

COMPLIANCE REPORT, JAN – JUNE, 2013



PANACHAYIL INDUSTRIES

West Othara P O, Tiruvalla, Kerala, India - 689 551

Ph: +91 - 469 2743300, Fax: +91 - 469 2743330

Email: mail@poabs.com, www.msand.in

18.10.2013

The Director, DoECC & Secretary SEAC Kerala
'Devi Kripa' Fallimukku, Pettah P.O.,
Thiruvananthapuram
Kerala - 695 024

Sub : Environmental Clearance – Proposed quarry project Sy.
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 - Compliance report –
Reg.


Ref : File No. 34/SEIAA/KL/6089/2012 dt. 14-11-2012

Respected Sir,

Our quarry project was accorded with Environmental Clearance vide
Order No. 34/SEIAA/KL/6089/2012 dt. 14-11-2012. The compliance
report to the specific and general conditions of the Environmental
Clearance is enclosed.

Thanking you

Yours respectfully,
For Panachayil Industries


Aji Mathew
(Managing Partner)

Copy to:

The Regional Director,
MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th
Floor, E&F Wing, II Block, Koramangala, Bangalore – 560034.

**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
SY. 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

BY
M/S PANACHAYIL INDUSTRIES WEST OTHERA P.O., THIRUVALLA
PATHANAMTHITTA, KERALA – 689 551

(JANUARY – JUNE, 2013)**

COMPLIANCE REPORT, JAN – JUNE, 2013

INTRODUCTION

M/s Panachayil Industries is a stone quarry situated at Sy. No. 21/6, 21/4, 10/2, 9/1-2, 9/1-3, 20/3, 23/7, 28/10-1, 23/5 Thottapuzhassery Panchayat, Thiruvalla Taluk, Pathanamthitta District, Kerala. The quarry project was accorded with environmental clearance by State Environment Impact Assessment Authority on 14 – 11 – 2012. Six monthly compliance reports to the conditions of environmental clearance is 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 January – June, 2013 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:

Assurance in the form of affidavit was submitted to SEIAA Kerala on 17-10-2013 stating that eco-restoration including the mine closure plan will be done at our expenses. The copy of the same is attached at Annexure No.1.

CONDITION 2)

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

COMPLIANCE:

The quantity of overburden including topsoil is estimated to be 3500 cu.m. The overburden is stored at the west side in the project area. The photographs of the overburden storage 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:

The map showing the internal roads within the project site is attached at Annexure No. 3.

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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:

Specific methodology adopted for drilling and blasting and also the geometry of drill holes is attached at Annexure No.4.

CONDITION 5)

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

COMPLIANCE:

Garland drains are provided in the lower slopes which are located in west side of the quarry area to channelize the storm water and the photographs of the same is provided at Annexure No. 5.

CONDITION 6)

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

COMPLIANCE:

De-siltation traps are provided in the storm water channels will arrest the debris and slit from entering the water channels .The photographs of the same is provided at Annexure No. 6.

CONDITION 7)

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

COMPLIANCE:

The dust and sound levels were monitored through an NABL accredited laboratory during the quarry in operation and the monitored results are well within the standards applicable. The copy of the ambient air quality monitoring report, ambient noise monitoring report along with the comparative chart is provided at Annexure No. 7, 8, & 9 respectively.

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CONDITION 8)

The conditions of 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 are prominently displayed in a metallic board of 3 ft x 3 ft as per the specifications instructed by SEIAA Kerala. The photographs of the display board are 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:

The details of rain water harvesting structures provided within the site to capture the rain water falling in the project area is provided at Annexure No. A.

CONDITION II)

Environment monitoring cell should be formed and made functional.

COMPLIANCE:

An environmental monitoring cell is formed and made functional.

The details are provided below;

a	Head of the monitoring cell, Managing partner of the company	Aby Mathew
b	Name of the Environmental officer in charge	K.P. Roy
c	Name of the officer Environment, Health & Safety	Manoj C.G
d	Name of the Asst. Officer of Environment, Health and Safety	Ashok Kumar
e	Name of Environment Consultant	M/s Enkay Enviro Services Pvt. Ltd. & M/s Environmental Engineers &

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		Consultants Pvt.Ltd.
f	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 parking areas, if any

COMPLIANCE:

The details regarding the tree, shrub and herb plantations carried out along the road and other areas are provided at Annexure No .B.

CONDITION IV)

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

COMPLIANCE:

Solar energy devices would be installed shortly.

CONDITION V)

In case of any change 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 clearance shall be obtained, as applicable, by project proponents from the respective competent authorities.

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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 No. C1, C2, C3, C4.

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, 1986, the Public Liability (insurance) Act, 1991 and EIA Notification, 2006.

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:

An advertisement in two local newspapers regarding the according of environmental clearance to the quarrying activity was carried out and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement is provided at Annexure No. D1 & D2.

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 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 was submitted to Thottapuzhassery panchayat office on 10.10.2013. The acknowledgement received is provided at Annexure No. E. There

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is no suggestions / Representation received so far from anybody. The environmental clearance is uploaded in the website www.msand.in

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 hard copies as well as e-mail) and upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically, it shall simultaneously be send to respective Regional Office of MoEF, Govt. of India and also the Directorate of Environment and climate change, Govt. of Kerala.

COMPLIANCE:

The first compliance report is being submitted to Department of Environment and Climate Change, Govt. of Kerala and to the regional office of Ministry of Environment and Forests, Govt. of India both in hard copy and by mail and also by the CD soft copy

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 at Department of Environment and Climate Change on 23-12-2012 and the copy of the same attached at Annexure no. F.

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PANACHAYIL INDUSTRIES

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17.10.2013

The Director, DoECC & Secretary SEAC Kerala
Devi Kripa Pallimukku, Pettah P.O.,
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Pathanamthitta District, Kerala - Submission - Reg.

Ref : File No. 34/SEIAA/KL/6089/2012 dt. 14-11-2012


Respected Sir,

Our quarry project was accorded with Environmental Clearance vide
Order No. 34/SEIAA/KL/6089/2012 dt. 14-11-2012. The assurance in
the form of affidavit that eco-restoration including the mine closure plan
will be done at our expenses is enclosed.

Thanking you,

Yours respectfully,

For Panachayil Industries


Aby Mathew
(Managing Partner)

Encl: As above




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.


DEPONENT

Verification:

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

Place : Thiruvalla

Date : 17.10.2013

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


DEPONENT



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

28 389 / 13150 Abj. Mathew, Managing Partner
Panachayil Industries
West Othara, PO

ANNEXURE NO. 2



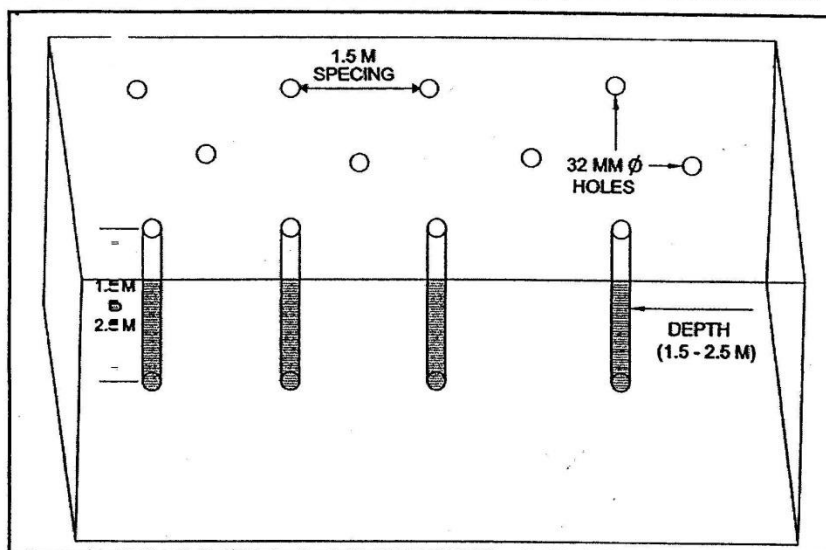
ANNEXURE NO. 2



Annexure No. 4

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.

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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).

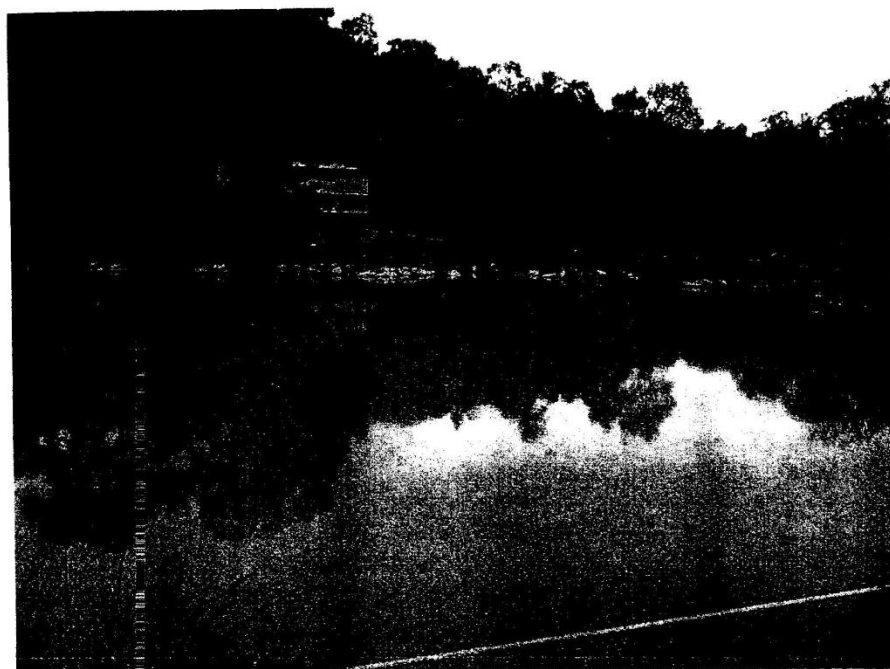
ANNEXURE NO. 5




ANNEXURE NO. 5



ANNEXURE NO. 6



COMPLIANCE REPORT, JAN - JUNE, 2013



POLUCHEM LABORATORIES (P) LTD.
ANALYTICAL CHEMISTS, ETP CONSULTANTS & CHEMICAL ENGINEERS
PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM - 683 104
PHONE: 0464 - 3261174, 2544030. E-mail: poluchem@gmail.com

Kerala District
ION EXCHANGE
FOR ALL TYPES OF
WATER TREATMENT
(INDIA) LTD

GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

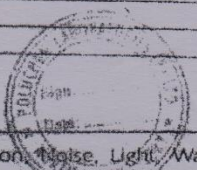
TEST REPORT

Client Name & Address	Certificate No:	2675/07/2013
M/s. Panachayil Industries Thottapuzhassery Thiruvalla Kerala	Date of issue:	28/07/2013
	Date of monitoring	23/07/2013
	Monitoring Location	M/s. Panachayil Industries, 21/4, 10/2, 9/1-2, 9/1- 3, 20/3, 23/7, 28/10- 1, 23/5, Thottapuzhassery Village, Thottapuzhassery Panchayath, Thiruvalla Taluk, Pathanamthitta District Kerala
	Sample Description	Ambient Sound Level (Leq)

Monitoring Location	Time	Results
Location - I	07.00 Hrs	43.8 dB (A)
	08.00 Hrs	44.9 dB (A)
	09.00 Hrs	47.8 dB (A)
	10.00 Hrs	46.7 dB (A)
	11.00 Hrs	48.9 dB (A)
	12.00 Hrs	48.6 dB (A)
	13.00 Hrs	49.1 dB (A)
	14.00 Hrs	48.4 dB (A)
	15.00 Hrs	49.7 dB (A)
	16.00 Hrs	49.2 dB (A)
	17.00 Hrs	48.5 dB (A)
	18.00 Hrs	46.7 dB (A)
	19.00 Hrs	45.8 dB (A)
	20.00 Hrs	45.6 dB (A)
	21.00 Hrs	44.7 dB (A)
	22.00 Hrs	43.5 dB (A)
	23.00 Hrs	38.9 dB (A)
	00.00 Hrs	37.3 dB (A)
	01.00 Hrs	37.6 dB (A)
	02.00 Hrs	38.2 dB (A)
	03.00 Hrs	38.6 dB (A)
	04.00 Hrs	38.8 dB (A)
	05.00 Hrs	39.4 dB (A)
	06.00 Hrs	40.6 dB (A)
Leq (Day time)		46.96 dB (A)
Leq (Night time)		37.87 dB (A)

For Poluchem Laboratories (P) Ltd.

Authorized Signatory



Analysis of Ambient air, Stack emission, Noise, Light, Water, Waste water / Effluent, Soil
Ina, Spices, Oil, Fertilizers, Basic Chemicals etc. Pesticide Residue, Heavy Metals, Microbiology


COMPLIANCE REPORT, JAN – JUNE, 2013

ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY
 PALUTH BUILDING, N. KALMANJERY PO. THIRUVALLUR - 626 104
 NABL ACCREDITED PHONE: 8421 3261174 2744411 E-mail: polu@polu.com
 NABL No. 11658
 1ST GRADE LABORATORY / APPROVED BY KERALA STATE POLLUTION CONTROL BOARD AND ACCREDITED BY NABL

TEST REPORT

Client Name & Address M/s. Panachayil Industries Thottapuzhassery Thiruvalla Kerala	Certificate No:	13/07/2013
	Date of issue:	28/07/2013
	Date of monitoring	23/07/2013
	Date of sample received:	24/07/2013
	Date of analysis	24/07/2013
	Monitoring Location	M/s. Panachayil Industries, 21/4, 10-2, 9/1-2, 9/1-3, 20/3, 23/7, 28, 10- 1, 23/5, Thottapuzhassery Village, Thottapuzhassery Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala
	Sample description	Ambient air – Location I
	Sample code given by client	Nil
Sample identification No:		G/G/13/2013

SL NO	PARAMETERS	TEST METHOD	RESULTS	LIMITS
01	Particulate Matter (PM ₁₀)	IS 5182 Part 4 1999	51.6 µg/M ³	100 µg/M ³
02	Particulate Matter (PM _{2.5})	CPCB	26.5 µg/M ³	60 µg/M ³
03	Sulphur dioxide	IS 5182 Part 2 2001	2.3 µg/M ³	80 µg/M ³
04	Nitrogen dioxide	IS 5182 Part 06 1975	1.1 µg/M ³	80 µg/M ³

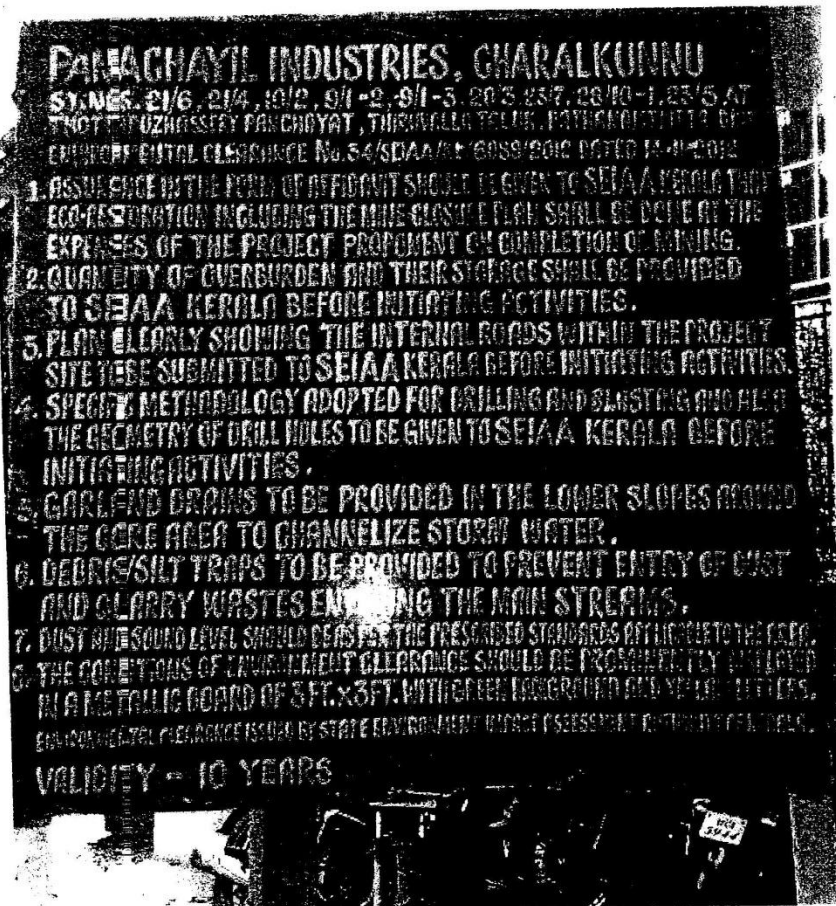
The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory	For and on behalf of POLUCHEM LABORATORIES (P) LTD.
	 AUTHORIZED SIGNATORY

Analysis of Ambient air, Stack emission, Noise, Light, Water, Waste water / Effluent, Soil
 Tea, Spices, Oil, Fertilisers, Basic Chemicals etc; Pesticide Residue, Heavy Metals, Microbiology

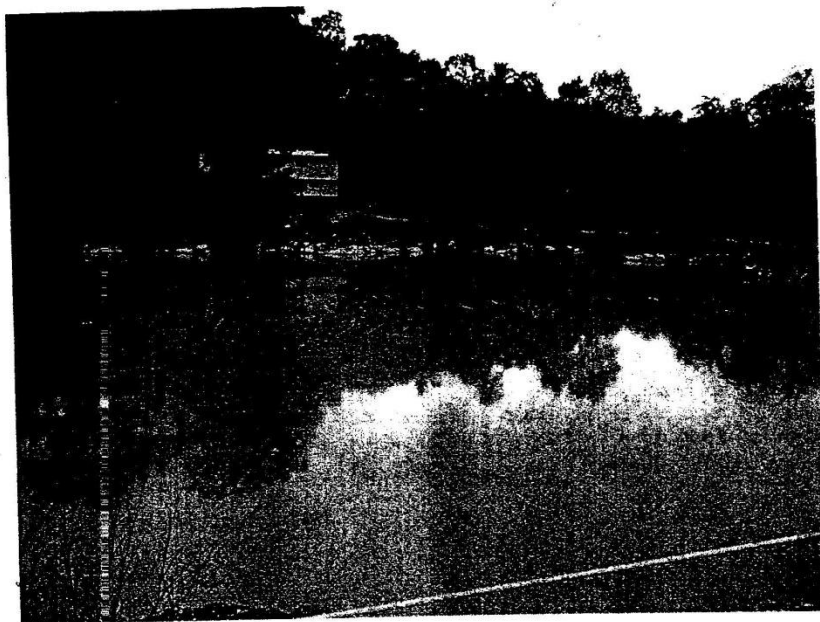
COMPLIANCE REPORT, JAN – JUNE, 2013

ANNEXURE NO. 9

	PARAMETERS	VALUE FROM SITE	STANDARD LIMITS AS PER ENVIRONMENT(PROTECTION RULES, 1986
1	Particulate Matter PM ₂₅	26.5 ug/M ³	60 ug/M ³
2	Particulate Matter PM ₁₀	51.6 ug/M ³	100 ug/M ³
3	Sulphur dioxide SO ₂	2.3 ug/M ³	80 ug/M ³
4	Nitrogen dioxide NO _x	1.1 ug/M ³	80 ug/M ³



ANNEXURE NO. A




ANNEXURE NO. B



ANNEXURE NO. B



COMPLIANCE REPORT, JAN - JUNE, 2013

*


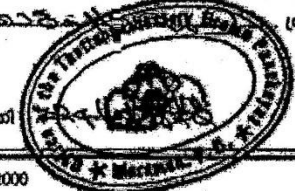
നമ്പർ C-2-315/2012 അടങ്കനുള്ളതുകൾ (ഗ്രാമ പഞ്ചായത്ത്)

1994 ലെ മേ-രളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതേ തുടർനടപടികൾ ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത

ലൈസൻസ്

ലൈസൻസുകൾക്കുവേണ്ടി പേരും അതിനടിയിലുള്ളതും	മോണിറ്റർ ചാർജ്ജ് നൽകി ചാർജ്ജ് ഉൾപ്പെടെയുള്ള കരാർ വാഗ്ദാനം P.O.
എന്തൊരു വകുപ്പിന്റെ ലൈസൻസ് അനുവദിച്ചു എന്ന്	മുദ്രാദായ ഹെൽപ്പ് ഓഫീസ് ഉപയോഗിച്ച് ചാർജ്ജ് നൽകി. - 100 രൂപ - നൽകി. ചാർജ്ജ് നൽകി. - 100 രൂപ - നൽകി.
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	II / 170 (മുദ്രാദായ ഓഫീസ് II)
ലൈസൻസിന്റെ കാലാവധി	01-04-2012 നു 31-03-2017 (5-4-2012)
ലൈസൻസ് ഫീസ്	119700 രൂപ — പൈസ 119700
റിമാർക്സ്	I - 115700 / ചാർജ്ജ് നമ്പർ. No. 19/67984 24/3/12 II - 4000 ചാർജ്ജ് നമ്പർ. No. 24/67984 24/3/12

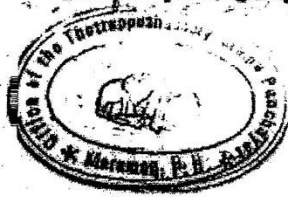
അടങ്കനുള്ളതുകൾ (ഗ്രാമ പഞ്ചായത്ത്)

തീയതി:  24/3/12 24/3/12

(Signature) 24/3/12

GLM -34 K / 2000

စာအုပ်အမျိုးအစားအရ အသုံးပြုသည့် အချက်အလက်များ

[illegible]

SECRETARY
ATTAPPUZHASSETT NAMMA PANCHAYAT

COMPLIANCE REPORT, JAN - JUNE, 2013

നമ്പർ 22-182-13 തീയതി 4/5/2013 ഗ്രാമ പഞ്ചായത്ത്

1994 ലെ മോശമാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതോടനുബന്ധിച്ചു നടപടിയെടുക്കേണ്ടതും

ലൈസൻസ്

ലൈസൻസുള്ളവർക്കായി അപേക്ഷിക്കേണ്ടതും	മാണിക്യം പാർട്ടിക്ക് പിന്നാലിൽ ജനറലിൽ മോട്ടോർ വാഹനം P.O.
എന്തൊരു വാഹനത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	124 Hp യുടെ ഹാൻഡ് മോട്ടോർ പിന്നാലിൽ (62 Hp x 2 Nos.)
ലൈസൻസിന്റെ നമ്പരും വാഹന നമ്പരും	Survey Number - As per Lease Agreement
ലൈസൻസിന്റെ കാലാവധി	30/07/2013 to 31/3/2014
ലൈസൻസ് ഫീസ്	2000/- രൂപ - പൈസ (ഒരു ലക്ഷം രൂപ)
റിമേർക്കുകൾ	ലൈസൻസിന്റെ പാർട്ടിക്ക് മാണിക്യം പാർട്ടിക്ക്, പാർട്ടിക്ക് പിന്നാലിൽ മാണിക്യം പാർട്ടിക്ക് പിന്നാലിൽ പാർട്ടിക്ക്

19/3/13

SECRETARY
MATTAPPZHASSERY GRAMA PANCHAYAT

കേരള-പുരസ്കാരം നൽകുന്ന ചുവന്ന കിരീടം അനുസരിക്കേണ്ട ചട്ടങ്ങൾ

[illegible]

SECRETARY
SHATTAPPUZHESERY GRAMA PANCHAYAT

ANNEXURE C2

FILE NO. - PCB/HO/PTA/ICO/399/2012



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO OPERATE

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974
The Air (Prevention & Control of Pollution) Act, 1981
&
The Environment (Protection) Act, 1986

TO

Consent No. PCB/HO/PTA/ICE/02/2012

**✓ SHRI ABY MATHEW
PALLIAMBIL HOUSE
WEST OTHERA P. O.
THIRUVALLA – 689551**

**(For Panachayil Industries, Kolabhagom P.O.,
Thadlyoor, Pathanamthitta)**

Date of Issue: 15.10.2012 Valid upto: 30.06.2015

Copy to:

1. The Chief Environmental Engineer, Regional Office, Thiruvananthapuram
2. The Environmental Engineer, District Office, Pathanamthitta.
3. The Secretary, Thottappuzhassery Grama Panchayat.
4. Stock File

COMPLIANCE REPORT, JAN – JUNE, 2013

2. GENERAL CONDITIONS

- 2.1 This consent is renewed subject to the power of the Board to review and make variation in or revoke the conditions as the Board deems fit as per the relevant Acts / Rules
- 2.2 This consent, unless withdrawn earlier and subject to condition no. 2.1, shall be valid upto 30.06.2015. For renewal of the integrated consent, application in the prescribed form shall be submitted to the Board in the third month before expiry of the consent.
- 2.3 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.

3. CONDITIONS AS PER Water (Prevention & Control of Pollution) Act, 1974

- 3.1. There shall not be any discharge of trade effluent from the unit.
- 3.2. Water meter shall be installed to measure consumption of water.
- 3.3. Sewage effluent shall be treated in septic tanks and treated effluent shall be dispensed through soak pits with concreted bottom, honeycomb wall and 60 cm thick 2 mm sand envelope around that.
- 3.4. Arrangements for rainwater harvesting and for utilisation of harvested rain water shall be maintained.

4. CONDITIONS AS PER Air (Prevention & Control of Pollution) Act, 1986

- 4.1 The DG sets shall be acoustically protected. The minimum height of chimneys for venting emissions from DG sets shall be 0.2 $\sqrt{\text{KVA}}$ m, where KVA is the capacity of DG set. If more than one DG set is placed in a single cabin, total capacity of DG sets in the location shall be considered for finding out the minimum required height of chimney.
- 4.2 In order to prevent and control air pollution the following control measures shall be in position while operating the crusher industry.
 - a. Crushers, classifiers, screens and other noise and / or dust producing units housed in buildings with solid wall (not hollow bricks) of minimum 23 cm thickness shall be maintained.
 - b. Dust suppression system with water sprays and sprinklers provided should be operated satisfactorily.
 - c. Dust extraction and collection system provided at crushers, transfer points, screens etc shall be operated.
 - d. Water storage facility of at least 2 days capacity provided shall be maintained.
 - e. Facility provided for regular cleaning and wetting of ground shall be maintained.
 - f. Suitable species of trees and curtain plants of suitable species shall be maintained and improved with planting trees to develop a green belt within and along the boundary of the premises.
 - g. The raw materials & products shall be transported with proper cover or with adequate measures to prevent spreading of dust during transportation.
 - h. All operations likely to produce dust, odour or noise shall be carried out within closed premises.

COMPLIANCE REPORT, JAN – JUNE, 2013

ANNEXURE C3

FILE NO. - PCB/PTA/ICO/QR-24/07

Date of issue: 06/12/2012



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

CONSENT TO OPERATE (Renewal)

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),
Kolahhagam.P.O,
Thadiyoor,
Pathanamthitta. Dist.**

CONSENT NC: QCO/PTA/14/R/2012

VALID UP TO: 30/06/2015



COMPLIANCE REPORT, JAN - JUNE, 2013

1. GENERAL

1	VALIDITY:-	30/06/2015
	Date of Commissioning:-	1995
2	Name and address of establishment	M/s. Panachayil Industries (Quarry), Kolabhagam.P.O., Thadlyoor, Pathanamthitta. Dist.
3	Communication	Telephone : 0469 - 2743800 Fax : e-mail : mail@poabs.com
4	Occupier details	Sri. Aby Mathew, Managing Partner, Panachayil House, West Othara P.O., Thiruvalla
5	Survey Number	3/5, 11/2, 11/4, 12/2, 12/3, 12/6, 12/5, 3/6, 3/8, 11/3, 15/7pt, 15/9pt, 15/15, 16/5, 21/5, 21/6pt, 10/3-1, 10/2-1, 10/4, 16/2, 16/4, 16/4-1, 16/3, 17/8, 18/1.
6	Village	Thottappuzhassery
7	Taluk	Thiruvalla
8	District	Pathanamthitta
9	Panchayat:	Thottappuzhassery
	Ward No:	1
10	Category	RED
11	Scale	Medium
12	Fee Slab / Fee remitted	Rs. 12000/year Rs.36000/-
13	Capital Investment	56.92 Lakhs -
14	Total Water consumption:- Water meter installed for:-	NIL
15	Previous Consent	QCO/PTA/14/R1/2009 dated. 17.04.2003 valid up to 30/06/2012
16	Machinery details	1.Compressor : 62HP each 2no 2. Jack Hammer : 5no 3.Tractor Compressor : 2no 4. Braker : 125 HP - 1no 5.Excavator : 135HP - 3nos 6.D.G.Set 125kVA - 1no
	PRODUCTS	Gravelly Rubble: 3640MT/day

COMPLIANCE REPORT, JAN – JUNE, 2013

- 2.17. Air compressors used for quarrying shall be acoustically enclosed to control the noise.
- 2.18. Noise creating activities such as drilling, blasting, breaking loading etc shall not be done during night time (6pm – 6am)
- 2.19. Blasting shall be done at specified time with prior signals.

3. ADDITIONAL CONDITIONS

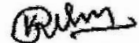

- 3.1. No other machineries shall be operated without prior Consent of the Board.
- 3.2. Quarrying operations shall be started only after obtaining the D & O License under the Kerala Panchayat Raj Act from the concerned Local Self Government Institution and submitting a copy of the same to the concerned District Office of the Board.
- 3.3. E-waste shall be disposed of in an environmentally sound manner.

The following details shall be submitted to the Board on or before 31st December every year.

Sl No	Particulars of e-waste	Quantity of e-waste disposed in previous year	Quantity of e-waste proposed to be disposed in current year	Mode of disposal

- 3.4. Clearance certificate from the Environment Department shall be obtained.
- 3.5. Adequate fire fighting equipment in accordance with the fire safety regulations shall be installed in the unit.
- 3.6. The applicant shall put up a sign board of size 6x4ft near the main entrance of the unit. One board shall display consent no. with validity & conditions 1.2, 1.16.

OFFICE SEAL


SIGNATURE & SEAL OF
ISSUING AUTHORITY

K. RAJENDRA BABU

Copy to:-

- (1) The Chief, Env'tl. Engineer, R.O, TVM.
(2) Stock file.

COMPLIANCE REPORT, JAN – JUNE, 2013

2. GENERAL CONDITIONS

- 2.1 This consent is granted subject to the power of the Board to review and made variation in or revise the conditions as the Board deems fit.
- 2.2 For renewal of consent application in the prescribed form shall be submitted to the Board before 31/03/2015 along with this consent.
Late applications will be accepted only with a fine/late fee as per norms.
- 2.3 No change, deviation or alteration that may affect the quality or location of discharge of effluent is to be made without prior written permission of the Board. Any change in particulars furnished in the application and/or in the identity of the occupier/authorised agent is to be intimated to the Board forthwith.
- 2.4 The consent issued is subject to conditions specified in the clearances issued by the Mining & Geology Department and Explosive Department as per the provisions of the relevant statutes.
- 2.5 Suitable species of trees and certain plants shall be planted and maintained within and along the periphery of the area, forming a green belt to improve the environment.
- 2.6. There shall be minimum distance of 100m from boundary of quarry operating area to residential buildings, place of worship, Public buildings, public road having vehicular traffic, river or lake, railway line, bridges etc.
- 2.7 Quarrying shall be only within the area confirmed within the fencing with G.I.wire and the fencing shall be maintained always.
- 2.8 Boundary shall be fenced before operation of quarrying activities.
- 2.9 Blasting with electric Detonators shall be limited to a maximum of 5nos at a time.
- 2.10 Only bench cutting method shall be adopted for quarrying.
- 2.11 Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighbouring land or building or posing damage to health, life or property.
- 2.12 Sound level at 1m outside the boundary of the quarry shall be 55 dB (A) Leq, max.
- 2.13 Suspended particulate matter (dust) level at boundary shall be 200µg/m³ max and respirable particulate matter shall be 100µg/m³, max.
- 2.14 After completion of excavation at any site, the abandoned quarry shall be utilized for rain water harvesting with protective barriers/ any other suitable approved purpose or may be reclaimed as per specification.
- 2.15 Proper fencing/barriers shall be provided and maintained all around the abandoned deep quarry pits to avoid accidents.
- 2.16 Mining below normal water table by continuous pumping shall be avoided in summer period (March, April & May) to prevent drinking water shortage in that area.

COMPLIANCE REPORT, JAN - JUNE, 2013

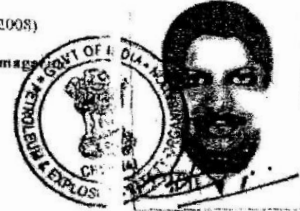
Page 1 of 1

LICENCE FORM III A

Explosives Act 1964 (Part I of Schedule IV of Explosives Rules, 2008)

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

Licence No.: E/SCKL/22/150(E113-5)
Annual Fee Rs.2000/-



- Licence is hereby granted to: **Shri. BINU K. MATHEW, M/s. PANACHAYIL INDUSTRIES (Occupier: BINU. K. MATHEW)**
WEST OTHERA Post, TIRUVALLA, Town/Village - WEST OTHERA
District-PATHANAMTHITTA, State-Kerala, Pincode - 689551
- Status of licensee: Company
- Licence is valid only for the following purpose: possess for use of Nitrate Mixture, Safety Fuse, Electric and/or Ordinary Detonators.
- (a) Licence 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	6,1	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 licence under article 3(b) and (c)): 20 times as above.

- The licensed premises shall conform to the following drawing(s):
Drawing No: E/SCKL/22/150(E11315) dated: 17/12/1992
- The licensed premises are situated at following address:
Survey No(s). 163/1A-1, Town/Village: Thottapuzhacherry, Thiruvalla taluk
Police Station: PATHANAMTHITTA District: PATHANAMTHITTA State: Kerala
PinCode: Phone: E-Mail: Fax:
- The licensed premises consist of following facilities: PORTABLE MAGAZINES B & S TYPE
- The licence is granted subject to the provision of Explosives Act 1964 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 licence signed by the licensing authority.
(3) Distance Form DE-2
- This licence shall remain valid till 31st day of March 1994

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

The Date: 17/12/1992

[Signature]
Joint Chief Controller of Explosives
South Circle, Chennai

Amendments:

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 23/05/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 01/08/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated: 04/10/2012

Endorsement for renewal of licence:

Date of Renewal	Date of Expiry	Signature of licensing authority
18/05/2009	31/03/2015	Sd/- Dy. Chief Controller of Explosives, Ernakulam

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

<http://10.0.1.11/In-Exp/ExplosivesLicenceLE3.asp>

10/4/2012

COMPLIANCE REPORT, JAN – JUNE, 2013

ANNEXURE C4

Covering Letter

Page 1 of 1



GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly Department of Explosives)
No. 140, Rukmini Lakshmi Road,
Marshall's Road, L. P. More, Chennai - 600008
Tele: 28514848 Fax: 28514848
Email: jicccchennai@explosives.gov.in

No.: E/SC/KL/22/150(E11315)

Dated: 04/10/2012

To:
SRI L. BINU K. MATHEW, PANACHAYIL INDUSTRIES,
WEST OTHERA P.O., THIRUVALLA, Town/Village - WEST OTHERA
District - PATHANAMTHITTA, State - Kerala, Pincode - 689551

Subject: Possession For Use of Explosives from magazine situated at Survey No(s): 163/1A3, Thottapuzhacherry, Thiruvalla
Taluk, Dist. PATHANAMTHITTA, Kerala - Licence No.: E/SC/KL/22/150(E11315) granted in Form LE-3 of
Explosives Rules, 2008.
Amendment of Quantity of Explosives/Monthly Purchase Limit.

Sir(s),

Please refer to your letter No. x dated 17/09/2012 on the subject cited above.

The Licence No.: E/SC/KL/22/150(E11315) is duly amended in respect of:

and forwarded herewith:

Quantity of Explosives/Monthly Purchase Limit

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below:

No	Explosive(s)	Class	Div	Sub Div	Capacity	Unit
1	Nitrate Mixture	2	0	0	250	Kg.
2	Safety Fuse	6	1	0	5000	Mts
3	Electric and/or Ordinary Detonators	6	3	0	5000	Nos.

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

This Licence shall remain valid till 31st day of March 2015.

An amount of Rs. 580/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

For further renewal of licence, please follow the procedure under Rule 112 of Explosives Rules, 2008.
Receipt of this letter may please be acknowledged.

Enclosure:

Yours faithfully,
(C. Shanmugam)
Controller of Explosives
For Joint Chief Controller of Explosives
South Circle, Chennai

Copy Forwarded to:

1. The Dy. Chief Controller of Explosives, Kochi.
2. District Magistrate, PATHANAMTHITTA, Kerala with reference to his No. K.DIS.33642/92 Dated: 23/10/1992.
3. Superintendent of Police, PATHANAMTHITTA, Kerala

For Joint Chief Controller of Explosives
South Circle, Chennai

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

<http://10.0.1.11/IntExp/AmdCoveringLetterNew.asp>

10/4/2012

COMPLIANCE REPORT, JAN – JUNE, 2013

Page 1 of 1

Form D1-3
(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the Licence)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/KL/22/IS(E11315) in Form D1-3 granted to Shri.BINUK.MATHEW.M/s.PANACHAYIL INDUSTRIES, WEST MOTHERA Post, TIRUVALLA, Kerala

Type of Structure(s)	Safety distances meters	
Inside Safety Distances(ISD)		
	M	UM
1 Room or Workshop used in Connection with the Magazine	16	24
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		45
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, Spirit, gas, or other inflammable or hazardous substances		68
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		68
28 Electric Power over head Transmission Lines Below 440V		15

The Date : 17/12/ 992

For Joint Chief Controller of Explosives
South Circle, Chennai

<http://10.0.1.11/IntExp/Form18.asp>

10/4/2012

Page 38

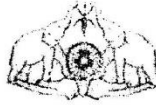
ANNEXURE D2

TRAVANCORE

THE NEW INDIAN EXPRESS
KOCHI MONDAY 24 DECEMBER 1990

[illegible]

ANNEXURE E



തോട്ടപ്പുഴ ജില്ലയിൽ ഗ്രാമപഞ്ചായത്ത് ആഫീസ്

പ്രസിഡൻ്റ്

സെക്രട്ടറി / പ്രസിഡൻ്റ്

സെക്രട്ടറിയറ്റ്

മാമാങ്ങൻ പി.ഒ.

പന്തലംമുക്ക് ജില്ല - 689 549

ഫോൺ : 0468 - 2214387

E-mail: tpsry1@gmail.com

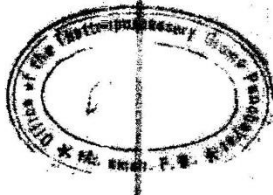
തീയതി 10/10/2012

വിഷയം :-

സൂചന :-

Receipt

Received Copy of order no. 34/SE/AA/PL/
6089/2012 dt. 14.11.2012 of
Member Secretary SEIAA Kerala, Bangalore
Environmental clearance under EIA
1986 Act 2006 for quarry project
at Thottapuzha, Gramapanchayat
by M/s Panachayil Industries.



10/10/12

SECRETARY
THOTTAPUZHA GRAMA PANCHAYAT