## COMPLIANCE REPORT

TO

## THE CONDITIONS

OF

## **ENVIRONMENTAL CLEARANCE ORDER**

NO: 145/SEIAA/EC4/2746/2013

DT. 04-01-2016

 $\mathbf{BY}$ 

## STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

## PROPOSED QUARRY PROJECT

AT

SURVEY NOS. 15/7, 15/15, 16/5, 16/2, 20/1, 19/1, 15/9 PT, 21/5, 21/6 PT, 16/4-1, AND 16/4 THOTTAPUZHASSERY PANCHAYAT, THIRUVALLA TALUK, PATHANAMTHITTA DISTRICT, KERALA

 $\mathbf{BY}$ 

PANACHAYIL INDUSTRIES, WEST OTHERA PO, THIRUVALLA,
PATHANAMTHITTA, KERALA

(July - December, 2018)

## INTRODUCTION

M/s Panachayil Industries is a stone quarry located at Survey Nos. 15/7, 15/15, 16/5, 16/2, 20/1, 19/1, 15/9 pt, 21/5, 21/6 pt, 16/4-1, and 16/4, Thottapuzhassery Panchayat, Thiruvalla Taluk, Pathanamthitta District, Kerala. The quarry project was accorded with the Environmental Clearance by state Environmental Impact Assessment Authority on 04-01-2016. Six month compliance reports to the conditions of the Environmental Clearance are to be submitted as part of compliance. The compliance report to the specific conditions and general conditions of the Environmental Clearance for the period of July- December, 2018 (Sixth Report) is being submitted.

## PART A - SPECIFIC CONDITIONS

## Condition 1

On the closure of mine 10% of the mined area should be formed into a water body by harvesting rain water.

## √ Compliance

Ten percentage of the mined out area will be maintained as water body through harvesting rain water after the closure of the mine.

#### Condition 2

To the extent possible local biodiversity management Committee should be involved in the environmental management/restoration activities.

## √ Compliance

## Would be complied

## PART B - GENERAL CONDITIONS

## Condition 1

Rain water harvesting capacity should be installed as per the prevailing provisions of KMBR/KPBR.

## ✓ Compliance

In connection with the present quarry project, rainwater harvesting systems has been maintaining. It consists of 3 excavated pit (Pit 1, Pit 2 and Pit 3) each having the capacity of 640000, 480000 and 720000 liters respectively and one harvesting tanks constructed with stone masonry wall having the capacity of 160000 liter. A Concrete roof water rain water harvesting system having the capacity of 25000L was also constructed within the project site. Details of the rainwater harvesting system are as follows.

Sl. No.	Туре	Length (m)	Width (m)	Height (m)	Capacity (L)
1	Excavated Pit 1	20	8	4	640000
2	Excavated Pit 2	16	6	5	480000
3	Excavated Pit 3	24	10	3	720000
4	Concrete Tank	8	5	4	160000

## Photograph of the rainwater harvesting system as enclosed as Annexure A.

## > 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 has formed with Mr. Aby Mathew (Managing Partner of the Company) as head of the monitoring cell and made functional. Meeting of the monitoring cell has been arranging periodically and discus the status of the compliance of the specific and general conditions stated in the Environmental clearance order. The details of the monitoring cell members are given below.

S1. No.	Post					Name	
1	Head	of	the	monitoring	cell	Mr. Aby Mathew	
	(Manag	ging I	Partner	of the Compar	ny)		

2	Head in charge (Environment)	Mr. Girish Menon		
2	Senior Environmental Officer	Dr. Rinoy Varghese		
3	Environmental Officer	Mr. Navin Xavier		
4	Name of the environmental officers in charge at Site	Mr. P. Rajeev & Mr. Girish G.R		
5	Name of the officer of Environment, Health and safety at Site	Mr. Suneesh C.S		
6	Name of the Asst. officer of Environment, Health and safety at Site	Mr. Roy K.P		
7	Name of the environmental consultant	M/s Environmental Engineers & Consultants Pvt. Ltd		
8	Address of Environmental laboratory	M/s Poluchem Laboratory Pvt. Ltd.		

## > 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

We have planted the area with less vegetation with tree saplings and a nursery is maintaining for further plantations. Photographs showing the same are provided at Annexure B. Details of the tree species planted as follows.

Sl. No.	Scientific Name	Common Name	Family
1	Syzygium cumini (L.) Skeels	Black Plum	Myrtaceae
2	Cassia fistula L.	Indian Laburnum/ Kanikkonna	Fabaceae
3	Polyalthia longifolia (Sonn.) Thwaites	Arnanamaram	Annonaceae
4	Acacia mangium Wild	Mangium	Leguminosae
5	Mangifera indica L.	Mango tree/ Mavu	Anacardiaceae

## > Condition 4

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

## √ Compliance

Regarding the present project, solar energy device and biogas plant has installed. Solar light systems has erected in mines and magazine area. Biogas plant is associates with canteen and is using for kitchen purposes. Photograph showing the same has enclosed as Annexure C.

## > Condition 5)

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

## √ Compliance

Internal and Approach road systems has been watering periodically by sprinkler system installed in tipper lorry. Crushing units has also fitted with Sprinkling System to suppress the dust generating during Crushing & Screening operation. Photograph showing the same is enclosed as Annexure D.

## > Condition 6)

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

## √ Compliance

Eco-restoration including the mine closure plan will perform at our own cost. Following the closure of the mine, it is proposes to develop a green belt in the remaining area after reclaimed with stacked dumping and overburden. Ten percent of the excavated pit area will be maintained as water storage area.

## > Condition 7)

At least 10 percent of the 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.

## √ Compliance

Ten percent of the excavated pit area will retain as water storage area subsequent to the closure of the mine. It is proposes to develop a green belt in the remaining area with indigenous plant species after reclaimed with stacked dumping and overburden. Grass and Shrub species with strong root system will

plant in the areas prone to erosion especially at the foot of the hill. List of some of the selected indigenous plants for green belt development is given below.

S1.	Scientific Name	Common Name	Family
No.	Scientific Marine	Common Name	1 aiiiiy
1	Cassia fistula L.	Kanikkonna	Fabaceae
2	Mangifera indica	Mango tree/ Mavu	Anacardiaceae
3	Cinnamomum malabatrum	Idana	Lauraceae
4	Mimusops elengi	Spanish Cherry/ Elanji	Sapotaceae
5	Anacardium occidentale	Kasumavu	Anacardiaceae
6	Phyllanthus emblica	Indian Gooseberry/ Nelli	Phyllanthaceae
7	Terminalia paniculata	Maruth	Combretaceae
8	Garcinia gummi-gutta	Kodampuli	Clusiaceae
9	Syzygium caryophyllatum	Njara	Myrtaceae
10	Syzygium cumini	Black Plum	Myrtaceae

## > Condition 8)

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

## √ Compliance

As part of the Corporate Social Responsibility, the amount proposed by the company has been spending for various social activities.

## > Condition 9)

The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine

## √ Compliance

Barbed metal wire fencing has installed around the mining area with a height of 5 ft to prevent falling of animals/human/belongings/dumping of garbage's etc. Photograph showing the same is enclosed as Annexure E.

## > 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 alarm has installed in the project area and maintaining properly. The blasting time has fixed and is between 1.0pm and 2.0pm. A danger board indicating blasting time has installed in the project site.

## > Condition 11)

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

## √ Compliance

## Noise pollution

## Mitigation measures Implemented

The major noise generating source from the mining activity is working machinery, drilling, blasting and plying of vehicles. The following control measures are undertaken to bring down the noise levels:-

- Proper maintenance of machinery, equipments and improvement of design of machines.
- > Personal protective devices i.e., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- > Maintain a wide green belt of dense foliage between mine areas and residential colonies.
- The mining area is working only during day times.
- Noise quality is checking periodically. The sound levels are monitored through an NABL accredited laboratory during the quarry in operation and the monitored results are well within the permissible limits.

#### Blast vibrations and control measures

Controlled blasting technique 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.
- > Condition 12)

Quarrying activities should be limited to daytime as per KSPCB guidelines.

## √ Compliance

Quarrying operation is carrying out only during day time.

## > Condition 13)

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

## √ Compliance

## Blasting

- \* The controlled blasting is proposed by adopting all the safety measures as per "MMR 1961" and with the permission of DGMS.
- ❖ Blasting is carried out for the fragmentation of the granite within the project area. Multiple blast holes of 1.0 to 1.5 m depth will be drilled with the help of 32mm drill rod, Jack Hammer and air compressor of 100 cm capacity.
- ❖ It is estimated about 250g of explosives per hole is required. About 30-50 holes per blast are proposed. Therefore the requirement of explosive will be about 10kg/ blast.

## Blasting safeguard

- Blasting in the open cast is done only during day time at designated hours.
- Only competent blasters are appointed to handle explosives.
- Explosives are stored in approved and licensed magazine as per explosive Act/Rules.
- Explosives are brought from magazine to blasting site in licensed explosive van under the care of blaster.

- Sufficient warning signals are given before blasting the holes.
- Guards are posted on all roads and paths at least 250 m distance to stop entrance to the danger zone during the blasting hour.
- Controlled blasting is practiced to control vibrations and flying fragments.
- \* Optimum charge is used, while blasting near office complex/infrastructure site.
- ❖ Maximum charge per delay is always being less than 10kg to limit the PPV levels within the DGMS standards of 15 mm/sec.

## > Condition 14)

A licensed person should supervise/control the blasting operations.

## √ Compliance

Person having license is supervising/controlling the blasting operations. Copy of license of the licensed person is enclosed as Annexure F.

## > Condition 15)

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

## √ Compliance

Major part of the access road area to the quarry has tarred and some portions has constructed with concrete bricks. Roads are well maintaining to contain dust emissions that may arise during transportation of materials. The photographs showing the same is given in Annexure G.

## > Condition 16)

Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.

## √ Compliance

The excavated top soil is using for plantations and remaining soil has been storing separately in a prefixed location. The quantity of topsoil and overburden has estimated to be 11,464m<sup>3</sup> and 22,929m<sup>3</sup> respectively. The stored soil is stabilizing by planting grasses and herbs on them. Some portion of the

topsoil is using for the reclamation of abandoned quarry near the project site and some quantity are selling to railway widening projects. Photograph showing the same is enclosed as Annexure H.

## > Condition 17)

Height of the benches should not exceed 5m and width should not be less than 5m.

## √ Compliance

Quarry operation is carrying out in the form of benches. The proposed height and width of the benches are maintaining. The photograph showing the bench type mining is enclosed as Annexure I.

## > Condition 18)

Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.

## √ Compliance

Mats to prevent fly rock during blasting are provided. Various other safety measures are setting down to prevent fly rocks cross the lease area. Blasting during unfavorable weather conditions has avoided. Maintain optimum delay sequence and stem to column ratio to minimize the fly rock distance.

## Condition 19)

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

## √ Compliance

Regarding the present mining project, the exploitation of mineral is from 105-145 m MSL in conceptual phase. Mining depth will not exceed beyond 10m from general ground level.

## ➤ Condition 20)

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

## √ Compliance

Quarrying will not carry out at places having a slope greater than 45°

## Condition 21)

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

## √ Compliance

The crusher unit is encircled by green belt and a hollow brick and metal sheet envelope is also constructed around the crusher unit. The photographs showing the same is given in Annexure J.

## Condition 22)

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

## √ Compliance

Workers are provided with personal protective devices such as earmuffs, ear plugs, helmet etc. at the site. The photographs showing the workers with personal protective devices are enclosed as Annexure K.

## ➤ Condition 23)

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

## √ Compliance

From entire project area, storm water is channelizing in to an abandon excavated pit and stored the storm water in it. During this storage all the Debris/slit in the storm water are sedimented in to the bottom of the pit. Overflow from the storm water collected pit is opened in to Garland drains which entering to the main stream. These garland drains also provided with Check dam model silt trap. The photographs showing the same is given in Annexure L.

## ➤ Condition 24)

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

## √ Compliance

ALL Trucks are covered with tarpaulin sheets after loading to control dust emissions during transportation. Trucks are not overloading and the loads are maintained to the body level. Photographs showing the loaded trucks covered with tarpaulin sheets at the sites are given in Annexure M.

## > Condition 25)

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

## √ Compliance

We have been planting trees 5 times of the loss that has been occurred while clearing the land for the project.

## > Condition 26)

Disposal of spent oil from diesel engines should be as specified under relevant rules/regulations.

## √ Compliance

Disposal of spent oil from diesel engines is carrying out under relevant rules/regulations.

## ➤ Condition 27)

Explosive should be stored in magazines in isolated place specified and approved by the Explosives Department.

## √ Compliance

Explosives are stored in magazines built in an isolated place specified and approved by the Explosives Department.

## ➤ Condition 28)

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

## √ Compliance

Distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures are providing.

## ➤ Condition 29)

200m buffer distance should be maintained from forest boundaries.

## √ Compliance

No forest boundary adjacent to the Project area

## > Condition 30)

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

## √ Compliance

Consent from Kerala State Pollution Control Board under Water and Air Act(s) was obtained before initiating activity. Consent Order from Kerala State Pollution Control Board is attached as Annexure N.

## > Condition 31)

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

## √ Compliance

All statutory approvals required for the quarrying activity is obtained for the project. The details regarding the same along with the copy of the statutory approvals are enclosed as Annexure O1 and O2. Details of statutory approvals are given below.

Sl. No.	Annexure	Statutory approvals
1	01	License to possess: (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7.
2	O2	License from Panchayat

## ➤ 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 safe guard 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.

## √ Compliance

## Would be complied

## > 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 shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters area available with the Department of Environment and climate change, Govt. of Kerala and may also be seen on the website of the authority at <a href="https://www.seiaaKerala.org">www.seiaaKerala.org</a>. The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the office of this authority as confirmation.

## √ Compliance

Regarding the accordance of environmental clearance to the quarrying activity was advertised in two local newspapers and the copy of the same was submitted to SEIAA Kerala. The copies of the advertisements are provided at Annexure P1 & P2. Details of the newspaper advertisements are given below.

S1.	Annexure	Name of the Newspaper and edition	Dated
No.			
1	Pl	The New Indian Express	16/01/2016
2	P2	Mathrubhumy	16/01/2016

## > Condition 36)

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

## √ Compliance

A copy of the environmental clearance letter was submitted to Thottapuzhassery Panchayat office. The acknowledgment received is enclosed as Annexure Q. There is no suggestion/representation received so far from anybody. The environmental clearance order is uploaded in the website of the company and it can be seen in the website www.msand.In

#### Condition 37)

The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hand 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 can simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also the Directorate of Environment and Climate Change, Govt. of Kerala.

## √ Compliance

Sixth compliance report is being submitted to Department of Environment and Climate change, Govt. of Kerala and Regional Office of MoEF, Govt. of India both in hard copy as well as soft copy (CD).

## > Condition 38)

The details of the 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 fond 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 conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman fond was installed. The photographs showing the metallic board is given in Annexure R.

## ➤ 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

An affidavit stating that all the conditions stipulated in the Environmental clearance will be scrupulously followed was submitted to Department of Environment and climate change on 18.01.2016 and the copy of the same is enclosed as Annexure S.

## Condition 40)

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.

## √ Compliance

## We agreed

## **ANNEXURE A**

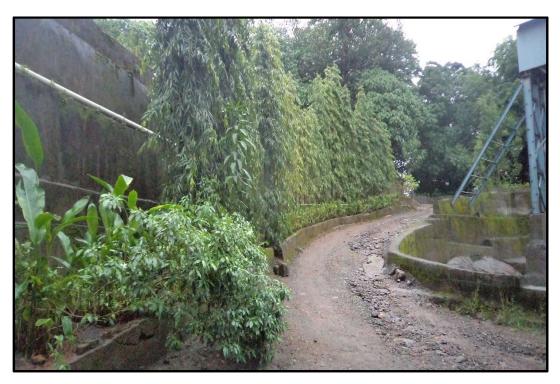




Photograph showing the excavated pit and concrete tank using as rainwater harvesting system

## **ANNEXURE B**





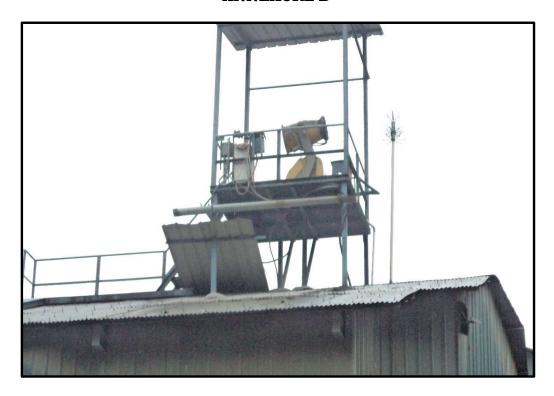
Photograph showing the tree planted along the road sides

## **ANNEXURE C**



Photographs showing solar light installed in connection with the present Project

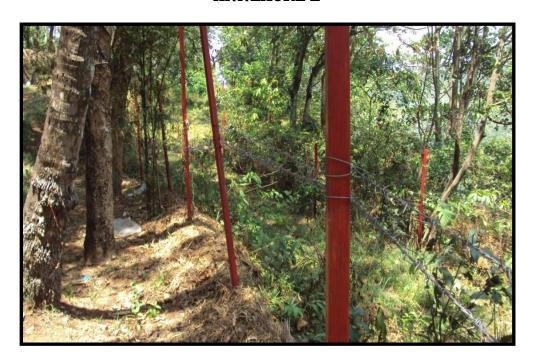
## **ANNEXURE D**





Photographs showing sprinkler system installed in the crusher unit and tipper lorry

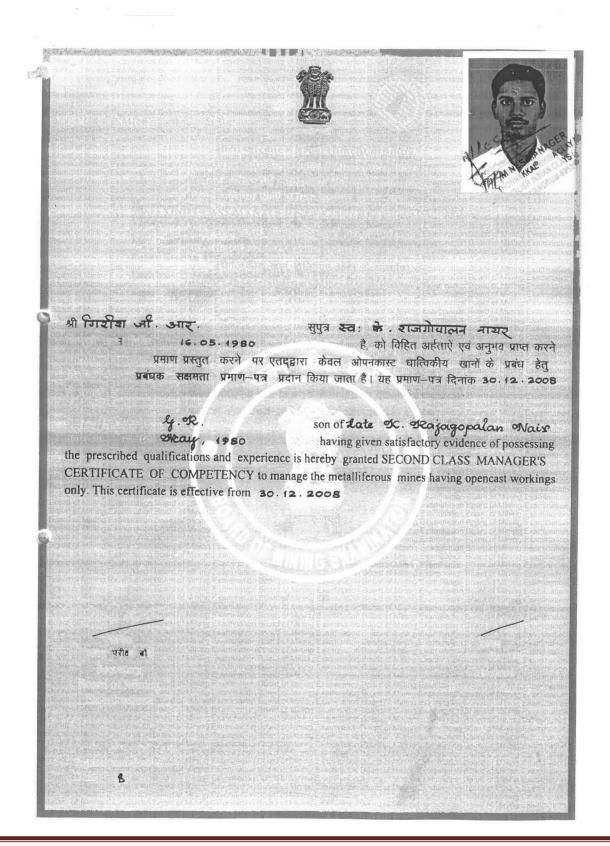
## **ANNEXURE E**



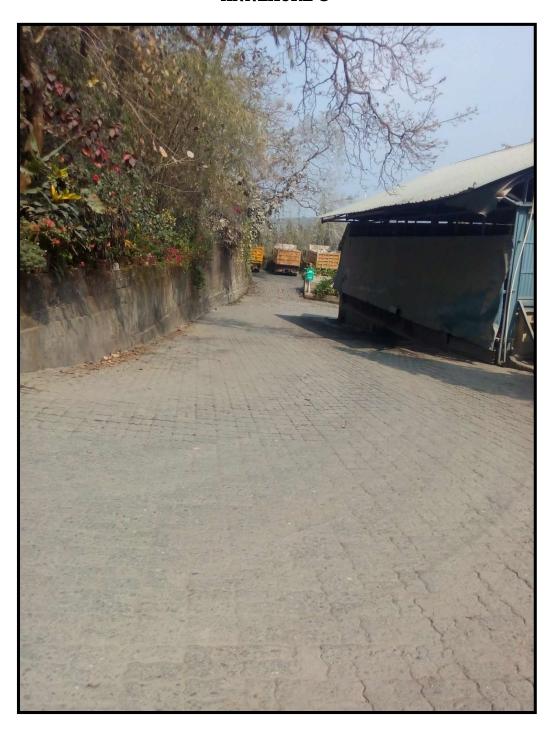


Photograph showing the barbed metal wire fencing erected around the mining area

## ANNEXURE F



## **ANNEXURE G**



Photograph showing access road constructed with concrete bricks

## ANNEXURE H





Photographs showing the top soil storage area

## ANNEXURE I





Photographs showing the bench type mining

## **ANNEXURE J**



Photograph showing crusher unit encircled with green belt and metal sheet enclosure

## ANNEXURE K





Photographs showing the workers with personal protective devices and blasting shelters

## ANNEXURE L





Photographs showing the garland drain within the project area

## **ANNEXURE M**





Photographs showing the trucks covered with tarpaulin sheets after loading

## ANNEXURE N



#### KERALA STATE POLLUTION CONTROL BOARD

FILE NO.: PCB/PTA/ICO/QR/201/2015

Date of issue :09/04/2018

#### INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : QCO/PTA/195/R1/2018

Ref: 1.CONSENT NO:QCO/PTA/195/2015,DATE OF ISSUE:17/07/2015,VALID UP TO:30/06/2018 2.APPLICATION NO:6960452,SUBMITTED ON:26/02/2018

The 'Integrated Consent to Operate' issued as per reference above to M/s PANACHAYIL
INDUSTRIES, KOLABHAGOM P O, THADIYOOR, PATHANAMTHITTA is hereby renewed up to 03/01/2021 and
issued to M/s PANACHAYIL INDUSTRIES, KOLABHAGOM P O, THADIYOOR, PATHANAMTHITTA 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	1.1. Validity	03/01/2021		
2	1.1.a. Month & Year of Renewal	03/10/2021		
3	1.5.Survey number	16/2,16/4-1,16/4 (Area in hectares - 0.7504)		
4	1.12.Annual fee/Fee remitted	Rs.22000/- Rs.123087/- (Rs. 110000 + Rs.13087)		
5	1.13. Capital Investment	75.04 Lakhs		
6 1.16. Machinery Details		Compressor-62HP each 2 Nos, Jack hammer - 5 Nos, Tractor Compressor-2 nos , Breaker-125 Hp -1No, Excavator-135hp-3nos, DG set-180 KVA		
7	Sy.no and Village	16/2,16/4-1,16/4 of Thottapuzhassery Village.		

## II. Stack Details

Stack No.	Source of Emission		Stack Hei	Control	
Resolutions (Co.)	Emission	Rate(Nm3/Hr)	Ground Level(In Meters)	Roof Level(In Meters)	Equipment

Pagel



## KERALA STATE POLLUTION CONTROL BOARD

FILE NO.: PCB/PTA/QR/199/2015

Date of issue :10/04/2018

## INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No: QCO/PTA/193/R1/2018

Ref : 1.CONSENT NO:QCO/PTA/193/2015,DATE OF ISSUE:17/07/2015,VALID UP TO:30/06/2018 2.APPLICATION NO:7032293,SUBMITTED ON:28/02/2018

The 'Integrated Consent to Operate' issued as per reference above to M/s PANACHAYIL INDUSTRIES, KOLABHAGOM P O THADIYOOR, PATHANAMTHITTA is hereby renewed up to 04/02/2019 and issued to M/s PANACHAYIL INDUSTRIES, KOLABHAGOM P O THADIYOOR, PATHANAMTHITTA 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

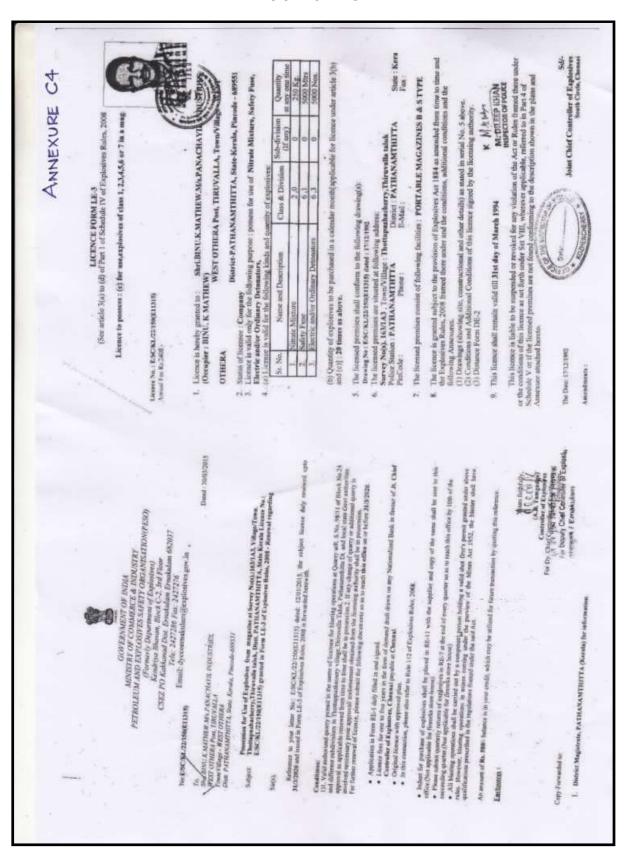
S.No.	Items	Description	
1	1.1. Validity	04.02.2019	
2	1.1.a. Month and year of renewal	NOVEMBER 2018	
3	1.10. Category	Red	
4	1.12 Fee Slab/Fee Remitted	Rs. 31328/ Year Rs.175945/-	
5	1.13. Capital Investment	Rs. 226.55 Lakhs	
6	1.15.Survey no.	15/7,15/9pt,15/15,16/5,21/5,21/6pt (AREA 2.2655 HECTARES)	
7	1.16. Machinery Details	Compressor-62HP each 2 Nos, Jack hammer - 5 Nos, Tractor Compressor-2 nos , Breaker-125 Hp -1No, Excavator-135hp-3nos, DG SET 180 KVA -1 No	

#### II. Stack Details

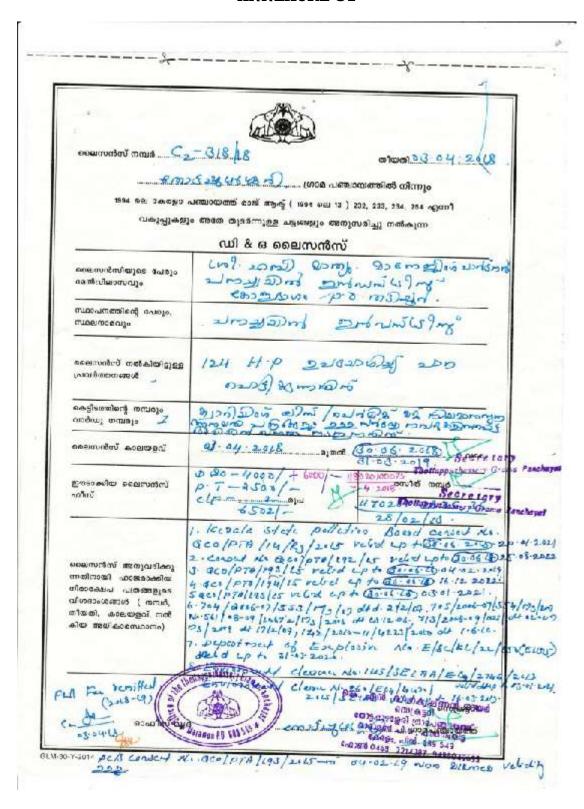
Stack No.	Source of	Emission	Stack Hei	Control	
Feddingster	Emission	Rate(Nm3/Hr)	Ground Level(In Meters)	Roof Level(In Meters)	Equipment

Pagel

## **ANNEXURE 01**



#### **ANNEXURE 02**



# തന്നെയ്സുടമസ്ക്രയ് താണ പറയുന്ന വ്യവസ്ഥകൾ താനുസരികോണ്ടതാകുന്നു.

പരവേയൻ 5 വൻ ആക്ടും അനേ വുടർന്നുള്ള ചട്ടങ്ങളും അവസരിച്ചു പ്രവർത്തിക്കേണ്ടാരകുന്നു.

- > തൊഴിൽ സ്ഥലവും പരിവശങ്ങളും വെടിച്ചായും വൃത്തിയായും സാംപ്രതികരോഗാണുകൾ ഉണ്ടാകാരതവിധത്തിലും പൊതുയ≈നാപ്യവേതാകത്തെ വിധത്തിലും വൃപോരത്തിനു വച്ചിട്ടുളള ക്ഷേണപദാർത്ഥങ്ങൾ ഈച്ച. അണുക്കൾ, പൊടി തു ജനയവയുടെ ശലും ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേസ്മാണ്.
- മാാഴിൽ സ്ഥലവും അതിലുളള സാധനസാമഗ്രീകളും പങ്ങായത്തെയികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്നതറ്റ ഉദ്യോഗന് ഥർക്കോ പരീശോധിക്കുന്നതിന് ലൈസൻസുടമസ്ഥൻ വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് ചാണിക്കേണ്ടതുമാകുന്നു.
- പഞ്ഞായത്തിൽ നിന്നും അന്നുവാദം സിദ്ധിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാവുന്നതല്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുരാകുന്നു.
- ഏട്ടതാരു പവർത്തി ദിവസത്തികർവയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
- േ ആ സ്ഥ അടിന്റെറയോ. പുരതിടത്തിമര്വയോ, എതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുണ എല്ലപൂട്ടനോ, മൂഗങ്ങളുടെ തൂണ്ടുകളോ മറ്റ് പദാർത്ഥമോ ശേഖമിച്ച് സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നിക്കാ ഹെയ്യിക്കേണ്ടതാണ്.
- 7. ്െങ്സ്ൻ്റ്റ്റുകാരൻ എതൊരു കെട്ടിടത്തിരർറയും ചുമരുക്കുടെ അകവരേത്തിരർറ എതൊരു ഭാഗവും അർപറത്ത പുരയീടർതിയുള്ള തരയും അപ്പാതയും അവിടെ മേറിച്ചുവിഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകരോ, മാലിയുമോ ചുറ്റുപ്പിടോ, അസഹ്യമോ, ഉപ്യാവകത്തായ എതെങ്കിലും പ്രാർഷവരോ അവിടെ ലയിക്കുന്നത് തടതത്തകവിധം എപ്പോഴും നന്നായും കേരുപാട് തീർത്തും വയ്പിക്കേത്താണ്.
- േ രാല്യാവ് സൂകാരത് ബൽപ്റഞ്ഞ പൂരയിടത്തിലോ, അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓസുചാലും, അഴുക്കുലലം കളയൂന്ന് പ്രസൂള്ള് ഉപികരണസ്യം എപ്പോഴ്യം നന്നായും കേടുപാടുതിർത്തും വയ്ഡിക്കേണ്ടതാണ്.
- ഇവേതാംഗ് അരത്തിലുള്ള അശ് പരിസരത്തും പ്രവർത്തിലോൾ പാടില്ലാത്തേകാകുന്നു.
   എതോഗ് എസ് നാരതാരു പരിസരത്തും പ്രവർത്തിലുന്നാർ വാടില്ലാത്തെക്കുന്നു.
- ന് ന്യത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൽസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്കാർഗ ത്തിലുള്ള ഒരു ഭാഗത്ത് ഒല്ലെസർസുകാരൻ തന്റെ പേതും തല്ലെസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു

11. അത്താം ആചരിക്കുന്ന കടകളുടെ വൈസർസ് റവ്വചെയ്യുന്നതാണ്.

മൂകളിൽ കാണിപ്പിരിക്കുന്ന വ്യവസ്ഗ്രകളിൽ എതെങ്കിലും അഘിലുന്ന പക്ഷം ഈ ബൈസർസ് ന്റ് ചെയ്യുന്നതാണ്.

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MATTAPPHICHASSE IT HARMA PANCHATAL

#### ANNEXURE P1

THE NEW INDIAN EXPRESS KOCHI SATURDAY 16 JANUARY 2016

The CPM has already termed the move "politically notivated", stating that "it ias become a habit for the UDF to raise the Lavalin case at the time of elections"

Going one step further, CPM state secretary Kodiyeri Balakrishnan has made it ategorically clear that the Nava Kerala March would not discuss Lavalin. The CPM leaders have been tak-

Vijayan was the state secretary, would also be crucial. The CPM is keenly watching the veteran's reaction, at a time when Pinaravi has been projected as the Left's chief ministerial candidate.

Meanwhile, Left observer Appukkuttan Vallikkunnu is of the view that Lavalin would not be a major roadblock before the CPM this corruption-free, government unde

The party has y blueprint for the Kerala, and the tour would take to the people. should remain se then it can marc he said.Karat sa munal element have been stre sourcing inspir

## NOTICE

This is to inform to the General Public that the proposed Quarry project at Survey Nos. 15/7, 15/15, 16/5, 16/2, 20/1, 19/1, 15/9pt, 21/5, 21/6pt, 16/4-1 and 16/4 at Thottapuzhassery Village & Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala being developed by Panachayil Industries is accorded with Environmental Clearance by State Environment Impact assessment Authority, Kerala Vide Order Number 145 / SEIAA / EC4 / 2746 / 2013 dated 04/01/2016 and the copy of the Environmental Clearance is available with the office of Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org

# CPM to Keep off Lavalin Tal

Uppala: The CPM will not discuss the SNC Lavalin corruption case during its 'New Kerala' rally, which started in Manjeshwaram on Friday, said party's state chief Kodiyeri Balakrishnan.

The attempt to revive the Lavalin case is the UDF Government's last ditch effort to escape after foreseeing a certain defeat in the election." he said at the launch of the statewide tour, led by politburo member Pinarayi Vijayan, against whom fingers were pointed in the alleged scam.Kodiyeri said the UDF government's decision to move the High Court seeking to expidite the hearing of the revision petition was Chief Minister Oommen Chandy's conspiracy to divert the people's attention from the theme of Vijayan's rally and stop it from becoming a topic of discussion.

"But we are n bait and we are about it. Let th cide," he said.

The UDF, w the governmen jority of just tw become a burde ple, and joinin the RSS would said the CPM' tary. He said no ministers durir rule was accus

## TENDER NOTICE

(Construction of Open Auditorium)

SYRIAN JACOBITE SOCIAL & EDUCATIONAL SOCIETY. Kuttapuzha, Thiruvalla., Tel. 0469-2600250, 2602990, 2620250.

Syrian Jacobite Social & Educational Society invites bid from reputed firms for the Construction of the proposed Open Auditorium in Thiruvalla about area of 11.500 sq.ft., with eave height of 5 meters, length 42.60 m. width 24.400 meters with top roof of Sandwich Panel in size of 0.40mm thickness Trafford, 25mm Polyurethane middle, 0.40mm Liner bottom. Interested Bidders may obtain further details from Syrian Jacobite Social & Educational Society, Thiruvalla between 10 a.m to 4.30p.m on working days. Last date for submission of bid is 29/01/2016 Sd/- President

## ASSIFIED SE

#### ACCOMMODATION

FURNISHED EXECUTIVE Rooms, unfurnished 1,2,3, BHIK flats near NH Bypass Vyttilla, Kochi. 94471095160484-2302187

ROOMS AVAILABLE at Priya Annex, Monthly rent, North Janatha Road, Mamangalam, Pvtm., Kochi-25. Ph. 9539128497.

DAILY RENT / weekly / monthly 2.3.4.5 BHK A/c ull furnished Guest House Service villa with serkingEmakulam, Edapally, Palarivattom, Sulu Reaftors: 889082459, 9495142269.

FULLY FURNISHED flat Monthly rent, Kochi, Vyt-

WANTED USED CARS spot payment any make

#### THIRUVANANTHAPURAM

ANADIYE GURUVAYURAPPAN INN AC & Non AC clean & hygiene rooms at affordable rate near New Theatre Thampanoor, Trivandrum. Ph: 04712323969, 2331040.

#### ERNAKULAM

ANADIYIL LEELA KRISHNA INN AC & Non AC clean & hygiene rooms at affordable rates near South Riy, Station, Kalathiparambil Cross Road, Frnakulam South, Ptc 2370180, 2373180

#### BUSINESS

BUSINESS & LOAN Assistance Project Reports & Web Hosting Vortex Financial Services : 9400641354

COMPUTER SERVICE





INCOME TAX DEPARTMENT OFFICE OF THE TAX RECOVERY OFFICER, KOCHI-2 Non - Corporate Range-1, Cochin

Ground Floor, Central Revenue Building, I.S. Press Road, Cochin-682018, Phone: 04842795545

## **PUBLIC AUCTION NOTICE**

The immovable property specified below is proposed to be sold in public auction to recover the arrears of income Tax including interest in the case of M/s. NL Properties and Developers, Kochi.

Description of property located at Amballoor Village, Mulanthuruthy The property is near to the proposed electronic park with tar ro

#### **ANNEXURE P2**



## **ANNEXURE Q**



# തോട്ടപ്പുഴശ്ശേരി ഗ്രാമപഞ്ചായത്ത് ആഫീസ്

മാരാമൺ പി.ഒ., പത്തനംതിട്ട ജില്ല -689 549 ഫോൺ : 0468 - 2214387, E-mail :tpsry1@gmail.com

mmid: C5-350/16

തിയതി : 16 /01 /2013

പ്രേക്ഷിതൻ :

സ്വീകർത്താവ് :

ma,

Receipt

വിഷയം :

സൂചന :

Received ropyob Oxcler No 145/3EIAA/EC4/2746/ 2013 dtd 04/01/2016 of member secretary SEIAA Knale being environmental clearance under EIA Natification 2006 for quavy praject at Thottappuxhassery Grama Panchayal by M/3 Panadayit Industries.



Thortappuzhassery Grunia Panchayas

## ANNEXURE R



Photograph showing specific conditions of the environmental clearance order prominently displayed in a metallic board

## ANNEXURE S

