

**COMPLIANCE REPORT
TO
THE CONDITIONS
OF**

ENVIRONMENTAL CLEARANCE ORDER

NO: 34/SEIAA/KL/6089/2012

DT. 14-11-2012

**BY
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
FOR
PROPOSED QUARRY PROJECT**

**AT
SURVEY NOS. 21/6, 21/4, 10/2, 9/1-2, 9/1-3, 20/3, 23/7, 28/10, 23/5,
THOTTAPUZHASSERY PANCHAYAT, THIRUVALLA TALUK,
PATHANAMTHITTA DISTRICT, KERALA**

**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. 21/6, 21/4, 10/2, 9/1-2, 9/1-3, 20/3, 23/7, 28/10, 23/5, Thottapuzhassery Panchayat, Thiruvalla Taluk, Pathanamthitta District, Kerala. The quarry project was accorded with the Environmental Clearance by state Environmental Impact Assessment Authority on 14-12-2012. 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 phase of July- December, 2017 (Tenth compliance report) is being submitted.

PART - A – SPECIFIC CONDITIONS

➤ Condition 1)

Assurance in the form of affidavit should be given to SEIAA Kerala that eco-restoration including the mine closure plan shall be done at the expenses of the project proponent on completion of mining.

✓ Compliance:

The eco-restoration including the mine closure plan will be done at our own expenses. An affidavit stated the same was submitted to SEIAA Kerala on 17/10/2013 and the copy is enclosed as Annexure No.1. After the closure of the mine, ten percent of the mined out area will be retained as water storage area. In the remaining area, it is proposed to develop a green belt with indigenous plant species after reclaimed with stacked dumping and overburden. Grass and shrub species with strong root system will be planted in the foot hills to prevent soil erosion.

➤ Condition 2)

Quantity of overburden and their storage shall be provided to SEIAA Kerala before initiating activities.

✓ Compliance:

The excavated top soil/overburden has stored separately in a prefixed location from the starting of the project and it has stabilized by planting grasses and herbs. The amount of topsoil is estimated to be 11,204m³. Quantity of overburden and their storage facility are previously provided to SEIAA Kerala.

List of plant species used for the stabilization of topsoil and disturbed areas are as follows.

Sl. No	Botanical Name	Common Name	Family	Distribution
1	<i>Axonopus compressus</i> (Sw.) P. Beauv.	Kaalappullu/Carpet Grass	Poaceae	Tropics and subtropics
2	<i>Cymbopogon cintratus</i>	Vetiver/Ramacham	Poaceae	

A portion of the topsoil has used for the reclamation of abandoned quarry near the project site and some amounts has used for railway widening projects. Reclaimed mined out area has used for agriculture purposes. The photographs showing top soil storage area and reclaimed area are provided at Annexure No.2.

➤ **Condition 3)**

Plan clearly showing the internal roads within the project site to be submitted to SEIAA Kerala before initiating activities.

✓ **Compliance:**

There is about 1.5 km of roads having 7.0m width is present within the project area and it has maintained well. Plan showing the internal road system within the project area was submitted to SEIAA. Copy of the submitted surface plan showing the internal roads within the project site is enclosed as Annexure No. 3.

➤ **Condition 4)**

Specific methodology adopted for drilling and blasting and also the geometry of drill holes to be given to SEIAA Kerala before initiating activities.

✓ **Compliance:**

Mining has carried out by excavators in the present project. The mineral has fractured and easily exploited by rock breakers and excavators. The hard strata are excavating after drilling and blasting. The specific methodology adopting for drilling, blasting and the geometry of drill holes is given to SEIAA Kerala and the copy of the same is provided at Annexure No.4.

➤ **Condition 5)**

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

✓ **Compliance:**

A well-structured garland drains are maintaining in the lower slopes of the core area for channelizing the storm water from the entire project area and the photographs of the garland drains is provided at Annexure No.5.

➤ **Condition 6)**

Debris /silt traps to be provided to prevent entry of dust and quarry waste entering the main streams.

✓ **Compliance:**

From the whole project area, storm water is channelizing in to an excavated pit using as storm water collecting pond and storing in it. During this storage, debris/silt is sedimented in to the bottom of the pit. This pit is opening in to garland drain system and the opening is guarded with metallic net trap which will arrest the passage of debris and silt from quarry site to the main streams. Debris and silt from the storm collecting pond are removed and disposed periodically. The photographs of the same are provided at Annexure No.6.

➤ **Condition 7)**

Dust and sound level should be as per the prescribed standards applicable to the area.

✓ **Compliance:**

Dust and sound levels are monitored periodically through NABL recognized laboratory (Polluchem Laboratories (P) LTD, Ernakulum) during the quarry in operation and the monitored results are well within the standards applicable. Average ambient sound level in day and night time is 54.9dB and 35.2dB respectively. Values of Particulate matters PM_{10} and $PM_{2.5}$ are $53.1\mu g/M^3$ and $30.2\mu g/M^3$ correspondingly. Sulphur dioxide and Nitrogen dioxide values in the air are $14.7\mu g/M^3$ and $9.8\mu g/M^3$ respectively. The copy of the ambient air quality analysis report, ambient noise monitoring report and water quality report are provided at Annexure No. 7, 8 and 9 respectively.

➤ **Condition 8)**

The conditions of the environmental clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters.

✓ **Compliance:**

The specific 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 font size of not less than 40 has installed. The photograph of the display board is provided at Annexure No. 10.

PART – B – GENERAL CONDITIONS

➤ **Condition i)**

Rain water harvesting to collect and utilize the entire water falling in the land area should be provided.

✓ **Compliance:**

In the project site, rainwater harvesting systems are provided. It consists of 3 excavated (1, 2 and 3) pit 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. Details of the rainwater harvesting system are as follows.

Sl. No.	Type	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 ii)**

Environment monitoring cell 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 monitoring cell is arranging monthly and discuss the status of the compliance of the specific and general conditions contained in the Environmental clearance order. The details of the monitoring cell members are given below.

Sl. No.	Post	Name
1	Head of the monitoring cell (Managing Partner of the Company)	Mr. Aby Mathew
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 officer in charge at Site	Mr. P. Rajeev
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 iii)**

Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any.

✓ **Compliance:**

Lot of natural vegetation including trees, shrub and herbs present along the sides of tarred road and parking areas. We 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 No. B. Details of the tree species planted as follows.

Sl. No.	Scientific Name	Common Name	Family
1	<i>Syzygium cumini</i>	Black Plum	Myrtaceae
2	<i>Cassia fistula</i>	Indian Laburnum/ Kanikkonna	Fabaceae

3	<i>Polyalthia longifolia (Sonn.)</i>	Arnanamaram	Annonaceae
4	<i>Acacia mangium Wild</i>	Mangium	Leguminosae
5	<i>Mangifera indica L.</i>	Mango tree/ Mavu	Anacardiaceae

➤ **Condition iv)**

The project may incorporate devices for solar energy generation and utilization wherever possible.

✓ **Compliance:**

A biogas plant and solar energy device has installed in the project area. Three solar light systems has installed in mines and magazine area. Biogas plant is associated with canteen and is using for kitchen purposes. Photograph showing the same is encloses as Annexure B1.

➤ **Condition v)**

In the 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 vi)**

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

✓ **Compliance:**

Would be complied

➤ **Condition vii)**

All other statutory clearances shall be obtained, as applicable, by project proponents from the respective competent authorities.

✓ **Compliance**

All other 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 is provided at Annexure C1, C2 & C3.

Sl. No.	Annexure	Name of the statutory approvals
1	C1	License to possess: (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7.
2	C2	Integrated consent to operate issued under Air act, 1981 and Environment act 1986.
3	C3	License from Panchayat

➤ **Condition viii)**

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 ix)**

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 are available with the Department of Environment and climate change, Govt. of Kerala and may also be seen on the website of the authority at www.seiaaKerala.org. The advertisement should be made within 10 days from the date of receipt of the clearance letter and 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 copy of the advertisement is provided at Annexure D1 & D2. Details of the Newspaper advertisements are given below.

Sl. No.	Annexure	Name of the Newspaper and edition	Dated
1	D1	The New Indian Express	24/12/2012
2	D2	Mathrubhumi	23/12/2012

➤ **Condition x)**

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 the Panchayat Office on 10.10.2013. The environmental clearance order is uploaded in the website of the company and it can be seen in the website www.msand.in. Receipt from the Panchayat Office stated that environmental clearance letter was received is encloses as Annexure E.

➤ **Condition xi)**

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:**

Tenth compliance report is being submitted to Directorate of Environment and Climate change, Govt. of Kerala both in hard copy as well as soft copy (CD). It has uploaded in our website and sends the same to respective Regional Office of MoEF, Govt. of India.

➤ **Condition xii)**

The proponent should provide affidavit 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 23.12.2012 and the copy of the same is enclosed as Annexure No. F.



കേരളം KERALA

AFFIDAVIT

Y 906885

I, Abj. Mathew, Managing Partner & Authorized Signatory of M/s Panachayil Industries having its correspondence office at West Othara PO, Thiruvalla, Kerala - 689551, do hereby affirm and confirm as follows:

1. That, M/s Panachayil Industries propose to develop a Quarry project at Survey No. 21/6, 21/4, 10/2, 9/1-2, 9/1-3, 20/3, 23/7, 28/10-1, 23/5, Thottapuzhassery Village, Thottapuzhassery Panchayat, Thiruvalla Taluk, Pathanamthitta District, Kerala.
2. That, the eco-restoration including the mine closure plan will be done at our expenses.

Verification:

Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein

Place : TiruvallaDate : 17.10.2013

Solemnly affirmed and signed
before me by the deponent who
is personally known to me in
my office at Tiruvalla on this
the 17th day of October 2013

A. P. Gokula Chandran, B.A., LL.B.,
Advocate & Notary
Tiruvalla

28384 / 13100 Abj. Mathew, Managing Partner
Panachayil Industries
West Othara PO

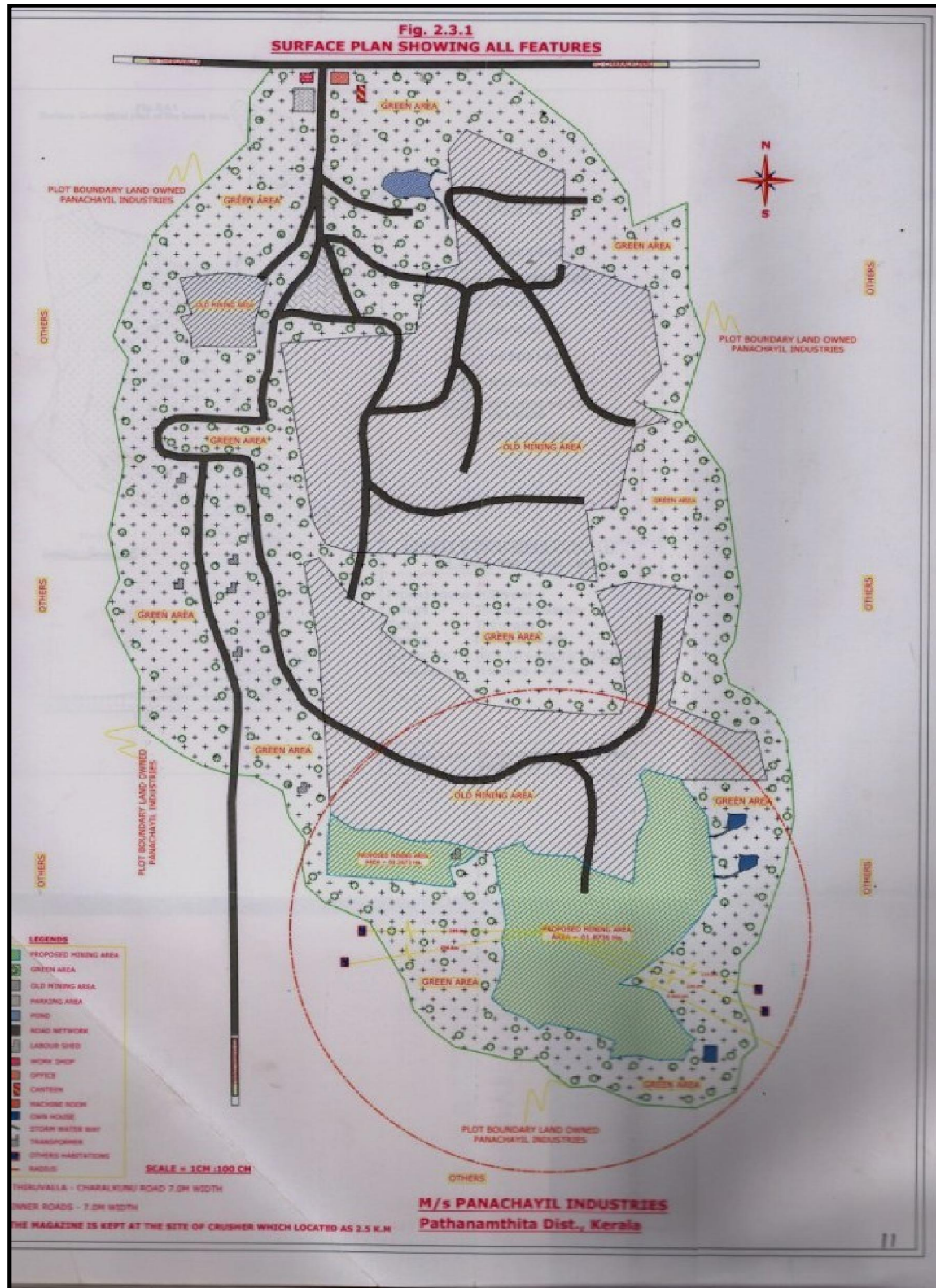
NOTARY
TIRUVALLA

ANNEXURE 2



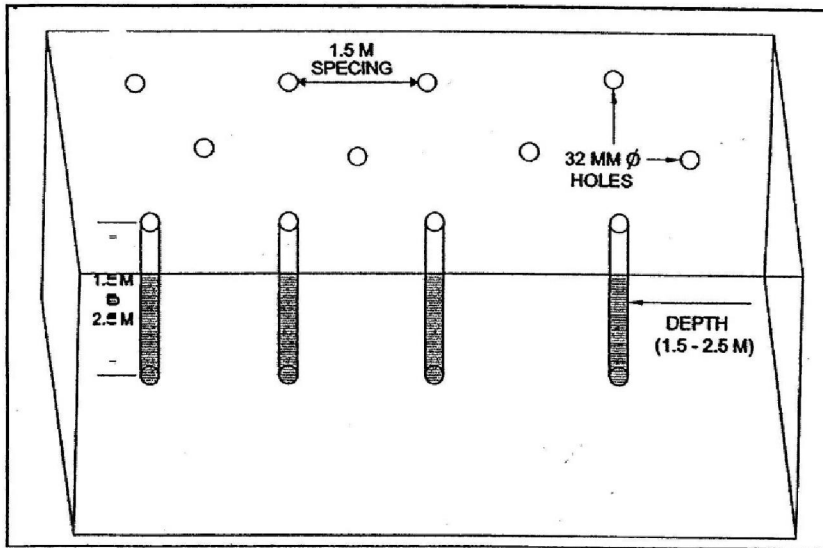
Photographs showing top soil storage area

ANNEXURE 3



1. DRILLING

The excavation of mineral is proposed by excavators. The mineral is fractured and easily exploitable by rock breakers and excavators. The hard strata are proposed to excavate after drilling and blasting. The cross-sectional view of drilling operations is shown below:-



1.1. Salient features of drilling/ blasting

- About 30 to 50 holes per blast of 32 mm diameter and to a depth of 2 to 2.5m will be adopted.
- It is estimated about 2 to 3 T production per hole.
- Number of blasts per day depends upon the workable area and production to be achieved.
- The spacing of 1.0 to 1.5m between the holes will be adopted.
- About 250gm per hole of explosive will be used. However, 10 kg/ blast will be adopted at any point of time.
- Millisecond electric blasting will be adopted to limit the PPV and noise levels within the stipulated standards.

2. BLASTING

The controlled blasting is proposed by adopting all the safety measures as per "MMR 1961" and with the permission of DGMS.

In this area for fragmentation of granite the blasting will be conducted. Multiple blast holes of 1.0 to 1.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.

It is estimated about 250 g of explosives per hole is required. About 30 – 50 holes per blast are proposed. Therefore, the requirement of explosives will be about 10 kg/ blast.

2.1. Blasting Safeguard

- Blasting in the open cast pit will be done only during day time at designated hours.
- Only competent blasters will be appointed to handle explosives.
- Explosives will be stored in approved and licensed magazine as per Explosive Act/ Rules.
- Explosives will be brought from magazine to blasting site in licensed Explosive Van under the care of blaster.
- Sufficient warning signals will be given before blasting the holes.
- Guards will be posted on all roads and paths at least 250 m distance to stop entrance to the danger zone during blasting hour.
- Controlled blasting will be practiced to control vibrations and flying fragments.
- Optimum charge will be used, while blasting near office complex/ infrastructure site.
- Maximum charge per delay will always be less than 10kg to limit the PPV levels within the DGMS standards of 15 mm/sec.

2.2. Types of Explosive Used

Only class 2 and class 6 explosive is proposed for use as given below:-

Booster (20%)	Slurry explosive
Explosive (Column charge) (80%)	Ammonium Nitrate Fuel oil (ANFO). The ANFO mixture can be readily produced at a site by mixing ammonium nitrate (94.5 %) with diesel oil (5.5%).
Initiator	Electric detonators

2.3. Storage of Explosive

Considering low consumption, a 550 kg portable magazine is proposed for storing the explosive. The magazines are located within the complex and within the owners property (adjacent mine area).

ANNEXURE 5



Photographs showing garland drains to channelize storm water

ANNEXURE 6



Photographs showing the storm water storage pit and debris/silt traps to prevent entry of quarry waste to the main streams.

ANNEXURE 7



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CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104
Phone : 0484-3261174, 2544030, 8281982322 www.poluchem.com, poluchem@gmail.com

ACCREDITED BY DEPT. OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA AND KSPCB AS "A" GRADE LABORATORY

TEST REPORT


Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/3261/2017
M/s. Panachayil Industries Thottapuzhassery Thiruvalla Kerala	Date of issue:	25/03/2017
	Date of monitoring	16/03/2017 10.00 Hrs to 17/03/2017 10.00 Hrs
	Date of sample received:	18/03/2017
	Date of analysis	18/03/2017
	Monitoring Location	M/s. Panachayil Industries, Survey Nos.: 23/5-1, 21/4, 21/6, 20/1 & others Village -Thottapuzhassery , Panchayath- Thottapuzhassery, Taluk- Thiruvalla Pathanamthitta District ,Kerala
	Sample description	Ambient air – Near East side boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 23 2006	53.1 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	WI/AMB2.5/01	30.2 µg/m ³	60 µg/m ³
03	Sulphur dioxide	I S 5182 Part 2 2001	14.7 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006	9.8 µg/m ³	80 µg/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
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SREEJA RAMESH
Quality Manager
Poluchem Laboratories (P) Ltd.

ANALYSIS OF AMBIENT AIR, STACK EMISSION, SOUND, LIGHT, WATER, EFFLUENT, SOIL, SPICES, FOOD
TEA, OIL, FERTILISERS, BASIC CHEMICALS, PESTICIDE RESIDUES, HEAVY METALS AND MICROBIOLOGY

ANNEXURE 8



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TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/RT/SD/3262/2017
	Date of issue:	25/03/2017
	Date of monitoring	16/03/2017 10.00 Hrs to 17/03/2017 10.00 Hrs
M/s. Panachayil Industries Thottapuzhassery Thiruvalla Kerala	Monitoring Location	M/s. Panachayil Industries, Survey Nos.: 23/5-1, 21/4, 21/6, 20/1 & others Village -Thottapuzhassery , Panchayath- Thottapuzhassery, Taluk- Thiruvalla Pathanamthitta District ,Kerala
	Sample Description	Ambient Sound Level (Leq)
Monitoring Location	Time	Results
	10.00 Hrs	57.4 dB (A)
	11.00 Hrs	56.2 dB (A)
	12.00 Hrs	55.9 dB (A)
	13.00 Hrs	56.8 dB (A)
	14.00 Hrs	58.4 dB (A)
	15.00 Hrs	49.8 dB (A)
	16.00 Hrs	48.2 dB (A)
	17.00 Hrs	46.3 dB (A)
	18.00 Hrs	40.1 dB (A)
	19.00 Hrs	39.8 dB (A)
	20.00 Hrs	38.5 dB (A)
	21.00 Hrs	37.4 dB (A)
	22.00 Hrs	35.2 dB (A)
	23.00 Hrs	34.5 dB (A)
	00.00 Hrs	34.2 dB (A)
	01.00 Hrs	36.4 dB (A)
	02.00 Hrs	35.2 dB (A)
	03.00 Hrs	37.1 dB (A)
	04.00 Hrs	39.8 dB (A)
	05.00 Hrs	45.6 dB (A)
	06.00 Hrs	47.2 dB (A)
	07.00 Hrs	49.8 dB (A)
	08.00 Hrs	53.7 dB (A)
	09.00 Hrs	55.9 dB (A)
Leq (Day time)		54.9 dB (A)
Leq (Night time)		35.2 dB (A)

*End of the Report *

SREEJA RAMES For Poluchem Laboratories (P) Ltd.
Quality Manager
Poluchem Laboratories (P) Ltd. Authorized Signatory

ANALYSIS OF AMBIENT AIR, STACK EMISSION, SOUND, LIGHT, WATER, EFFLUENT, SOIL, SPICES, FOOD
TEA, OIL, FERTILISERS, BASIC CHEMICALS, PESTICIDE RESIDUES, HEAVY METALS AND MICROBIOLOGY

ANNEXURE 9



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TEST REPORT

Ref.No. PL/RT/OW/3264/2017

Date of Issue: 25/03/2017

Page 01 of 02

Name & address of customer

: M/s. Panachayil Industries
Thottapuzhassery
Thiruvalla, Kerala

Project Site

: M/s. Panachayil Industries,
Survey Nos.:23/5-1, 21/4, 21/6, 20/1 & Others
Village -Thottapuzhassery,
Panchayath- Thottapuzhassery,
Taluk- Thiruvalla
Dist- Pathanamthitta ,Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Drinking Water

Location of sampling

: Open Well water-South Side

Date of sample collected

: 17/03/2017

Date of analysis started

: 18/03/2017

Date of completion of analysis

: 24/03/2017

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983	3 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983	5.90	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 15 – 1984	28 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983	7.68 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986	4 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988	11.4 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991	2.31 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994	<1 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003	0.21 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 31 – 1988	BDL	200 mg/l
Fluoride as F	IS 3025 (P) 60 – 2008	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Quality Manager
Poluchem Laboratories (P) Ltd.

Authorized signatory

ANALYSIS OF AMBIENT AIR, STACK EMISSION, SOUND, LIGHT, WATER, EFFLUENT, SOIL, SPICES, FOOD
TEA, OIL, FERTILISERS, BASIC CHEMICALS, PESTICIDE RESIDUES, HEAVY METALS AND MICROBIOLOGY



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Page 02 of 02

Continuation of Test Certificate No: 3264/2017

Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P)56 – 2003	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37– 1988	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42– 1992	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59– 2006	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41– 1992	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 – 2003	BDL	0.05 mg/l
Zinc as Zn	IS 3025(P) 49 – 1994	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 – 1994	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27 – 1986	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47– 1994	BDL	0.01 mg/l
Aluminum as Al	IS 3025 (P) 5 – 2003	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57– 2005	BDL	0.5 mg/l

Note : BDL – Below Detection Level

MICROBIOLOGY ANALYSIS

Parameters tested	Unit	Test method	Results	Acceptable Limit As per IS – 10500-2012
Coliforms	MPN/100ml	IS 1622: 1981	23	Absent
E coli	Present or Absent/100ml	IS 1622: 1981	Absent	Absent

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Quality Manager
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.

ANALYSIS OF AMBIENT AIR, STACK EMISSION, SOUND, LIGHT, WATER, EFFLUENT, SOIL, SPICES, FOOD
TEA, OIL, FERTILISERS, BASIC CHEMICALS, PESTICIDE RESIDUES, HEAVY METALS AND MICROBIOLOGY



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104
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ACCREDITED BY DEPT. OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA AND KSPCB AS "A" GRADE LABORATORY

TEST REPORT

Ref.No. PL/RT/OW/3263/2017

Date of Issue: 25/03/2017

Page 01 of 02

Name & address of customer

: M/s. Panachayil Industries
Thottapuzhassery
Thiruvalla, Kerala

Project Site

: M/s. Panachayil Industries,
Survey Nos.: 23/5-1, 21/4, 21/6, 20/1 & Others
Village -Thottapuzhassery ,
Panchayath- Thottapuzhassery,
Taluk- Thiruvalla
Dist- Pathanamthitta ,Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Drinking Water

Location of sampling

: Open Well water-North Side

Date of sample collected

: 17/03/2017

Date of analysis started

: 18/03/2017

Date of completion of analysis

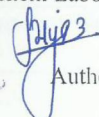
: 24/03/2017

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983	5 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984	2 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983	5.45	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 15 – 1984	62 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983	21.12 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986	10 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988	15.2 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991	5.39 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994	1.87 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003	0.23 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 31 – 1988	2.3 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 – 2008	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Quality Manager
Poluchem Laboratories (P) Ltd.


Authorized signatory

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Continuation of Test Certificate No: 3263/2017

Page 02 of 02

Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P)56 - 2003	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42- 1992	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59- 2006	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41- 1992	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 - 2003	BDL	0.05 mg/l
Zinc as Zn	IS 3025(P) 49 - 1994	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 - 1994	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27 - 1986	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47- 1994	BDL	0.01 mg/l
Aluminum as Al	IS 3025 (P) 5 - 2003	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57- 2005	BDL	0.5 mg/l

Note : BDL - Below Detection Level

MICROBIOLOGY ANALYSIS

Parameters tested	Unit	Test method	Results	Acceptable Limit As per IS - 10500-2012
Coliforms	MPN/100ml	IS 1622: 1981	70	Absent
E coli	Present or Absent/100ml	IS 1622: 1981	Absent	Absent

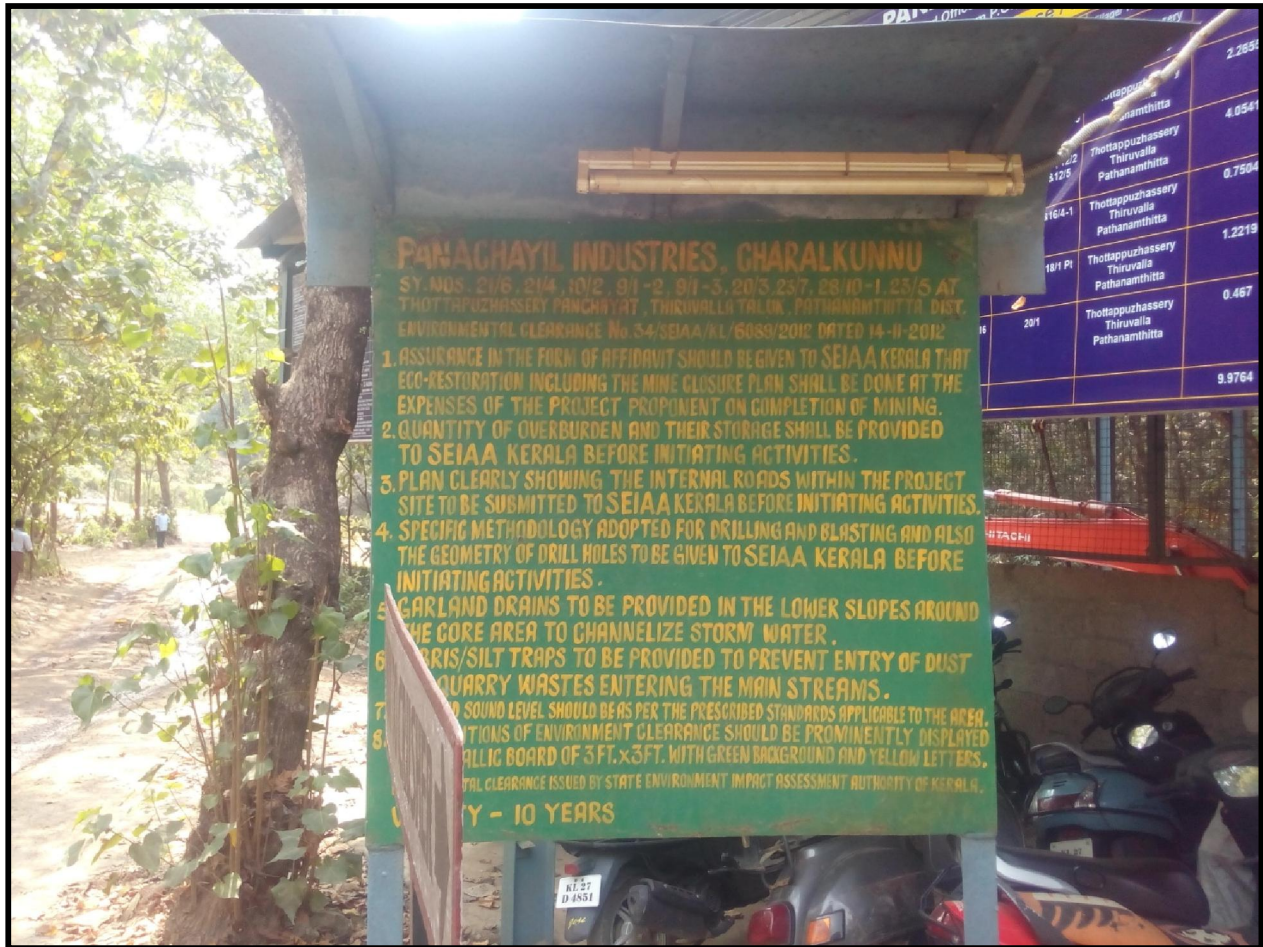
For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Quality Manager
Poluchem Laboratories (P) Ltd.
Authorized signatory
* End of the report*

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ANNEXURE 10



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

ANNEXURE – A



Photographs showing the rainwater harvesting system within the project area

ANNEXURE B



Photographs showing road side plantation and plant nursery

ANNEXURE B1



Photograph showing solar light installed in the project area

തീയതി. 03.04.2018

802523464801

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

ലൈസൻസിന്റെ പേരും മേൽവിലാസവും	ശ്രീ. മഹി രാജു. മാനോജിങ് ചാർജ്ജ് ചന്ദ്രവിൽ ഇൻഡസ്റ്റീയ്സ് കോളംപുറം റോഡിൽ.
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	ചന്ദ്രവിൽ ഇൻഡസ്റ്റീയ്സ്
ലൈസൻസ് നൽകിയിട്ടുള്ള വ്യക്തിഗതങ്ങൾ	124 H.P ഉൾപ്പെടെ മറ്റ് മാറ്റിഫിക്കേഷൻ
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	ബ്ലോക്കിൽ ലിസ്റ്റ് ചെയ്ത 22 നമ്പർ വാർഡ് കമ്മിഷൻ അനുസരിച്ച് 222 നമ്പർ വാർഡ് കമ്മിഷൻ
ലൈസൻസ് കാലയളവ്	04.04.2018 മുതൽ 06.06.2018 01-03-2019
ഇടപാടിനെ ലൈസൻസ് നമ്പർ	൧൪൦-40൦൦/+6൦൦൦/- P.T-25൦൦/- C.F-2൫൦൦/- 6502/- 11൭൦2൦100൦75 T-4-2018. Thrippappurhassery Grama Panchayat Secretary

ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാകേച്ഛപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)

1. Kivala state pollution Board consent No. QCO/PTA/114/R₃/2015 valid up to 30-06-2020 20-01-2021
2. Consent No. QCO/PTA/192/15 valid up to 30-06-19 25-08-2022
3. QCO/PTA/193/15 valid up to 30-06-19 04-02-2019
4. QCO/PTA/194/15 valid up to 30-06-19 16-12-2022
5. QCO/PTA/195/15 valid up to 30-06-19 03-01-2021.
6. 204/dt06-07/553/193/17 dt d. 21/2/07. 705/2006-07/553/193/209 No. 561/08-09/16672/193/2006 dt 10-12-08. 713/2008-09/1425 dt 22-07-03/209 dt 17-12/09, 122/2010-11/4223/2010 dt 1-6-10.
7. Deposition of Explosive A/c. E/SC/KL/22/1506 (CLW) sked up to 31-03-2021.

FUL Fee remitted
(2018-19)

03.04.18

ഒഫീസ് മുദ്ര



സംസ്കൃതം

மாண்புமிகு பேரவைத் தலைவர் (மாண்புமிகு பேரவைத் தலைவர்)

പ്രൊഫ. എ. ഗോമസ്

ഫോൺ: 0468-489 549

GLM-30-Y-2014

4. $\rho c / \beta$ constant χ_1 . $\rho c / \beta$ PTA / L93 / 2.45 - σ_4 - 02.19 mm distance velocity

ലൈസൻസി താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു

1. കേരളാ പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും ബൈലകളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ / സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസി വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
3. ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്ക വിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസി തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പെലക വച്ചിരിക്കേണ്ടതാണ്.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം ലഭിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാൻ പാടില്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്ത വിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിന് വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
6. ഓരോ പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
7. ആ സ്ഥലത്തിന്റെയോ പരിസരത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ അവശിഷ്ടങ്ങളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച്, സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
8. ലൈസൻസി ഏതൊരു കെട്ടിടത്തിന്റെയും ചുവരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പരിസരത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിച്ചുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ, ചപ്പുചവറോ, അസഹ്യവും, ഉപദ്രവകരവുമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായി കേടുപാട് തീർത്ത് നിലനിർത്തേണ്ടതാണ്.
9. ലൈസൻസി മേൽപറഞ്ഞ സ്ഥലത്തോ, പരിസരത്തോ അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുപാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായി കേടുപാടുതീർത്ത് വയ്പിക്കേണ്ടതാണ്.
10. അധിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
11. ഏതെങ്കിലും തരത്തിലുള്ള തിക്ക് രോഗമോ കൃഷ്ണ രോഗമോ വ്രണമോ പകർച്ച വ്യാധികളോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന സ്ഥലത്തും പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
12. 40 മൈക്രോണിൽ കുറവുള്ള പ്ലാസ്റ്റിക് കളും മറ്റ് നിരോധിത പ്ലാസ്റ്റിക് ഇനങ്ങളും ഉൽപ്പാദിപ്പിക്കുകയോ ശേഖരിക്കുകയോ വിൽക്കുകയോ കൈകാര്യം ചെയ്യുകയോ ചെയ്യാൻ പാടില്ല.
13. സ്ഥാപനത്തിന്റെ ബോർഡിൽ സ്ഥലനാമം മലയാളത്തിലും ഇംഗ്ലീഷിലും രേഖപ്പെടുത്തേണ്ടതാണ്.
14. 20 സീറ്റിൽ കൂടുതലുള്ള എല്ലാ ഹോട്ടലുകൾക്കും റെസ്റ്റോറന്റുകൾക്കും ടോയ്ലെറ്റ് സൗകര്യം ഏർപ്പെടുത്തേണ്ടതാണ്.
15. നിരോധിത ഉൽപ്പന്നങ്ങളായ പാൻമസാല, ഗുഡ്ബ തുടങ്ങിയവ സംഭരിച്ചുവയ്ക്കുവാനോ വിൽക്കുവാനോ പാടില്ല.
16. ബാലവേല അനുവദിക്കാൻ പാടില്ല.
17. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളുടെ ലംഘനം ഈ ലൈസൻസ് റദ്ദ് ചെയ്യപ്പെടുന്നതിന് കാരണമാകാവുന്നതാണ്.



N.B :- ഈ ലൈസൻസ് അനുവദിക്കുന്ന തീയതിയിൽ 30 ദിവസം മുമ്പ് ലൈസൻസിന്റെ പകർപ്പ് സമർപ്പിക്കേണ്ടതാണ്.

പ.എൻ. രാധാകൃഷ്ണൻ നായർ
സെക്രട്ടറി
തോട്ടപ്പഴശ്ശേരി ഗ്രാമപഞ്ചായത്ത്
മാമമൺ പി.ഒ. പത്തനംതിട്ട
ഫോൺ 0468 2214387, 9496042633

ANNEXURE C2

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

Date of issue:17/07/2015



**KERALA STATE
POLLUTION CONTROL BOARD
DISTRICT OFFICE
PATHANAMTHITTA**

(ONLINE)

CONSENT TO OPERATE(R)

ISSUED

UNDER

Water (Prevention & Control of Pollution) Act, 1974

Air (Prevention & Control of Pollution) Act, 1981

&

Environment (Protection) Act, 1986

To

**M/s. Panachayil Industries (Quarry)
Kolabhagom.P.O,
Thadiyoor,
Pin-689 545,
Pathanamthitta. Dist.**

CONSENT NO: QCO/PTA/193/2015

VALID UP TO: 30/06/2018



1. GENERAL

1	VALIDITY:-	30/06/2018
2	Name and address of establishment	M/s. Panachayil Industries, Kolabhagom.P.O, Thadiyoor, Pin: 689 545, Pathanamthitta Dist.
3	Communication	Telephone : 0469 - 2672210 Mobile : 9447762210 Fax : e-mail : tvla@poabs.in
4	Occupier details	Sri. Aby Mathew, Managing Partner, Palliyambil House, West Othara.P.O, Pin-689 551, Thiruvalla.
5	Survey Number	15/7 pt, 15/9pt, 15/15, 16/5, 21/5, 21/6pt
6	Village	Thottappuzhassery
7	Taluk	Thiruvalla
8	District	Pathanamthitta
9	Panchayat: Ward No:	Thottappuzhassery 1
10	Category	RED
11	Scale	SMALL
12	Fee Slab / Fee remitted	Rs.2370/ year Rs.52130/- DD.No.351088, 351241 Date : 19/03/2015, 16/04/2015 Bank : Federal Bank
13	Capital Investment	Rs.10lakhs
14	Total Water consumption:-	3000Lit/day
15	Effluent Generation	1000 Lit/day
16	Mode of disposal of treated effluent	Percolation
17	Effluent treatment details	Septic tank & Soak pit
18	Date of Commissioning	January, 1995
19	Previous Consent details	QCO/PTA/14/R ₂ /2012, dated. 06/12/12, Validity - 30/06/2015
20	Date of receipt of completed application	30/06/2015
21	Machinery details	Compressor (2nos) : 62HP(each) Jack Hammer : 5nos Tractor Compressor - 2nos Breaker (1no) -125 HP Excavator (3nos) - 135HP D.G.Set (1no) -125kVA
22	PRODUCTS/ACTIVITY	Rubble - 535MT/day



FILE NO. PCB/PTA/QR/24/2007

Date of issue: 17/07/2015



**KERALA STATE
POLLUTION CONTROL BOARD
DISTRICT OFFICE
PATHANAMTHITTA**

K E R A L A (ONLINE)

CONSENT TO OPERATE(R)

ISSUED

UNDER

Water (Prevention & Control of Pollution) Act, 1974

Air (Prevention & Control of Pollution) Act, 1981

&

Environment (Protection) Act, 1986

To

**M/s. Panachayil Industries (Quarry)
Kolabhagam.P.O,
Thadiyoor,
Pin-689 545,
Pathanamthitta. Dist.**

CONSENT NO: QCO/PTA/14/R₃/2015

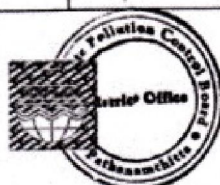
VALID UP TO: 30/06/2018

eo



1. GENERAL

1	VALIDITY:-	30/06/2018
2	Name and address of establishment	M/s. Panachayil Industries, Kolabhagom.P.O, Thadiyoor, Pin: 689 545, PathanamthittaDist.
3	Communication	Telephone : 0469 - 2672210 Mobile : 9447762210 Fax : e-mail : tvla@poabs.in
4	Occupier details	Sri. Aby Mathew, Managing Partner, Palliyambil House, West Othera.P.O, Pin-689 551, Thiruvalla.
5	Survey Number	3/5, 11/2, 11/4, 12/6, 12/3, 12/2, 12/5
6	Village	Thottappuzhassery
7	Taluk	Thiruvalla
8	District	Pathanamthitta
9	Panchayat: Ward No:	Thottappuzhassery 1
10	Category	RED
11	Scale	SMALL
12	Fee Slab / Fee remitted	Rs.6560/ year Rs.52130/- DD.No.351088, 351241 Date : 19/03/2015, 16/04/2015 Bank : Federal Bank
13	Capital Investment	Rs.48lakhs
14	Total Water consumption:-	3000Lit/day
15	Effluent Generation	1000 Lit/day
16	Mode of disposal of treated effluent	Percolation
17	Effluent treatment details	Septic tank & Soak pit
18	Date of Commissioning	January, 1995
19	Previous Consent details	QCO/PTA/14/R ₂ /2012, dated. 06/12/12, Validity - 30/06/2015
20	Date of receipt of completed application	13/07/2015
21	Machinery details	Compressor (2nos) : 62HP(each) Jack Hammer : 5nos Tractor Compressor - 2nos Breaker (1no) -125 HP Excavator (3nos) - 135HP D.G.Set (1no) -125kVA
22	PRODUCTS/ACTIVITY	Rubble - 1500MT/day



ANNEXURE C4



**GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly Department of Explosives)
Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ PO Kakkulam Dist. Ernakulam Ernakulam 682017**

Tel: 2427286 Fax: 2427276
Email: dyccomexakulam@explosives.gov.in

No.ESC/KL/22/150(E/1315)

To: **SRI BINU K MATHIEW M/PANACHAYIL INDUSTRIES**
WEST OTHERA POST, TIRUVALLA
Town/Village: WEST OTHERA
Dist: PATHANAMTHITTA, State: Kerala, Pincode-689551

Dated: 30/03/2015

Subject: **Permit for Use of Explosives from migration at Survey No.60/160/1A3 Village/Town: Thottupuzhacherry, Thiruvalla taluk, Dist. PATHANAMTHITTA, State Kerala License No.: ESC/KL/22/150(E/1315) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding**

Sd/-

References to your letter No.: ESC/KL/22/150(E/1315) dated: 12/01/2015, the subject license duly renewed upto 31/03/2020 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

Conditions:

1. Valid authorized quarry permit in the name of licensee for blasting operations at Quarry all. S. No. 98/11 of Block No.24 and different subdivisions in the quarry situated at village Thiruvalla Taluk, Pathanamthitta District and local state Govt authorities approval as applicable renewed from time to time shall be in possession 2. If any change of quarry or additional quarry is involved necessary prior approval/consent must be obtained from the licensing authority shall be in possession.
- For further renewal of license, please submit the following documents as to reach this office on or before 31/03/2020.

- Application in Form RE-1 duly filled in and signed.
- License fee for one to five years in the form of demand draft drawn on any Nationalized Bank in favour of A. Chief Controller of Explosives, Chennai payable at Chennai.
- Original license with approved plan.
- In this connection, please also refer to Rule 112 of Explosives Rules, 2008.

- Index 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 month.
- All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above regulations prescribed in the regulations framed under the said Act.

An amount of Rs. 500/- balance in its year credit, which may be utilized for future transaction by quoting this reference.

Enclosures :

Yours faithfully,
(A.K. Varadachari)
Controller of Explosives
For Dy. Chief Controller of Explosives
Ernakulam

Copy Forwarded to:

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

LICENCE FORM LE-3

(See article 3(a) to (d) of Part I of Schedule IV of Explosives Rules, 2008)

License to possess : (a) for use/explosives of class 1, 2,3,4,5,6 or 7 in a mag

License No.: ESC/KL/22/150(E/1315)
Annual Fee Rs.2400/-



1. License is hereby granted to: **SRI BINU K MATHIEW M/PANACHAYIL INDUSTRIES**
(Occupier: BINU. K MATHIEW)
WEST OTHERA Post, TIRUVALLA, Town/Village: WEST OTHERA
District: PATHANAMTHITTA, State: Kerala, Pincode - 689551

OTHERA

2. Status of licensee: **Company**
3. License is valid only for the following purpose: **possession for use of Nitrate Mixture, Safety Fuse, Electric and/or Ordinary Detonators,**
4. (a) License is valid for the following kinds and quantity of explosives:

Sr. No.	Name and Description	Class & Division	Sub-division (if any)	Quantity at any one time
1.	Nitrate Mixture	2.0	0	250 Kg.
2.	Safety Fuse	6.3	0	5000 Mtrs
3.	Electric and/or Ordinary Detonators	6.3	0	5000 Nos.

- (b) Quantity of explosives to be purchased in a calendar month applicable for license under article 3(b) and (c): **20 times as above.**

5. The licensed premises shall conform to the following drawing(s):
Drawing No.: ESC/KL/22/150(E/1315) dated: 19/12/1992

6. The licensed premises are situated at following address:
Survey No.60/160/1A3 - Town/Village: **Thottupuzhacherry, Thiruvalla taluk**
Police Station: **PATHANAMTHITTA** District: **PATHANAMTHITTA**
Pin Code: Phone: E-Mail: State: **Kera** Fax:

7. The licensed premises consist of following facilities: **PORTABLE MAGAZINES B & S TYPE**

8. The license is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

- (1) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- (2) Conditions and Additional Conditions of this license signed by the licensing authority.
- (3) Distance Form DE-2

9. This license shall remain valid till **31st day of March 1994**

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

K M J
M. DEEPAK KUN
INSPECTOR OF POLICE



The Date: 17/12/1992

Amendment:

Sd/-
Joint Chief Controller of Explosives
South Circle, Chennai

www.comalocalnews

കാട്ടുവർത്തമാനം •

ദിക്കരുടെ സ്വീകരണം ഏറ്റുവാങ്ങി
തങ്കയങ്കി ഘോഷയാത്ര

കുറുപ്പേറ്റ പാലാശ്ശിയിൽ നടന്ന
തങ്കയങ്കി ഘോഷയാത്രയ്ക്ക്
നവീൻ കുറുപ്പേറ്റയ്ക്ക് പ്രത്യേക
പരിഗണനയുമായി കോർപ്പറേഷൻ
പ്രസിഡൻ്റ് എസ്.എസ്.എസ്.എസ്.

കുറുപ്പേറ്റ പാലാശ്ശിയിൽ നടന്ന
തങ്കയങ്കി ഘോഷയാത്രയ്ക്ക്
നവീൻ കുറുപ്പേറ്റയ്ക്ക് പ്രത്യേക
പരിഗണനയുമായി കോർപ്പറേഷൻ
പ്രസിഡൻ്റ് എസ്.എസ്.എസ്.എസ്.

ക്രിസ്ത്യാനീറ്റി
മെമ്മോറിയൽ

ക്രിസ്ത്യാനീറ്റി
മെമ്മോറിയൽ

NOTICE

This is to inform to the General Public that the proposed quarry project at Survey Nos. 21/6, 21/4, 10/2, 31/3, 31/5, 20/3, 23/7, 28/10-1, 23/5, Thottapuzhassery Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala is being developed by M/s Panachayil Industries is approved by ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 34/SEIAA/KL/6089/2012 dt. 14-12-2012 and the copy of the Environmental Clearance is available with the Secretary, Department of Environment and Climate Change, Government of Kerala and may also be seen on the website of the Department at www.seiaakerala.org.

3.12.2012

3.12.2012

**SHOP
OPEN
TODAY**

ക്രിസ്ത്യാനീറ്റി മെമ്മോറിയൽ ക്ലബ്ബ്
എന്നിവിടെ പ്രവർത്തിക്കുന്നു
ഘോഷയാത്രയ്ക്ക് പ്രത്യേക പരിഗണനയുമായി കോർപ്പറേഷൻ പ്രസിഡൻ്റ് എസ്.എസ്.എസ്.എസ്.

**BEHOLD YOUR
GOLD DIAMONDS IN THE SILVER**

BEHOLD YOUR
GOLD DIAMONDS IN THE SILVER

ANNEXURE D2

TRAVANCORE

THE NEW INDIAN EXPRESS
KOCHI MONDAY 24 DECEMBER

4. Various Dkt Centre
5. Various Dkt Centre
6. Various Dkt Centre
7. Various Dkt Centre
8. Various Dkt Centre
9. Various Dkt Centre
10. Various Dkt Centre

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Beds / Fridge / Office Appliance / Stereo /
TV / VCR / Dish / Air / Water /
4000. Reproduction of years of text.

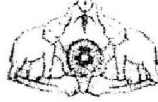
FOR SALE
Office / Studio / Room / Kitchen / Bath /
Beds / Fridge / Office Appliance / Stereo /
TV / VCR / Dish / Air / Water /
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Beds / Fridge / Office Appliance / Stereo /
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consequences, in case such
claims are found to be false.

NOTICE
This is to inform to the General Public that the proposed
quarry project at Survey Nos. 21A, 21B, 21C, 21D, 21E, 21F,
21G, 21H, 21I, 21J, 21K, 21L, 21M, 21N, 21O, 21P, 21Q, 21R,
21S, 21T, 21U, 21V, 21W, 21X, 21Y, 21Z, 21AA, 21AB, 21AC,
21AD, 21AE, 21AF, 21AG, 21AH, 21AI, 21AJ, 21AK, 21AL, 21AM,
21AN, 21AO, 21AP, 21AQ, 21AR, 21AS, 21AT, 21AU, 21AV, 21AW,
21AX, 21AY, 21AZ, 21BA, 21BB, 21BC, 21BD, 21BE, 21BF, 21BG,
21BH, 21BI, 21BJ, 21BK, 21BL, 21BM, 21BN, 21BO, 21BP, 21BQ,
21BR, 21BS, 21BT, 21BU, 21BV, 21BW, 21BX, 21BY, 21BZ, 21CA,
21CB, 21CC, 21CD, 21CE, 21CF, 21CG, 21CH, 21CI, 21CJ, 21CK,
21CL, 21CM, 21CN, 21CO, 21CP, 21CQ, 21CR, 21CS, 21CT, 21CU,
21CV, 21CW, 21CX, 21CY, 21CZ, 21DA, 21DB, 21DC, 21DD, 21DE,
21DF, 21DG, 21DH, 21DI, 21DJ, 21DK, 21DL, 21DM, 21DN, 21DO,
21DP, 21DQ, 21DR, 21DS, 21DT, 21DU, 21DV, 21DW, 21DX, 21DY,
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21IQ, 21IR, 21IS, 21IT, 21IU, 21IV, 21IW, 21IX, 21IY, 21IZ, 21JA,
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21JL, 21JM, 21JN, 21JO, 21JP, 21JQ, 21JR, 21JS, 21JT, 21JU,
21JV, 21JW, 21JX, 21JY, 21JZ, 21KA, 21KB, 21KC, 21KD, 21KE,
21KF, 21KG, 21KH, 21KI, 21KJ, 21KK, 21KL, 21KM, 21KN, 21KO,
21KP, 21KQ, 21KR, 21KS, 21KT, 21KU, 21KV, 21KW, 21KX, 21KY,
21KZ, 21LA, 21LB, 21LC, 21LD, 21LE, 21LF, 21LG, 21LH, 21LI,
21LJ, 21LK, 21LL, 21LM, 21LN, 21LO, 21LP, 21LQ, 21LR, 21LS,
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21MD, 21ME, 21MF, 21MG, 21MH, 21MI, 21MJ, 21MK, 21ML, 21MM,
21MN, 21MO, 21MP, 21MQ, 21MR, 21MS, 21MT, 21MU, 21MV, 21MW,
21MX, 21MY, 21MZ, 21NA, 21NB, 21NC, 21ND, 21NE, 21NF, 21NG,
21NH, 21NI, 21NJ, 21NK, 21NL, 21NM, 21NN, 21NO, 21NP, 21NQ,
21NR, 21NS, 21NT, 21NU, 21NV, 21NW, 21NX, 21NY, 21NZ, 21OA,
21OB, 21OC, 21OD, 21OE, 21OF, 21OG, 21OH, 21OI, 21OJ, 21OK,
21OL, 21OM, 21ON, 21OO, 21OP, 21OQ, 21OR, 21OS, 21OT, 21OU,
21OV, 21OW, 21OX, 21OY, 21OZ, 21PA, 21PB, 21PC, 21PD, 21PE,
21PF, 21PG, 21PH, 21PI, 21PJ, 21PK, 21PL, 21PM, 21PN, 21PO,
21PP, 21PQ, 21PR, 21PS, 21PT, 21PU, 21PV, 21PW, 21PX, 21PY,
21PZ, 21QA, 21QB, 21QC, 21QD, 21QE, 21QF, 21QG, 21QH, 21QI,
21QJ, 21QK, 21QL, 21QM, 21QN, 21QO, 21QP, 21QQ, 21QR, 21QS,
21QT, 21QU, 21QV, 21QW, 21QX, 21QY, 21QZ, 21RA, 21RB, 21RC,
21RD, 21RE, 21RF, 21RG, 21RH, 21RI, 21RJ, 21RK, 21RL, 21RM,
21RN, 21RO, 21RP, 21RQ, 21RR, 21RS, 21RT, 21RU, 21RV, 21RW,
21RX, 21RY, 21RZ, 21SA, 21SB, 21SC, 21SD, 21SE, 21SF, 21SG,
21SH, 21SI, 21SJ, 21SK, 21SL, 21SM, 21SN, 21SO, 21SP, 21SQ,
21SR, 21SS, 21ST, 21SU, 21SV, 21SW, 21SX, 21SY, 21SZ, 21TA,
21TB, 21TC, 21TD, 21TE, 21TF, 21TG, 21TH, 21TI, 21TJ, 21TK,
21TL, 21TM, 21TN, 21TO, 21TP, 21TQ, 21TR, 21TS, 21TT, 21TU,
21TV, 21TW, 21TX, 21TY, 21TZ, 21UA, 21UB, 21UC, 21UD, 21UE,
21UF, 21UG, 21UH, 21UI, 21UJ, 21UK, 21UL, 21UM, 21UN, 21UO,
21UP, 21UQ, 21UR, 21US, 21UT, 21UU, 21UV, 21UW, 21UX, 21UY,
21UZ, 21VA, 21VB, 21VC, 21VD, 21VE, 21VF, 21VG, 21VH, 21VI,
21VJ, 21VK, 21VL, 21VM, 21VN, 21VO, 21VP, 21VQ, 21VR, 21VS,
21VT, 21VU, 21VV, 21VW, 21VX, 21VY, 21VZ, 21WA, 21WB, 21WC,
21WD, 21WE, 21WF, 21WG, 21WH, 21WI, 21WJ, 21WK, 21WL, 21WM,
21WN, 21WO, 21WP, 21WQ, 21WR, 21WS, 21WT, 21WU, 21WV, 21WW,
21WX, 21WY, 21WZ, 21XA, 21XB, 21XC, 21XD, 21XE, 21XF,

ANNEXURE E



തോട്ടപ്പഴശ്ശേരി ഗ്രാമപഞ്ചായത്ത് ആഫീസ്

മുഖ്യമന്ത്രിയുടെ

സെക്രട്ടേറിയറ്റ് / പ്രസിഡൻ്റ്

സെക്രട്ടേറിയറ്റ്

മാമാമൺ പി.ഒ.

പന്തലംതിട്ട ജില്ല - 689 549

ഫോൺ: 0468 - 224387

E-mail: tpsry1@gmail.com

തീയതി 10/10/2012

വിഷയം:-

സൂചന:-

Receipt

Received Copy of order no. 34/SE/AA/KL/
6089/2012 dt. 14.11.2012 to
Member Secretary SEIAA Kerala, Bangalore
Environmental clearance under EIA
Notification 2006 for quarry project
at Thottappurassery Grama Panchayat
by M/s Panachagiri Industries.



[Signature]

10/10/12

SECRETARY
THOTTAPPURASSERY GRAMA PANCHAYAT



കേരളം KERALA

P 788361

AFFIDAVIT

I, Aby Mathew, Managing Partner & authorized signatory of M/s. Panachayil Industries having its correspondence office at West Othara P.O., Thiruvalla, Pathanamthitta, Kerala do hereby affirm and confirm as follows :-

1. That, M/s. Panachayil Industries proposes to develop a Quarry Project at Survey Nos. 21/6, 21/4, 10/2, 9/1-2, 9/1-3, 20/3, 23/7, 28/10-1, 23/5, Thottapuzhassery Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala.
2. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.


DEPONENT

Verification :

Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein.



DEPONENT

Place : Pathanamthitta
Date : 23-12-2012

No. 42614 Rs 100

19-12-12

Aby Mathew


Aby Mathew
Managing Partner