB should be implemented.

COMPLIANCE:

The dust and sound levels were monitored through an environmental laboratory during the quarry in operation and the monitored results are well within the standards applicable. The lab reports are shown in Annexure 8

CONDITION 12

Quarrying activities should be limited to day time as per KSPCB guidelines.

COMPLIANCE:

Under Compliance.

CONDITION 13

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

COMPLIANCE:

Drilling and Blasting is done in a controlled manner as specified by the Controller of explosives and by the Metalliferous Mines Regulations and the circulars issued by the DGMS. A competent person, holding the Mining mate certificate of Competency is appointed to supervise and carry out blasting activities.

CONDITION 14

A licensed person should supervise/ control the blasting operation.

COMPLIANCE:

Blasting is done and supervised in a controlled manner as specified by the Mine mate, holding the Mining mate certificate of Competency and is assisted by a Blaster certificate holder to carry out blasting activities. The copy of mining mate's certificate is attached in annexure 5

CONDITION 15

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

COMPLIANCE:

Dust liberation and emission is contained frequent wetting of roads by sprinkling water. Tarring would be complied with to further augment suppression of dust. The tarring work is already completed

CONDITION 16

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

COMPLIANCE:

As suggested overburden excavated from the quarry will be dumped separately at lower parts and is now utilized in spreading over reclaimed areas for plantation. The over burden is now utilized for laying internal haul road and will form base in reclamation/plantation. Precautions will be taken to limit the height of the topsoil dump from 4 to 5 meters in order to preserve its

fertility and shelf life. It will be suitably protected from soil erosion and infertility by constructing a retaining wall at the foot wall side and by planting fodder grass and leguminous plants during temporary storage.

- Gradation of dump shall be done automatically as coarser materials go to the bottom and finer at the top and therefore drain of rain water flow freely to the bottom without endangering the stability of dump.
- Stabilization of dump with top soil and tree plantation shall make the dump more stable on long run.
- 1 m height parapet shall be constructed for dumps more than 6m height along the toe to prevent and control wash out from dumps entering into natural system through rain water.
- Garland drainage around dump shall prevent under wash of dump by hydrostatic pressure to be developed by surface water and control wash outs and collapse.
- Dump shall be terraced for every 5m height and stabilized as above.

CONDITION 17

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

COMPLIANCE:

Under Compliance.

CONDITION 18

Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.

COMPLIANCE:

Maximum charge per delay will always be less than 10kg to limit the PPV levels. Controlled blasting is practiced to control fly rock. Mats to reduce fly rock during blasting operations will be introduced shortly.

CONDITION 19

Maximum depth of mining from general ground level at site shall not exceed 10 meters.

COMPLIANCE:

Presently the Mining depth is well above the stipulated level and it will be maintained as well.

CONDITION 20

No mining operations should be carried out at places having a slope greater than 45 degrees.

COMPLIANCE:

Under compliance.

CONDITION 21

Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB / KSPCB.

COMPLIANCE:

Sound levels are periodically monitored by accredited agencies. If there is any increase in the permissible sound level, we will take necessary action to reduce the same. To reduce the propagation of noise arising out during the quarrying operation, the trees and plants are contributing a major role.

CONDITION 22

The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.

COMPLIANCE:

The workers on the site are provided with protective equipment such as helmets, ear muffs etc.

CONDITION 23

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

COMPLIANCE:

The construction of garland drains in the project area is under process.

CONDITION 24

The transportation of minerals should be done in covered trucks to contain dust emissions.

COMPLIANCE:

The transportation of minerals is carried out only in covered trucks. Photos attached in photograph no. 8

CONDITION 25

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

COMPLIANCE:

Would be complied

CONDITION 26

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

COMPLIANCE:

Company will make arrangements shortly to dispose off spent oil as per Hazardous Waste (Management & Handling) Rules, 1989 and 2003.

CONDITION 27

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

COMPLIANCE:

Explosives are stored in magazines in isolated place specified and approved by the explosives department. The copy of Explosive License is attached as **Annexure 3**

CONDITION 28

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

COMPLIANCE:

As per the distance criteria of KSPCB no residences, public roads, rivers, worship places are nearby the quarry within 100 Meters.

CONDITION 29

100 m buffer distance should be maintained from forest boundaries.

COMPLIANCE:

No forest boundaries around 100m distance from the quarry.

CONDITION 30

Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.

COMPLIANCE:

Consent from KSPCB has been obtained and the copy of the same is provided at **Annexure No. 1.**

CONDITION 31

All other statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives.

COMPLIANCE:

All other statutory clearances have been obtained by the project proponent, such as Kerala Pollution Control Board CTO and Explosive License. The copies of the same are provided at **Annexure No. 1, 3** respectively.

CONDITION 32

In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this authority.

COMPLIANCE:

Would be complied

CONDITION 33

The authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environmental 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.

COMPLIANCE:

Understood

CONDITION 34

The stipulations by statutory authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006

COMPLIANCE:

Would be complied

CONDITION 35

The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the authority at www.environmentalclearance.nic.in The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.

COMPLIANCE:

The project proponent has advertised in two local newspapers widely circulated in the region, one of which is in the vernacular language informing that the project has been accorded EC and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website. The copy of the advertisement is shown in Annexure 2.

CONDITION 36

A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat. The EC shall also be put on the website of the company by the proponent.

COMPLIANCE:

The copy of the clearance letter was submitted to the concerned Grama Panchayat and the acknowledgment is received. The D&O Licence copy is provided in **Annexure No. 4**.

CONDITION 37

The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MOEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.

COMPLIANCE:

Would be complied

CONDITION 38

The details of EC 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.

COMPLIANCE:

The details of EC are prominently displayed in a metallic board of 3Ft x 3Ft with green background and yellow letters of Times New Roman font of size of not less than 40. The photograph of the same is provided in **Photo No. 7**

CONDITION 39

The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance (proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.

COMPLIANCE:

Notarized affidavit has been submitted stating that all the conditions in the EC will be scrupulously followed.

CONDITION 40

The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified contained in any other permit, licence or consent given by any other authority for the same project.

COMPLIANCE:

The conditions of SEIAA are strictly followed.

Chapter 3

SPECIFIC CONDITIONS

CONDITION 1

Steep cutting with more than 50m height are seen in the active and old quarried faces. Bench formation is being introduced in the presently active working area on the top but need planning with a main haulage to the top. Hence the steeply cut faces on the lower/bottom region must be fenced and provided with danger signs. It must be worked only after benches are made on the top.

COMPLIANCE:

The work is nearing completion. The haulage road and development of reducing the bench height and formation of benches are being planned accordingly.

CONDITION 2

Pockets of overburden are seen in the elevated crustal parts and in the eastern flanks. This is now stored in the low lying area but not in the designated places. Sheet flow of rain water can carry soil from this area. This is a need to preserve OB for restoration of the quarry during the closure. Care must be taken when the OB is removed from the steep slopes. Dark humus rich top soil must be preserved.

COMPLIANCE:

The top soil and the overburden are now stored in designated areas for reclamation process.

CONDITION 3

Mechanism to channelize the water, arrest soil movement, desiltation and clarification of water do exist. The old pit in the Centre of the active quarry is used as a settling tank as well as RWH Pond. The entire flow from the quarry face is directed to this pit. The water existing from these areas is not provided with silt traps and lined channels though planned. A proper silt trap mechanism and clarification mechanism must be provided.

COMPLIANCE:

The directions are now scrupulously followed. Trenches are formed around the mining area and slope towards the RWH for collection of water.

CONDITION 4

There is no separate stockyard for the finished product from their crushed unit. Presently it is being stored in open spaces on the southern side.

COMPLIANCE:

The stockyard is near completion and the finished products will be stored in a closed and secured place shortly.

CONDITION 5

Vegetative covering must be provided in the debris mantle slopes where quarry operation is not planned.

COMPLIANCE:

Vegetative covering is now being provided. Saplings are now being planted at various debris mantle slopes in which quarry operation is not planned.

The list of vegetation now being planned are as follows.

Sl No.	Scientific Name	Common Name	Family
1	<i>Hevea Brasiliensis</i>	Rubber	Euphorbiaceae
2	<i>Artocarpus heterophyllus</i>	Jackfruit tree	Moraceae
3	<i>Mangifera indica L</i>	Mango tree/Mavu	Anacardiceae
4	<i>Cocos nucifera</i>	Thengu	Arecaceae

CONDITION 6

100m buffer distance must be provided from the dwelling units.

COMPLIANCE:

The directions are now scrupulously followed.

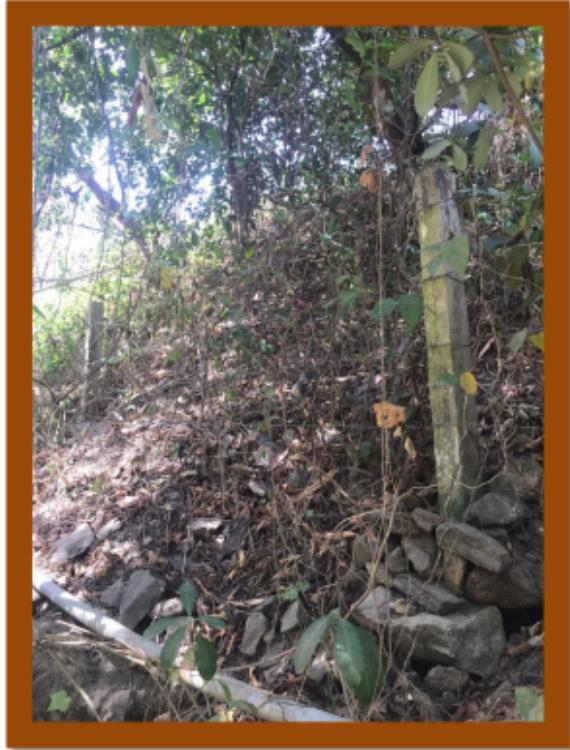
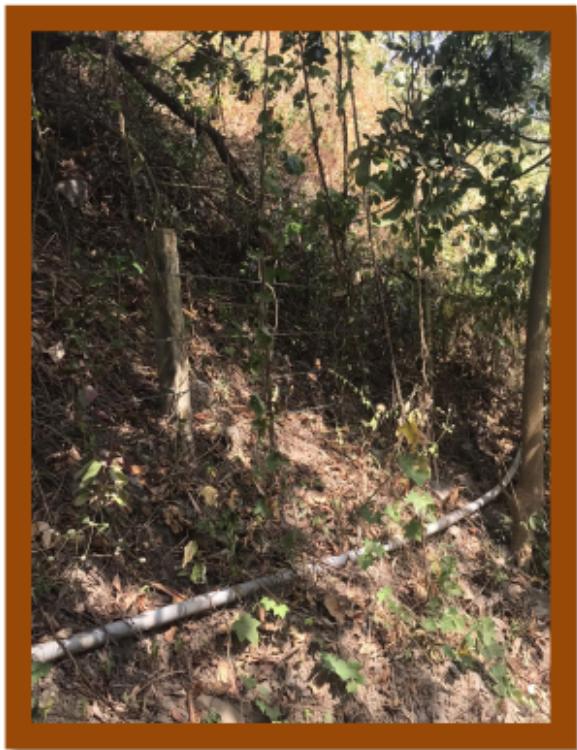
Chapter 4

Future Plan of Actions

- 1) Topographic Survey of the present workings of the mine.
- 2) Renewal of Panchayat, KSPCB Certificates.
- 3) Re- Estimation of Reserves.
- 4) Provide Medical camp to the employees.

SITE PHOTOGRAPHS

PHOTO: NO. 1



FENCING WITH BARBED METAL WIRE

PHOTO: NO. 2



PHOTOGRAPH OF FENCING & BOUNDARY POINTS

PHOTO NO: 3



OB STOCK YARD WITH INTERCALATED WASTE

PHOTO NO: 4



RAINWATER HARVESTING PIT

PHOTO NO: 5



AVENUE TREES PLANTED ALONG EITHER SIDE OF TARRED ROAD

PHOTO NO: 6



NOTICE BOARDS AT QUARRY

PHOTO NO: 7

**SOUTHERN ROCK & AGGREGATE
MINING COMPANY**
 Painkulam P.O, Cheruthuruthy, Thirssur District
 email : southernrocks999@gmail.com
 Ph: 04884 261563

Sl No	License	Number	Issue Date	Validity
1	Environmental Clearance	No.285/SEIAA/KL/1362/2014	4/5/2014	20 Years
2	Mining Lease Area (7.8 Hectares)	No.830/2014-15/1794/M3/2015	3/7/2015	12 Years
3	GST	32ACUPT1245L1Z5	7/1/2017	
4	Pollution Control Board ① Quarry ② Crusher	No.PCB/DO/TSR/R4/ICO/804/2017 No.PCB/DO/TSR/R4/ICO/804/2018	6/6/2017 8/12/2018	3 years 5 Years
5	Explosive Licence	No.E/SC/KL/22/867(E40147)	1/28/2015	5 Years
6	Panchayat Licence	C3-C3/846/2019/2019-20-114	4/9/2019	5 Years
7	Royalty Compounded	No.2808/M3/2019	3/23/2019	Every Year
8	Mines Manager (PRINCE ABRAHAM)			

NOTICE BOARD THAT SHOWS EC AT THE QUARRY SITE

PHOTO NO: 8



COVERED TRUCKS FOR TRANSFER OF MATERIALS

PHOTO NO: 9



SITE CANTEEN

PHOTO NO: 10



PHOTOGRAPHS SHOWING SAPLINGS TO BE PLANTED AT SITE

PHOTO NO: 11



PHOTOGRAPHS SHOWING VEGETATION AND AFFORESTATION

PHOTO NO: 12



SPRINKLERS INSTALLED AT SITE

PHOTO NO: 13



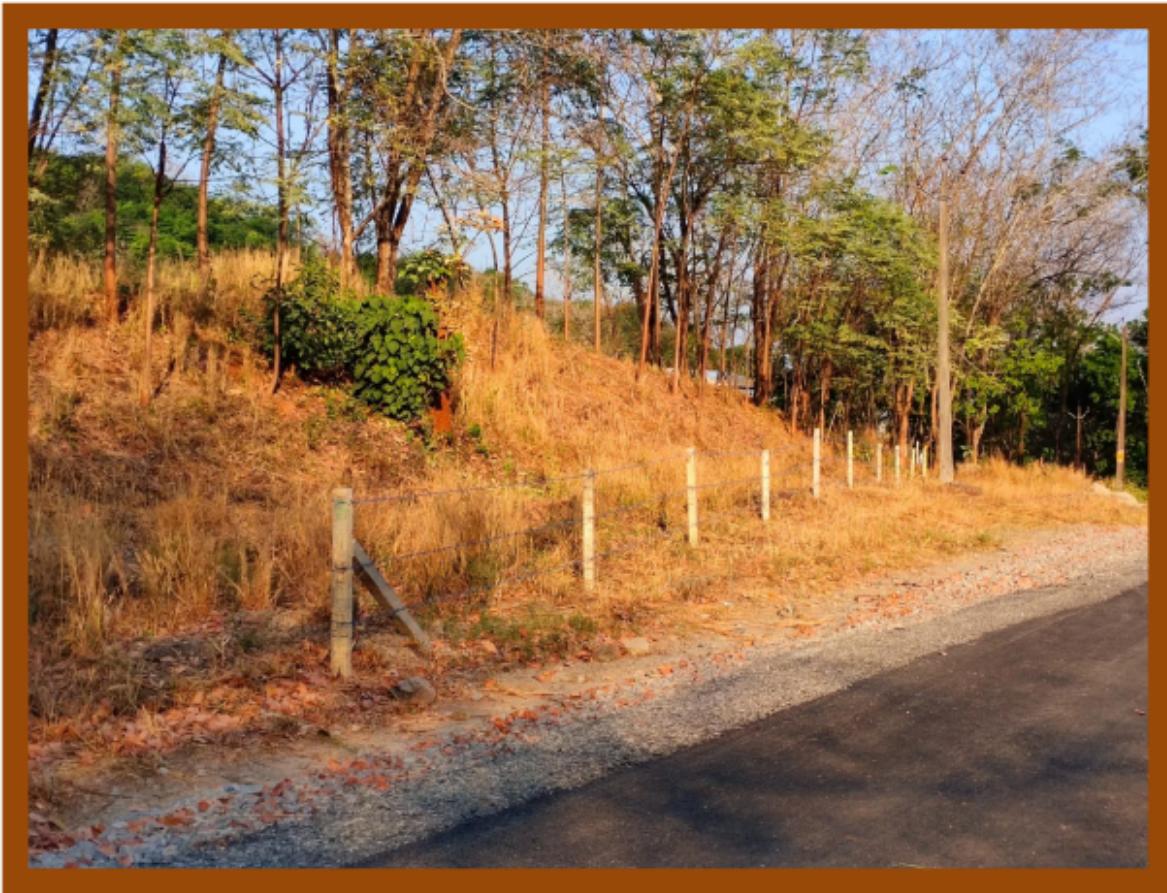
FORMATION OF BENCHES

PHOTO NO: 14



HAULAGE ROAD INSIDE MINE

PHOTO NO: 15



OB DUMP YARD AND FENCING

PHOTO NO: 16



FORMATION OF DRAINS TOWARDS SETTLING POND OUTSIDE THE LEASE BOUNDARY

ANNEXURES

ANNEXURE 1

 KERALA STATE POLLUTION CONTROL BOARD FILE NO. :PCB/TSR/IC/206/07 Date of issue :06/06/2017 INTEGRATED CONSENT TO OPERATE - RENEWAL Consent No : PCB/DO/TSR/R4/ICO/804/2017 Ref : Previous Consent No:PCB/DO/TSR/R3/ICO/804/2016 dated 04.03.2016 <p>The ' Integrated Consent to Operate' issued as per reference above to M/s SOUTHERN ROCK & AGGREGATE MINING COMPANY(QUARRY) PAINKULAM P.O. , CHERUTHURUTHY, THRISSUR- 679531 is hereby renewed up to 30/06/2020 and issued to M/s SOUTHERN ROCK & AGGREGATE MINING COMPANY(QUARRY) PAINKULAM P.O. , CHERUTHURUTHY, THRISSUR- 679531 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.</p> <p>I. GENERAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">S.No.</th> <th style="width: 40%;">Items</th> <th style="width: 50%;">Description</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Last date of consent renewal</td> <td style="text-align: center;">31.03.2020</td> </tr> </table> <p>II. Stack Details</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Stack No.</th> <th style="width: 20%;">Source of Emission</th> <th style="width: 20%;">Emission Rate(Nm³/Hr)</th> <th style="width: 25%;">Stack Height above Ground Level(In Meters)</th> <th style="width: 20%;">Control Equipment</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>III. CONDITIONS</p> <p>3.1 The PM10 in ambient air at the boundary shall not exceed 100 $\mu\text{g}/\text{m}^3$. 3.2 The PM2.5 in ambient air at the boundary shall not exceed 60 $\mu\text{g}/\text{m}^3$. 3.3 The sound level (L_{eq}) at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas. 3.4 Suspended particulate matter at the boundary of the premises shall not exceed the limit applicable to that area as per the National Ambient Air Quality Standards. 3.5 The consent issued from the Board shall be valid only for a period when all other statutory or necessary</p>	S.No.	Items	Description	1	Last date of consent renewal	31.03.2020	Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above Ground Level(In Meters)	Control Equipment					
S.No.	Items	Description														
1	Last date of consent renewal	31.03.2020														
Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above Ground Level(In Meters)	Control Equipment												

KSPCB CERTIFICATE

clearance from other concerned authorities are valid.
3.6 The renewal application shall be submitted on or before 31.03.2020. Late application shall be accepted only with fine as applicable.

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

DATE :06/06/2017

SIGNATURE & SEAL OF ISSUING AUTHORITY

P.K. BABURAJAN
ENVIRONMENTAL ENGINEER
KERALA STATE POLLUTION CONTROL BOARD
DISTRICT OFFICE, THRISSUR

To

OFFICE SEAL



Page2

KSPCB CERTIFICATE(CONTD.)



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/TSR/IC/3106/2011

Date of issue :04/03/2016

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/DO/TSR/R3/ICO/804/2016

Ref : PCB/DO/TSR/R2/ICO/804/2012

The ' Integrated Consent to Operate' issued as per reference above to M/s SOUTHERN ROCK & AGGREGATE MINING COMPANY(QUARRY),PAINKULAM P.O. , CHERUTHURUTHY, THRISSUR is hereby renewed up to 30/06/2017 and issued to M/s SOUTHERN ROCK & AGGREGATE MINING COMPANY(QUARRY),PAINKULAM P.O. , CHERUTHURUTHY, THRISSUR. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Validity	30/06/2017
2	Survey number	1027P,1028P,1029P,1030P
3	Fee remitted	22,960/-
4	Annual fee	6560/-
5	Capital Investment(Rs in Lakhs)	48

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

III. CONDITIONS

3.1 The PM10 in ambient air at the boundary shall not exceed 100 $\mu\text{g}/\text{m}^3$.
 3.2 The PM2.5 in ambient air at the boundary shall not exceed 60 $\mu\text{g}/\text{m}^3$.
 3.3 The sound level (L_{eq}) at 1m outside the boundary of the site should not exceed the ambient noise standard applicable to the adjoining areas.
 3.4 Suspended particulate matter at the boundary of the premises shall not exceed the limit applicable to that



area as per the National Ambient Air Quality Standards.

3.5 The consent issued from the Board shall be valid only for a period when all other statutory or necessary clearance from other concerned authorities are valid.

3.6 The renewal application shall be submitted on or before 31.03.2017. Late application shall be accepted only with fine as applicable.

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

DATE :04/03/2016



SIGNATURE & SEAL OF ISSUING AUTHORITY

P.K. BURAJAN
ENVIRONMENTAL ENGINEER
KERALA STATE POLLUTION CONTROL BOARD
DISTRICT OFFICE, THRISSUR

To

KSPCB CERTIFICATE(CONTD.)

ANNEXURE 2

PUBLIC NOTICES

PUBLIC NOTICE

This is to inform the General Public that State Level Expert Appraisal Committee (SEIAA) Kerala (Constituted by the Competent Authority) as per prescribed procedure under EIA Notification 2006 accorded **Environmental Clearance** under the provision of Environmental Impact Assessment Notification 2006 & for the Building Stone Quarry project in Survey Nos. 1019/3,1019/4, 1019/5,1019/6,1019/7, 1021/8, 1021/9,1027/P,1028/P, 1029/P & 1030/P at Painkulam Village, Panjal Panchayath, Thalapilly Taluk, Thrissur District, Kerala State of M/s. **Southern Rock & Aggregate Mining Company** Vide No. 285/SEIAA/KL/1362/2014 dt. 5-12-2014. The copy of Environmental Clearance is available with the Department of Environment and Climate change, Government of Kerala and may also be seen on the website of the authority at www.seiaakerala.org.

സന്ദേശ

പെരാർത്തുണ്ടന്മായിയുംകാരി, കേരള
സംസ്കാരം മുഴുവൻ ഓല്ല. തലപ്പിള്ളി
നാലുകൾ, ചെപകുളം വിഭല്ലം
പാണ്ടാഡി പഞ്ചാഡ തീരശട്ട്
സർവ്വപ്പു നമ്പ് 1019/3, 1019/4,
1019/5, 1019/6, 1019/7, 1021/8,
1021/9, 1027/P, 1028/P, 1029/P &
1030/P യി സ്വാം വുന്നും ചിച്ചുന്നാരി
നുവേണ്ട പാണ്ഡിതികാനുംതി
സംശ്ലേശം ചേരാണ് & അതിന്റെ
രഹനിംഗ് കാബി സ്രീ നമാപന
ഭാവിന് കേരള ഗജാധ്യാന പാണ്ഡിതി
ശംപാക്കർ അയ്യപ്പമഹാൻ അഭ്യാസിറ്റി
യിൽതിനും 285/SEIAA/KL/1362/
2014. കിട്ടുതി 5-12-2014 ഓർഡർ
പ്രകാശം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡർ
റിന്റെ പരിഹരണ കേരള സംസ്കാര പാണ്ഡിതി
കാലാസന്ധി വ്യാതിയാനവകു
പിൽ ഉള്ളാണ്. www.seiaakerala.org
എന്ന ബൈബിളേസ്റ്റിൽ കൂടിയും
പരിഹരിച്ച കാണാംപ്രകാശാണ്.

ANNEXURE 3



GOVERNMENT OF INDIA

MINISTRY OF COMMERCE & INDUSTRY

PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION(PESO)

(Formerly Department of Explosives)

Kendriya Bhawan, Block C-2, 3rd Floor

CSEZ PO Kukkanad Dist. Ernakulam Ernakulam 682037

Tele: 2427286 Fax: 2427276

Email: dyccerernakulam@explosives.gov.in

No E/SC/KL/22/867(E40147)

Dated : 28/01/2015

To,
 Shri T Mathew Abraham, Prop. Southern Rock & Aggregate Mining Company,
 Pankulam P.O. (Via) Cheruthuruthy, Taluk -Thalappilly
 Dist. THRISSUR, State. Kerala, Pincode-679531

Subject: Possession for Use of Explosives from magazine at Survey No(s):1034, Village/Town, Pankulam, Thalappilly
 taluk, Distt. THRISSUR, State Kerala Licence No.: E/SC/KL/22/867(E40147) granted in Form I.E-3 of Explosives
 Rules, 2008 - Renewal regarding

Sirs,

Reference to your letter No.: nil dated: 22/01/2015, the subject licence duly renewed upto 31/3/2020 and issued in Form I.E-3 of Explosives Rules, 2008 is forwarded herewith.

Conditions:

1)Valid authorised quarry permit/Lease in the name of the licensee for blasting operations at Sy.No.1027 Pt., 1028 & 1030 Pt. of Pankulam Village, Thrissur and local state government authorities approval as applicable renewed from time to time shall be in possession. For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2020.

- Application in Form RE-1 duly filled in and signed.
- License 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.
- Original licence with approved plan.
- In this connection, please also refer to Rule 112 of Explosives Rules, 2008.

- Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office (Not applicable for fireworks store house)
- Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter.(Not applicable for fireworks store house)
- All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act.

An amount of Rs. 1680/-balance is in your credit, which may be utilized for future transaction by quoting this reference.

Enclosures :

Yours faithfully,

M O Sasi
 Deputy Chief Controller of Explosives
 C. S. I. R., Kollam
 D. C. C. S., Ernakulam

Copy Forwarded to:

1. District Magistrate, THRISSUR (Kerala) for information.

Deputy Chief Controller of Explosives
 Ernakulam

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

28-01-2015

EXPLOSIVE LICENSE COPY

Page 1 of 1

Form DE-2

(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the license)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/KL/22/867(E40147) in form I.E-3 granted to Shri T. Mathew Abraham, Prop. Southern Rock & Aggregate Mining Company, Painkulam P.O. (Via.) Cheruthuruthy, Taluk -Talappilly, Kerala-.

Type of Structure(s)	Safety distances meters	
Inside Safety Distances(ISD)	M	U/M
1 Room or Workshop used in Connection with the Magazine	13	19
2 Any other Explosives Magazine or store House or Factory of the Applicant		
3 Magazine Office		
Middle Safety Distances(MSD)		
4 Magazine Keeper's or Chowkidar's Dwelling house		
5 Railway including Minerals and Private Railways		
6 Canal (in active use) or other navigable water		
7 Dock or Pier or Jetty		
8 Public Highway or Public Road	40	
9 Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory		
10 River Embankment or Sea Embankment or Public Well		
11 Reservoir or Bounded tank/rope way		
12 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 : 19/03/2007

For Joint Chief Controller of Explosives

3.4.10.11., வட்டாரம்

D. C. C. S. Panekulam

Amendments :

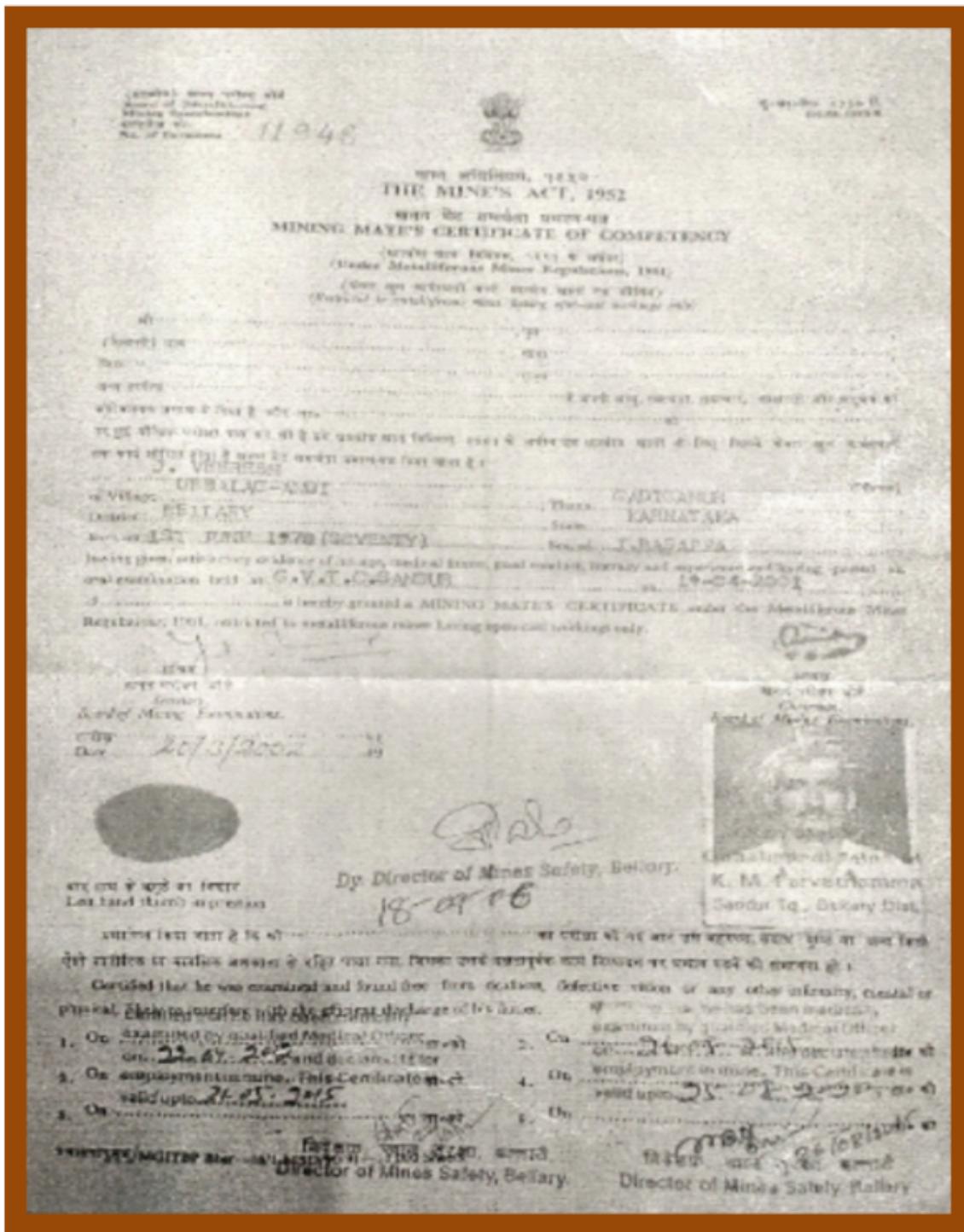
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 19/07/2011
- Amendment in Drawings/Facilities/Premises dated : 05/02/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 05/02/2013

EXPLOSIVE LICENSE COPY(CONTD.)

ANNEXURE 4

D&O LICENCE

ANNEXURE 5



MINING MATE'S CERTIFICATE

ANNEXURE 6



23748 • J. Neurosci., November 18, 2009 • 29(46):23743–23748

THE MINES ACT 1952
MANAGER'S SECOND CLASS CERTIFICATE OF COMPLIENCY
TO MANAGE A METALLIFEROUS MINE

फ्रिन्स आवाहन. टी

प्रियको जन्म तिथि ०९. ४०. १९७८ है, विविध १० के अवसर अनुयोदित विनम्र अधिकारी की संभावना विवाह करने वाले वर्ष २०१० विविह मनुष्यको लापता पर एतद्विवाह केवल विवृत समिति पूर्व धारावाहिक व्यावर्क प्रबन्ध है इतीहाय शेषी ५२८ क संधारना प्रभाग-पत्र प्रदान किया जाता है। यह प्रभाग-पत्र ३०.०८.२००२ से प्रभावी लागता जाएगा।

Prince Duncan. 9

born on 09 the October, 1978 possessing a Degree in Mining Engineering approved under Regulation 16 and on completion of the prescribed experience is hereby granted MANAGER'S SECOND CLASS CERTIFICATE OF COMPETENCY to manage a metalliferous mine having opencast working only. This Certificate is effective from 30. 08. 2002



सुदैव

ମୁଦ୍ରଣ ବିଭାଗ ମୁଖ୍ୟ

Members of the Board of
Mining Examinations.

Signed and Sealed
Date : 19

09 SEP 2003

0 5 344 80

—

Henry Rowan

Brill

Blasius

२८४८

मनन पाठ्या बोर्ड
man of the Board of
Examinations

MANAGER'S SECOND CLASS CERTIFICATE OF COMPETENCY

ANNEXURE 7

PANCHAYAT LICENSE

ANNEXURE 8



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/2370/2021
M/s Southern Rock & Aggregate Mining Co Painkulam Post Cheruthuruthy, Thrissur	Date of issue:	29/03/2021
	Date of monitoring	22/03/2021 10.00 Hrs to 23/03/2021 10.00 Hrs
	Date of sample received:	24/03/2021
	Date of analysis	24/03/2021
	Monitoring Location	Quarry Owned by M/s Southern Rock & Aggregate Mining .Co Sy.Nos.: 1019/3,1019/4,1019/5,1019/6,1019/7 1021/6,1021/8,1021/9,1027P,1028P,1029P,1030P Village: Painkulam Taluk: Thalapilly District:Thrissur, Kerala.
	Sample description	Ambient air – East Side
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	IS 5182 Part 23 2006 RA 2012	49.5 $\mu\text{g}/\text{m}^3$	100 $\mu\text{g}/\text{m}^3$
02	Particulate Matter (PM _{2.5})	CPCB	22.3 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$
03	Sulphur dioxide	IS 5182 Part 2 2001 RA 2017	4.8 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	2.7 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory

For and on behalf of
POLUCHEM LABORATORIES (P) LTD.

AUTHORIZED SIGNATORY

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.

LAB REPORTS



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/RT/SD/2371/2021	
	Date of issue:	29/03/2021	
	Date of monitoring	22/03/2021 - 23/03/2021	
	Monitoring Location	Quarry Owned by M/s Southern Rock & Aggregate Mining .Co Sy.Nos.: 1019/3,1019/4,1019/5,1019/6,1019/7 1021/6,1021/8,1021/9,1027P,1028P,1029P,1030P Village: Painkulam Taluk: Thalapilly District:Thrissur, Kerala	
	Sample Description	Ambient Sound Level –East Side	
HOURLY INTERVAL	RESULT	HOURLY INTERVAL	RESULT
06.00 AM-07.00 AM	49.5 dB (A)	11.00 PM-12.00AM	34.2 dB (A)
07.00 AM- 08.00 AM	46.2 dB (A)	12.00 AM-01.00 AM	35.1 dB (A)
08.00 AM- 09.00 AM	47.4 dB (A)	01.00 AM- 02.00 AM	33.1 dB (A)
09.00 AM -10.00 AM	48.5 dB (A)	02.00 AM-03.00 AM	34.7 dB (A)
10.00 AM-11.00 AM	50.1 dB (A)	03.00 AM-04.00 AM	33.5 dB (A)
11.00 AM-12.00 PM	52.6 dB (A)	04.00 AM -05.00 AM	34.9 dB (A)
12.00 PM-01.00 PM	50.2 dB (A)	05.00 AM-06.00AM	33.6 dB (A)
01.00 PM-02.00 PM	51.4 dB (A)		
02.00 PM-03.00 PM	50.6 dB (A)		
03.00 PM-04.00 PM	49.3 dB (A)		
04.00 PM-05.00 PM	45.2 dB (A)		
05.00 PM-06.00 PM	39.5 (A)		
06.00 PM-07.00 PM	38.4 dB (A)		
07.00 PM-08.00 PM	36.2 dB (A)		
08.00 PM-09.00 PM	37.5 dB (A)		
09.00 PM-10.00 PM	36.4 dB (A)	LDay	50.1 dB (A)
10.00 PM-11.00 PM	35.3 dB (A)	LNight	33.2 dB (A)

Limits: Industrial Area Day Time-75dB(A),Night Time- 70dB(A),Commercial area Day Time -65 dB(A),Night Time 55dB(A), Residential area Day Time -55 dB(A),Night Time -45dB(A),Silence zone day time-50dB(A),Night time-40dB(A)
Day Time from 06.00 am to 10.00 pm & Night Time from 10.00 pm to 06.00 am

*End of the Report *

For Poluchem Laboratories (P) Ltd.


Authorized Signatory

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.

LAB REPORTS (CONTD.)



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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ACCREDITED BY KSPCB AS 'A' GRADE LABORATORY
TEST REPORT

Ref.No. PL/RT/OW/2372/2021
Name & address of customer

Page 01 of 01

Date of Issue: 29/03/2021
: Quarry Owned by M/s Southern Rock & Aggregate Mining Co

Painkulam Post, Cheruthuruthy, Thrissur

Sy.Nos.: 1019/3, 1019/4, 1019/5, 1019/6, 1019/7

1021/6, 1021/8, 1021/9, 1027P, 1028P, 1029P, 1030P

Village: Painkulam

Taluk: Thalapilly

District: Thrissur, Kerala.

: Poluchem Laboratory Sample Collector

: Drinking Water

: Borewell Water- OutSide

: 24/03/2021

: 24/03/2021

: 26/03/2021

Sample drawn by

Sample description

Location of sampling

Date of sample collected

Date of analysis started

Date of completion of analysis

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.25	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	99 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	21.3 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	17.5 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	25.3 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	9.25 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	4.1 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.26 mg/l	1 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	10.1 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 – 2008 RA 2013	BDL	1.0 mg/l
Zinc as Zn	IS 3025 (P) 49 – 1994 RA2014	BDL	5 mg/l
Manganese as Mn	IS 3025(P) 59 – 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41 – 1992 RA2014	BDL	0.003 mg/l
Lead as Pb	IS 3025(P) 47 – 1994 RA2014	BDL	0.01 mg/l
Coliforms(MPN/100ml)	IS 1622: 1981 RA 2009	Absent	Absent
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.


Authorized signature
SREEJA
QUALITY MANAGER

POLUCHEM LABORATORIES (P) LTD.

* End of the report*

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

LAB REPORTS (CONTD.)



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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TEST REPORT

Ref.No. PL/RT/OW/2373/2021
Name & address of customer

Date of Issue: 29/03/2021

Page 01 of 01

: Quarry Owned by M/s Southern Rock & Aggregate Mining .Co

Painkulam Post, Cheruthurthy , Thrissur

Sy.Nos.: 1019/3,1019/4,1019/5,1019/6,1019/7

1021/6,1021/8,1021/9,1027P,1028P,1029P,1030P

Village: Painkulam

Taluk: Thalapilly

District:Thrissur, Kerala.

: Poluchem Laboratory Sample Collector

: Drinking Water

: Openwell Water- OutSide

: 24/03/2021

: 24/03/2021

: 26/03/2021

Sample drawn by

Sample description

Location of sampling

Date of sample collected

Date of analysis started

Date of completion of analysis

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	5 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.56	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	110 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	26.2 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	19.3 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	26.1 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	10.9 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	6.3 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.30 mg/l	1 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	12.5 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	5 mg/l
Manganese as Mn	IS 3025(P) 59 – 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41 – 1992 RA2014	BDL	0.003 mg/l
Lead as Pb	IS 3025(P) 47 – 1994 RA2014	BDL	0.01 mg/l
Coliforms(MPN/100ml)	IS 1622: 1981 RA 2009	90	Absent
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

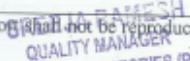
Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.


Authorized signatory

* End of the report*

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


QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.

LAB REPORTS (CONTD.)



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS 'A' GRADE LABORATORY

TEST REPORT

Client Name & Address	Certificate No:	PL/RT/SO/2374/2021
	Date of issue:	29/03/2021
	Date of monitoring	22/03/2021
M/s Southern Rock & Aggregate Mining Co Painkulam Post Cheruthuruthy, Thrissur	Monitoring Location	Quarry Owned by M/s Southern Rock & Aggregate Mining Co Sy.Nos.: 1019/3,1019/4,1019/5,1019/6,1019/7 1021/6,1021/8,1021/9,1027P,1028P,1029P,1030P Village: Painkulam Taluk: Thalapilly District: Thrissur, Kerala
	Sample Description	Soil
Parameter	Test Method	Results
pH	IS 2720(Part25)-1973	6.51
Electrical Conductivity	IS 14767:2000RA2016	98 μ S/cm
Potassium as K	EPA 3050 B	67 mg/kg
Phosphorus as P	IS 10158 :1982 RA 2014	49 mg/kg
Nitrogen as N	IS 14684: 1999 RA 2014	99 mg/kg
Organic Carbon	IS2720(Part 22)-1972	0.56 %
Calcium	EPA 3050 B	55 mg/kg
Magnesium	EPA 3050 B	34 mg/kg
Chloride	UEPA9212	197 mg/kg
Sulphate	IS 2720 Part27:1977	98 mg/kg

For Poluchem Laboratories (P) Ltd.

[Signature]
Authorized Signatory.

End of the Report

JAMESH

QUALITY MANAGER

POLUCHEM LABORATORIES (P) LTD.

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

LAB REPORTS (CONTD.)

ANNEXURE 9

Duplicate: 1

575/2015

भारतीय गैर न्यायिक

एक सौ रुपये **Rs. 100**

The original document has levied stamp duty Rs. 764552/- (Rs Seven lakh sixty four thousand five hundred and fifty two only)

५. 100 **ONE HUNDRED RUPEES**

27th day of March 2015 Sub Registrar

6. Sathishkumar

भारत INDIA
INDIA NON JUDICIAL

केरल केरल KERALA

AM 595984

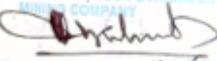
FORM H
(See rule 43)

QUARRYING LEASE

This deed of lease made on this the 19th March 2015 between the Governor of Kerala (hereinafter referred to as the 'State Government' which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and Shri. T. Mathew Abraham, Proprietor, M/s. Southern Rock & Aggregate Mining Company, Vallamkulam P.O, Thiruvalla, Pathanamthitta District, Pin - 689541 aged 67 years son of K.K. Mathew resident of Theeskummoottil House in the Eraviperoor Village of Thiruvalla Taluk of Pathanamthitta District (hereinafter called the 'lessee/lessee' which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and lessee's/Lessee's covenants, hereinafter reserved and contained the State Government hereby give on lease to Shri. T. Mathew Abraham Proprietor, M/s. Southern Rock & Aggregate Mining Company, Vallamkulam P.O, Thiruvalla, Pathanamthitta District, Pin - 689541 the lessee/lessee the land measuring **7.8000 hectares** described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of **12 (Twelve) years** commencing from the 19/3/2015 and ending on the 18/3/2027 for the purposes of extracting minor mineral/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing.

For SOUTHERN ROCK & AGGREGATE
MINING COMPANY



575/21 VALUE Rs. 100

T. Mathew Abraham
Southern Rock Aggregate &
Mining Company Vallamkulam
Thiruvalla

K. K. SANEEVAN
GEOLOGIST
DEPT. OF MINING AND GEOLOGY
DISTRICT OFFICE, THRISUR

C. I. VARGHESE
VENDOR No: 31
THRISUR

12 MAR 2015

12 MAR 2015

9 MAR 2015

QUARRY LEASE

ANNEXURE 10

Acknowledgment No. : 00365 

ACKNOWLEDGMENT FOR CONTRIBUTION TO C M D R F KERALA

Received with thanks from Mr. Prince Abraham, Southern Rock And Aggregate Mining, Cheruthuruthy Post, Thrissur 679 531, Mob: 9995407570. bearing Cheque No: 002842 dated: 15-09-2018 of Federal Bank, Pattambi IFSC Code: FDRL 0001525 for an amount of **Rs. 300000/-** (Three Lakh Rupees only).

Final receipt can be generated from the C M D R F portal on realization of Cheque / Demand Draft

Place : Thrissur 
Date : 26/10/2018

Name : *[Signature]*
Designation : *LegisP*
as (K)

CMDRF DONATION RECEIPT

SOUTHERN ROCK & AGGREGATE MINING COMPANY
Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531

PAYMENT VOUCHER

Voucher No : *[Signature]* Date : *19/10/18*

Pay to *Donation*

Particulars of Payment	Rs.	Ps.
<i>Being Donation to Kadakkatty</i>		
<i>church</i>	<i>10,000</i>	
<i>Rupees.</i>	<i>10,000</i>	

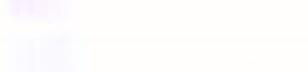
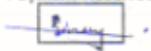
Prepared by *[Signature]* Passed by *[Signature]* Payment Received *[Signature]*

CER ACTIVITY RECEIPTS

SOUTHERN ROCK & AGGREGATE MINING COMPANY										
Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531										
PAYMENT VOUCHER										
Voucher No :	Date : 21/12/18									
Pay to.....	Donation									
<table border="1"> <thead> <tr> <th>Particulars of Payment</th> <th>Rs.</th> <th>Ps.</th> </tr> </thead> <tbody> <tr> <td>Being Donation to Cancer patient C/o Meesha member. Valid till Nagab</td> <td>4000</td> <td></td> </tr> <tr> <td>Rupees.....</td> <td>4000</td> <td></td> </tr> </tbody> </table>		Particulars of Payment	Rs.	Ps.	Being Donation to Cancer patient C/o Meesha member. Valid till Nagab	4000		Rupees.....	4000	
Particulars of Payment	Rs.	Ps.								
Being Donation to Cancer patient C/o Meesha member. Valid till Nagab	4000									
Rupees.....	4000									
Prepared by	Passed by									
Payment Received <input type="checkbox"/>										

SOUTHERN ROCK & AGGREGATE MINING COMPANY										
Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531										
PAYMENT VOUCHER										
Voucher No :	Date : 21/12/19									
Pay to.....	Donation									
<table border="1"> <thead> <tr> <th>Particulars of Payment</th> <th>Rs.</th> <th>Ps.</th> </tr> </thead> <tbody> <tr> <td>Being paid for Treatment for Blood cancer Aya V8/10 Sabesh mob no: 8289918965</td> <td>7500</td> <td></td> </tr> <tr> <td>Rupees.....</td> <td>7500</td> <td></td> </tr> </tbody> </table>		Particulars of Payment	Rs.	Ps.	Being paid for Treatment for Blood cancer Aya V8/10 Sabesh mob no: 8289918965	7500		Rupees.....	7500	
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Being paid for Treatment for Blood cancer Aya V8/10 Sabesh mob no: 8289918965	7500									
Rupees.....	7500									
Prepared by <i>John</i>	Passed by <i>Smith</i>									
Payment Received <input type="checkbox"/>										

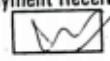
CER ACTIVITY RECEIPTS (CONTD.)

SOUTHERN ROCK & AGGREGATE MINING COMPANY  Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531													
PAYMENT VOUCHER													
Voucher No.:	Date: <u>16/2/19</u>												
Pay to <u>Donation</u>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Particulars of Payment</th> <th style="text-align: center; padding: 2px;">Rs.</th> <th style="text-align: center; padding: 2px;">Ps.</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;"><u>Being paid to Subi KS /W/O</u></td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"><u>10,000</u></td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"></td> </tr> <tr> <td style="text-align: left; padding: 2px;"><u>Binay hospital</u></td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"></td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"></td> </tr> <tr> <td style="text-align: left; padding: 2px;">Rupees.....</td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"><u>10,000</u></td> <td style="text-align: center; padding: 2px; vertical-align: bottom;"></td> </tr> </tbody> </table>		Particulars of Payment	Rs.	Ps.	<u>Being paid to Subi KS /W/O</u>	<u>10,000</u>		<u>Binay hospital</u>			Rupees.....	<u>10,000</u>	
Particulars of Payment	Rs.	Ps.											
<u>Being paid to Subi KS /W/O</u>	<u>10,000</u>												
<u>Binay hospital</u>													
Rupees.....	<u>10,000</u>												
Prepared by 	Passed by 												
Payment Received 													

CER ACTIVITY RECEIPTS (CONTD.)

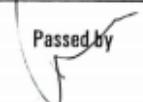


PICTURES FROM RELIEF ACTIVITY

SOUTHERN ROCK & AGGREGATE MINING COMPANY										
Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531										
 Voucher No: <i>6</i>	PAYMENT VOUCHER									
Date: <i>8/9/20</i>										
Pay to: <i>Donation</i>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Particulars of Payment</th> <th style="text-align: center;">Rs.</th> <th style="text-align: center;">Ps.</th> </tr> </thead> <tbody> <tr> <td><i>Being Donation to Panjal Village office - medical item</i></td> <td style="text-align: center;"><i>4235</i></td> <td style="text-align: center;"></td> </tr> <tr> <td><i>Rupees.....</i></td> <td style="text-align: center;"><i>4235</i></td> <td style="text-align: center;"></td> </tr> </tbody> </table>		Particulars of Payment	Rs.	Ps.	<i>Being Donation to Panjal Village office - medical item</i>	<i>4235</i>		<i>Rupees.....</i>	<i>4235</i>	
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<i>Rupees.....</i>	<i>4235</i>									
<i>Prepared by</i> 	<i>Passed by</i> 									
<i>Payment Received</i> 										

YES PHARMA																																																																																																									
4/80W, NAMBRATH TOWERS, OPP VALLATHOL MUSEUM CHERUTHURUTHY PO, TRICHUR DT																																																																																																									
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SOUTHERN ROCK & AGGREGATE MINING COMPANY CHERUTHURUTHY DL No GSTIN 32ACUPT1245L1Z5 Phone 04884 261563																																																																																																									
Page No: 1																																																																																																									
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DONATION RECEIPT

	JEEVADHARA CHARITABLE TRUST OF KERALA Reg. No. CA/58/2009 :: Gandhi Junction, Alathur, Palakkad Dt. Phone : 04922-223599. www.jeevadhcharacharitabletrust.org		
DONATION RECEIPT No. 068		Date : <u>31/10/2020</u>	
Received with thanks from Sri./Smt./Ms. <u>Southern Rock</u>			
the sum of Rupees <u>Three thousand only</u> - being Donation. ₹ 3000/-			
<small> HDFC Bank, Alathur Br. SB A/c. No. 15271450000046 IFSC Code : HDFC0001527 Dhanlaxmi Bank, Alathur Br. SB A/c. No. 006100100032042 IFSC Code : DLXB0000061 Donations to Jeevadhara Charitable Trust of Kerala are exempted from Income Tax under section - 80 G (5) (vi) of the income tax act 1961. No. CIT-TCR/TECH/80G-12/2013-14/2528 PAN CARD No. AABTJ4274G </small>			
<small> <i>Chairman</i> <i>President</i> <i>Secretary</i> </small>			
SOUTHERN ROCK & AGGREGATE MINING COMPANY  Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531			
PAYMENT VOUCHER			
Voucher No. :		<u>Date : 30/10/20</u>	
Pay to <u>Jeevadhara Charitable Trust of Kerala</u>			
Particulars of Payment		Rs. 3000	Ps. -
<u>For Donation made to</u> <u>Jeevadhara on 30/10/20</u>		3000	-
<u>Rupees.....</u>		3000	
Prepared by 		Passed by 	Payment Received 

DONATION RECEIPT

	<p>SOUTHERN ROCK & AGGREGATE MINING COMPANY Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531</p> <p>PAYMENT VOUCHER</p> <p>Voucher No: _____ Date: 11/11/20</p> <p>Pay to: <u>Donation</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Particulars of Payment</th> <th style="width: 15%;">Rs.</th> <th style="width: 15%;">Ps.</th> </tr> </thead> <tbody> <tr> <td>Being Paid For Donation to Panchayat Gramanayana Sangh</td> <td>5000</td> <td></td> </tr> <tr> <td>Rupees.....</td> <td>5000</td> <td></td> </tr> <tr> <td>Prepared by _____</td> <td colspan="2" style="text-align: center;">Passed by _____</td> </tr> <tr> <td></td> <td colspan="2" style="text-align: center;">Payment Received _____</td> </tr> </tbody> </table>	Particulars of Payment	Rs.	Ps.	Being Paid For Donation to Panchayat Gramanayana Sangh	5000		Rupees.....	5000		Prepared by _____	Passed by _____			Payment Received _____	
Particulars of Payment	Rs.	Ps.														
Being Paid For Donation to Panchayat Gramanayana Sangh	5000															
Rupees.....	5000															
Prepared by _____	Passed by _____															
	Payment Received _____															

DONATION RECEIPT

SNEHALAYAM CHARITABLE TRUST

Wadakkanchey (Via) Mundathikode P.O
Thrissur Dt, Kerala-680 601
Income Tax Permanent A/c No: AAJTS 3228B
Phone: 95 4885 285497, Mob: 9846042092

No 2019

Date: 22/11/21

RECEIPTReceived with thanks from Southern Rocksa sum of Rupees Four thousand and Four hundred

by cash/Cheque/DD No..... Dated.....

Rs. 4900/-

towards donation

A. R. Aanand
Trustee

SOUTHERN ROCK & AGGREGATE MINING COMPANY

Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531

PAYMENT VOUCHER

Voucher No:

Date: 22/11/21

Pay to Donation

Particulars of Payment	Rs.	Ps.
<u>Bank Donations Paid to Snehalayam Charitable Trust</u>	<u>4900</u>	<u>-</u>
<u>Rupees.....</u>	<u>4900/-</u>	

Prepared by

Passed by

Payment Received

Bank

DONATION RECEIPT

SOUTHERN ROCK & AGGREGATE MINING COMPANY	
Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531	
PAYMENT VOUCHER	
Voucher No :	Date : 21/12/
Pay to.....	<i>Donation</i>
Particulars of Payment	
B. M. 6000/-	Rs. 2000
Rupees.....	2000
Prepared by	Passed by
Payment Received	

മനസ്വാ സോഫ്റ്റ് വാർട്ട് സൊല്ലെറ്റ് <small>തൃശ്ശൂർ, തൃശ്ശൂർ- 680 312</small> <small>Office: Punjiri Tower, Ground Floor, Opposite Bindu Theatre,</small> <small>Sankarayer Road, Westfort, Thrissur-680 011</small> <small>ഫോൺ: 9947790222, 9656158809</small> <small>Reg. TCR/TC/195/2020</small>	
6	Receipt
<small>മാത്രം</small> <u>M/s SOUTHERN Rocks -</u> <small>വരുമാനം</small> <u>Two thousand only</u> <small>കാര്യാലയം</small> <u>കൊച്ചിമേഖല</u> <small>മുമ്പിലെ</small> <u>₹ 2000/-</u>	

DONATION RECEIPT

 KARPAGAM FACULTY OF MEDICAL SCIENCES AND RESEARCH (Approved by Medical Council of India, New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai) OTHAKKALMANDAPAM, COIMBATORE - 641 032. Phone : 0422 - 6464433, 6452888 Fax : 0422 - 2980022, 2980023									
Tuition Fees Receipt									
Name : VISMAYA T V	Receipt No : 20ATUDEC00170 000265								
App Number : 215U	Date : 09-12-2020								
Course : B.Sc - Dialysis Technology									
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<small>* Cheque Subject to realization</small> <div style="text-align: right; margin-top: 10px;">   Cashier </div>									
<p style="text-align: center; margin-top: 20px;"> Education Loan to Vismaya TV (Annu) Dr. Vasudevan. Ex Penalty Period Transaction (H) Payal XV Nitin 84 XV Payal Vasudevan Ph. 9847490763 </p> <p style="text-align: right; margin-top: 20px;"> <i>dt 1/2/2021</i> <u>Account closed</u> SBI </p> <p style="text-align: center; margin-top: 20px;">  </p>									

DONATION RECEIPT

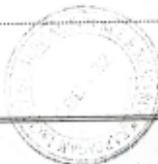
		KARPAGAM FACULTY OF MEDICAL SCIENCES AND RESEARCH (Approved by Medical Council of India, New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai) OTHAKKALMANDAPAM, COIMBATORE - 641 032. Phone : 0422 - 6464433, 6452888 Fax : 0422 - 2980022, 2980023										
Admission Fees Receipt												
Name : VISMAYA T V	Receipt No : 20ADMDEC00125											
App Number : 215U	Date : 09-12-2020											
Course : B.Sc - Dialysis Technology	000264											
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THE FEDERAL BANK LIMITED		Pattambi / Extension Counter Br. CURRENT ACCOUNT Thrissur - 679531 IFSC: FDRL0001525 Valid for 3 months only CURRENT PLUS <small>क्रान्ति बैंक द्वारा दिया गया बैंक</small>	02022021 <small>00 00 00 00 00 00</small>
<small>PAY</small> रुपये रुपये <small>A/c No.</small>	Sri. Manikandan Twenty thousand only. <small>15250200000036</small> <small>Chq. No. 10003411 SG</small>	<small>FOR SOUTHERN ROCK & AGGREGATE MINING COMPANY</small> <small>Authorised Signatory</small> <small>Authorised Signatory</small>	<small>₹ 20,000/-</small> <small>1003411 0000490001 101525 29</small>
<small>PAYABLE AT ALL BRANCHES OF FEDERAL BANK</small>			

SOUTHERN ROCK & AGGREGATE MINING COMPANY <small>Painkulam P.O., Cheruthuruthy, Thrissur, Pin-679 531</small>													
<small>Voucher No.</small> 11	<small>PAYMENT VOUCHER</small>												
<small>Pay to... Donation</small>													
<small>Date: 1/2/2021</small>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Particulars of Payment</th> <th style="text-align: center; padding: 2px;">Rs.</th> <th style="text-align: center; padding: 2px;">Ps.</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">Being Paid To: Donation to Manikandan (Dialysis patient)</td> <td style="text-align: center; padding: 2px;">2000</td> <td style="text-align: center; padding: 2px;"></td> </tr> <tr> <td style="text-align: left; padding: 2px;">(Chq. - 3411)</td> <td style="text-align: center; padding: 2px;">2000</td> <td style="text-align: center; padding: 2px;"></td> </tr> <tr> <td style="text-align: left; padding: 2px;">Rupees.....</td> <td style="text-align: center; padding: 2px;">2000</td> <td style="text-align: center; padding: 2px;"></td> </tr> </tbody> </table>		Particulars of Payment	Rs.	Ps.	Being Paid To: Donation to Manikandan (Dialysis patient)	2000		(Chq. - 3411)	2000		Rupees.....	2000	
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<small>Prepared by</small> <small>AK</small>	<small>Passed by</small> <small>RJ</small>												
<small>Payment Received</small>													

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		KARPAGAM FACULTY OF MEDICAL SCIENCES AND RESEARCH (Approved by Medical Council of India, New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai) OTHAKKALMANDAPAM, COIMBATORE - 641 032. Phone : 0422 - 6464433, 6452888 Fax : 0422 - 2980022, 2980023							
000262									
Miscellaneous Receipt									
Name : VISMAYA T V App Number : 215U Course : B.Sc - Dialysis Technology		Receipt No : 20AOTDEC00146 Date : 09-12-2020							
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