POABS ENTERPRISES PVT.LTD.
Kollayil P.O., Chithara, Kollam District, Kerala. India - 691 541.
Phone: + 91- 474 3294866
Email : ctra@poabs.in Website : www.msand.in

**The Director, DoECC & Secretary SEAC Kerala**
Devi Kripa, Pallimukku , Pettah P.O,
Thiruvananthapuram
Kerala – 695024.

**19- 03- 2014**

**Sub: Environmental Clearance – Proposed quarry project Sy. Nos. 266/15, 266/24, 266/16-1, 266/16-2, 271/7-1, 271/7-2, 271/7-3, 272/5, 267/5, 268/2-1, 268/2-2, 268/3-2-1, 268/3-2-2, 268/5-2, 268/6, 268/7, 269/9-2, 268/8-1, 268/8-2, 268/4, 268/4-2, 268/4-3, 271/4 & 271/5, Chithara Village & Panchayat, Kottarakkara Taluk, Kollam District, Kerala – Compliance report – Reg.**

**Ref: File No. 35/SEIAA/KL/6090/2012**

**Respected Sir,**

Our quarry project was accorded with Environmental Clearance vide order No. 35/SEIAA/KL/6090/2012 dated 14-11-2012. The compliance report to the specific and general conditions of the Environmental Clearance is enclosed.

Thanking you,

Yours respectfully,
**POABS Enterprises Pvt. Ltd**

**Thomas Jacob**
**(Managing Director)**

Copy to:

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

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 35/SEIAA/KL/6090/2012

DT. 14 – 11 – 2012

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

PROPOSED QUARRY PROJECT

AT

Sy.Nos. 266/15, 266/24, 266/16-1, 266/16-2, 271/7-1, 271/7-2, 271/7-3, 272/5, 267/5, 268/2-1, 268/2-2, 268/3-2-1, 268/3-2-2, 268/5-2, 268/6, 268/7, 269/9-2, 268/8-1, 268/8-2, 268/4, 268/4-2, 268/4-3, 271/4 & 271/5

CHITHARA VILLAGE & PANCHAYAT, KOTTARAKKARA TALUK, KOLLAM DISTRICT, KERALA

BY

POABS ENTERPRISES PRIVATE LIMITED

KOLLAI P.O.CHITARA, KOLLAM, KERALA

(JANUARY-JUNE-2013)

INTRODUCTION

M/s Poabs enterprises Pvt. Ltd. is a stone quarry situated at Sy.Nos. 266/15, 266/24, 266/16-1, 266/16-2, 271/7-1, 271/7-2, 271/7-3, 272/5, 267/5, 268/2-1, 268/2-2, 268/3-2-1, 268/3-2-2, 268/5-2, 268/6, 268/7, 269/9-2, 268/8-1, 268/8-2, 268/4, 268/4-2, 268/4-3, 271/4, 271/5, Chithara village, Kottarakkara Taluk, Kollayil P.O, Kollam District, Kerala. The quarry project was accorded with the environmental clearance by state Environmental Impact Assessment Authority on 14-12-2012. Six monthly compliance reports to the conditions of the environmental clearance are to be submitted as part of compliance. The compliance report to the specific 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 that eco-restoration including the mine closure plan shall be done at our expenses. The copy of the same is provided at Annexure No.1. After the closure of the mine, ten percent of the excavated pit area will retained as water storage area. It is proposed 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 be planted in the areas prone to erosion especially at the foot of the hill.

- Condition 2)

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

Compliance:

Quantity of overburden and their storage are already provided to SEIAA Kerala. The quantity of overburden including topsoil is estimated to be 21,454$m^3$. For the estimation of overburden and top soil, four pits were excavated in different locations of the project area using JCB and measure the height of the overburden and top soil

in meter. Quantity of overburden and top soil of the total project area were estimated from the measured heights of top soil and overburden. Details of the heights and quantity of top soil and overburden are as follows.

| Soil layers | Heights of top soil in different pits (Meter) | | | | |
|---|---|---|---|---|---|
| | Pit 1 | Pit 2 | Pit 3 | Pit 4 | Average |
| Top soil | 0.5108 | 0.5212 | 0.5006 | 0.5106 | 0.5108 |

Quantity of top soil – 21,454$m^3$

The excavated top soil is stored separately in a prefixed location and the stored soil is stabilized by planting grasses and herbs on them. List of plant species used for the stabilization of topsoil and disturbed areas are as follows.

| Sl. No | Botanical Name | Common Name | Family | Distribution | Status | Number planted |
|---|---|---|---|---|---|---|
| 1 | *Axonopus compressus* (Sw.) P.Beauv. | Kaalappullu/Carpet Grass | Poaceae | Tropics and subtropics | | 250 |
| 2 | *Cymbopogon cintratus* | Vetiver/Ramacham | Poaceae | | | 120 |

The photographs showing top soil 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:

There is about 0.70km of roads having 7.0m width is present inside the total land area. Internal road system is maintained well. Sides of the road system not having natural vegetation are planted with indigenous plant species. Details of the plant species planted along the road sides are given below

| Sl. No | Botanical Name | Common Name | Family | Distribution | Status | Number of sapling planted |
|---|---|---|---|---|---|---|
| 1 | Mangifera indica L. | Mavu | Anacardiaceae | Evergreen and semi-evergreen | Indo-Malaysia | 40 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | forests and also widely cultivated | | |
| 2 | Terminalia catappa L. | Badam | Combretaceae | Plains, Cultivated | Malesia to North Australia and Polynesia, Commonly planted in the tropics | 25 |

The map 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:

The excavation of the mineral is proposed by excavators. The mineral is fractured and easily exploit by rock breakers and excavators. The hard strata are proposed to excavate after drilling and blasting. The specific methodology adopted for drilling, blasting and the geometry of drill holes 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:

Garland drains are provided in the lower slopes of the core area to channelize the storm water and the photographs of the same is provided at Annexure No.5. De-siltation traps are present in the storm water channels, which will arrest the passage of debris and silt from quarry silt either entering the rain water harvesting area or to the main streams.

- Condition 6)

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

Compliance:

De-siltation traps are provided in the storm water channels, which will arrest the passage of debris and silt from quarry site entering the main streams. Debris and silt from the trap were 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:

The dust and sound levels are monitored through an NABL accredited laboratory (Polluchem Laboratories (P) LTD) during the quarry in operation and the monitored results are well within the standards applicable. Average Ambient Sound Level in day and night time are 46.6dB and 38.2dB respectively. Value of Particulate matters $PM_{10}$ and $PM_{2.5}$ are 62.3µg/$M^3$ and 34.83µg/$M^3$ correspondingly. Sulphur dioxide and Nitrogen dioxide values in the air are 3.2µg/$M^3$ and 2.1µg/$M^3$ respectively. 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 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 fond size of not less than 40 is installed. The photograph of the display board is provided at Annexure No. 9.

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:

A well structured rainwater harvesting system is maintained in the project area. Harvesting system consists of 3 concrete wells each having the capacity of 35350 liters and two harvesting tanks constructed with stone masonry wall having the capacity of 180000 liters each. Details of the rainwater harvesting system are as follows.

| Sl. No. | Type | Length (m) | Width (m) | Height (m) | Diameter (m) | Capacity (L) |
|---|---|---|---|---|---|---|
| 1 | Tank constructed with stone masonry wall 1 | 15 | 12 | 1 | - | 180000 |
| 2 | Tank constructed with stone masonry wall 2 | 15 | 8 | 1.5 | - | 180000 |
| 3 | Concrete wells 1 | - | - | 5 | 3 | 35350 |
| 4 | Concrete wells 2 | - | - | 5 | 3 | 35350 |
| 5 | Concrete wells 3 | - | - | 5 | 3 | 35350 |

Most of the storm water from the study area is channelized in to the rainwater harvesting system and the photograph of the rainwater harvesting system as enclosed as Annexure No. A.

- Condition ii)

Environment monitoring cell should be formed and made functional.

Compliance:

An environmental monitoring cell was formed with Mr. Joseph Jacob (Managing Director of the Company) as head of the monitoring cell and made functional. Meeting of monitoring cell is arranged monthly and discus 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 Director of the Company) | Mr. Joseph Jacob |
| 2 | Head in charge (Environment) | Mr. VT Thomas |
| 2 | Senior Environmental Officer | Mr. Rinoy Varghese |
| 3 | Environmental Officer | Mr. Navin Xavier |
| 4 | Name of the environmental officer | Mr. Mahesh C.T |

| | | |
|---|---|---|
| | in charge at Site | |
| 5 | Name of the officer of Environment, Health and safety at Site | Mr. Rajesh. K. |
| 6 | Name of the Asst. officer of Environment, Health and safety at Site | Mr. Manoharan. S. |
| 7 | Name of the environmental consultant | M/s Enkay Enviro Services Pvt. Ltd. & 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:

There is a natural vegetation including trees, shrub and herbs are present in the sides of tarred road and parking areas. We planted the area with less vegetation with trees shrubs etc. and a nursery is maintaining for further plantations. Photographs showing the same is provided at Annexure No. B. Details of the tree species planted as follows

| Sl No. | Scientific Name | Common Name | Family |
|---|---|---|---|
| 1 | *Albizia saman* (Jacq.) Merr. | Rain Tree/ Mazhamaram | Fabaceae |
| 2 | *Cassia fistula* L. | Indian Laburnum/ Kanikkonna | Fabaceae |
| 3 | *Mangifera indica* L. | Mango tree/ Mavu | Anacardiaceae |
| 4 | *Mimusops elengi* L. | Spanish Cherry/ Elanji | Sapotaceae |
| 5 | *Phyllanthus emblica* L. | Indian Gooseberry/ Nelli | Phyllanthaceae |
| 6 | *Syzygium cumini* (L.) Skeels | Black Plum | Myrtaceae |

- Condition iv)

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

Compliance:

Solar Energy device and biogas plant are installed in the project area. Solar and biogas devises are associated with canteen and is used for lights and kitchen purposes.

- 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 class1, 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 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 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 at SEIAA Kerala. . The copy of the advertisement is provided at Annexure No. D1 & D2. Details of the news paper advertisements are given below.

| Sl. No. | Annexure | Name of the News paper and edition | Dated |
|---|---|---|---|
| 1 | D1 | Times of India (Thiruvanathapuram, Kollam) | 23/12/2012 |
| 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 enclosed 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:

The first compliance report is being submitted to Department of Environment and Climate change, Govt. of India both in hard copy as well as mail.

- 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 is enclosed as Annexure No. F

**ANNEXURE 1**

കേരളം केरल KERALA AH 236965

## AFFIDAVIT

I, Thomas Jacob, Director & authorized signatory of M/s POABS Enterprises Pvt. Ltd. having its correspondence office at Kollai P.O., Chithara Village, Kollam, Kerala-691541 do hereby affirm and confirm as follows:-

1. That, M/s. POABS Enterprises Pvt. Ltd. running a Quarry Project at Survey Nos. 266/15, 266/24, 266/16-1, 266/16-2, 271/7-1, 271/7-2, 271/7-3, 272/5, 267/5, 268/2-1, 268/2-2, 268/3-2-1, 268/3-2-2, 268/5-2, 268/6, 268/7, 269/9-2, 268/8-1, 268/8-2, 268/4, 268/4-2, 268/4-3, 271/4 & 271/5, at Chithara Village & Panchayat, Kottarakkara Taluk, Kollam 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:** Tiruvalla
**Date:** 19.03.2014

*Solemnly affirmed and signed before me by the deponent who is personally known to me in my office at Thiruvalla on this the 19th day of March 2014*

DEPONENT

A. P. Gokulachandran, Reg. Thiruvalla SPECIAL ADHESIVE Municipality Reg. No. 13/97 FIA NOTARY GOVT. OF KERALA

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

Thomas Jacob
Director
M/s poabs Enterprises pvt. Ltd
kollai p.o.,
Pin - 691541

P. KRISHNAN KUTTY NAIR
THIRUVALLA VENDOR

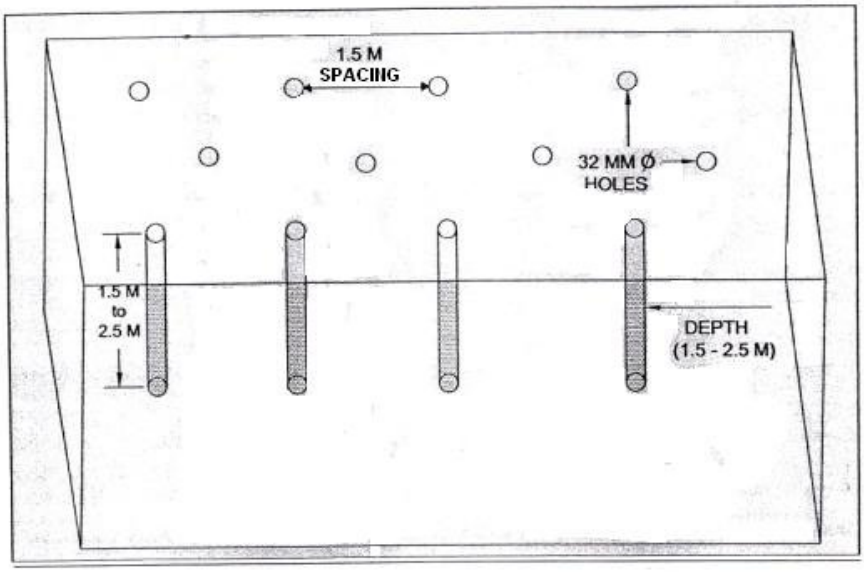
ANNEXURE NO. 2

**Photographs showing top soil storage area**

**Photographs showing planted grasses in the area where topsoil removed**

### 2.6.5 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:-




**Salient features of drilling**

- About 30 to 50 holes per blast of 32 mm dia and to a depth of 2 to 2.5 m 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 250 g 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.

### 2.6.6 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.

#### 2.6.6.1 BLASTING SAFEGUARD

- Blasting in the open cast pits 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.

ANNEXURE NO. 5

**Photographs showing garland drains to channelize storm water**

ANNEXURE NO. 6

**Photographs showing storm water channels with de–siltation trap model of construction**

**ANNEXURE 7**

**POLUCHEM LABORATORIES (P) LTD.**
ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY
PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM -683 104
NABL ACCREDITED PHONE: 0484 - 3261174, 2544030, E-mail: poluchem@gmail.com
Certificate No: T-1658
'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD AND ACCREDITED BY NABL

## TEST REPORT

| Client Name & Address | | |
|---|---|---|
| M/s Poabs Enterprises Pvt. Ltd Kottarakkara,Kollam | Certificate No: | PL/EW/RT/15/2013 |
| | Date of issue: | 22/10/2013 |
| | Date of monitoring | 09/10/2013 15.00 Hrs to10/10/2013 15.00 Hrs |
| | Date of sample received: | 11/10/2013 |
| | Date of analysis | 11/10/2013 |
| | Monitoring Location | M/s. Poabs Enterprises Pvt Ltd.Sy.No.266/15,266/24,266/16-1,266/16-2,271/7-1,271/7-2,271/7-3,272/5,267/5,268/2-1,268/2-2,268/3-2-1,268/3-2-2,268/5-2,268/6,268/7,269/9-2,268/8-1,268/8-2,268/4,268/4-2,268/4-3,271/4,271/5 Chithara Village&Panchayath,.Kottarakara Taluk, KollamDist.,Kerala |
| | Sample description | Ambient air – Near east side boundary |
| | Sample code given by client | Nil |
| | Sample identification No: | G/J/15/13 |

| SL NO | PARAMETERS | TEST METHOD | RESULTS | LIMITS |
|---|---|---|---|---|
| 01 | **Particulate Matter ($PM_{10}$)** | I S 5182 Part 4 1999 | 62.3 µg/$M^3$ | 100 µg/$M^3$ |
| 02 | Particulate Matter ($PM_{2.5}$) | CPCB | 34.8µg/$M^3$ | 60 µg/$M^3$ |
| 03 | Sulphur dioxide | I S 5182 Part 2 2001 | 3.2 µg/$M^3$ | 80 µg/$M^3$ |
| 04 | Nitrogen dioxide | IS 5182 Part 06 1975 | 2.1 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.

SREEJA RAMESH
Technical Manager
AUTHORIZED SIGNATORY

**ANNEXURE 8**

**POLUCHEM LABORATORIES (P) LTD.**
ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY
PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM -683 104
PHONE: 0484 - 3261174, 2544030, E-mail: poluchem@gmail.com

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

## TEST REPORT

| | | |
|---|---|---|
| Client Name & Address | Certificate No: | PL/SD/RT/4152/2013 |
| M/s Poabs Enterprises Pvt. Ltd Kottarakkara,Kollam | Date of issue: | 22/10/2013 |
| | Date of monitoring | 09/10/2013 15.00 Hrs to 10/10/2013 15.00 Hrs |
| | Monitoring Location | M/s. Poabs Enterprises Pvt Ltd.Sy.No.266/15,266/24,266/16-1,266/16-2,271/7-1,271/7-2,271/7-3,272/5,267/5,268/2-1,268/2-2,268/3-2-1,268/3-2-2,268/5-2,268/6,268/7,269/9-2,268/8-1,268/8-2,268/4,268/4-2,268/4-3,271/4,271/5 Chithara Village&Panchayath, Kottarakara Taluk, KollamDist.,Kerala |
| | Sample Description | Ambient Sound Level (Leq) |

| Monitoring Location | Time | Results |
|---|---|---|
| Ambient Sound Level (Near east side boundary) | 15.00 Hrs | 47.9 dB (A) |
| | 16.00 Hrs | 45.7 dB (A) |
| | 17.00 Hrs | 45.9dB (A) |
| | 18.00 Hrs | 42.8 dB (A) |
| | 19.00 Hrs | 42.3 dB (A) |
| | 20.00 Hrs | 40.6 dB (A) |
| | 21.00 Hrs | 39.9 dB (A) |
| | 22.00 Hrs | 39.6 dB (A) |
| | 23.00 Hrs | 38.6 dB (A) |
| | 00.00 Hrs | 38.5 dB (A) |
| | 01.00 Hrs | 38.3 dB (A) |
| | 02.00 Hrs | 38.1 dB (A) |
| | 03.00 Hrs | 38.9 dB (A) |
| | 04.00 Hrs | 39.5 dB (A) |
| | 05.00 Hrs | 39.6 dB (A) |
| | 06.00 Hrs | 40.2 dB (A) |
| | 07.00 Hrs | 42.4 dB (A) |
| | 08.00 Hrs | 42.8 dB (A) |
| | 09.00 Hrs | 48.5 dB (A) |
| | 10.00 Hrs | 50.3 dB (A) |
| | 11.00 Hrs | 51.1 dB (A) |
| | 12.00 Hrs | 50.6dB (A) |
| | 13.00 Hrs | 48.6 dB (A) |
| | 14.00 Hrs | 49.8 dB (A) |
| Leq(Day time) | | 46.6dB (A) |
| Leq(Night time) | | 38.2 dB (A) |

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Technical Manager

Authorized Signatory

ANNEXURE NO. 9

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

ANNEXURE - A

**Photographs showing the rainwater harvesting system in the project area**

ANNEXURE B

**Photographs showing plant nursery to provide plants for the side of the tarred road and open parking areas**

**ANNEXURE C1**

LICENCE FORM LE-3

(See article 3(a) to (d) of Part 1 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/SC/KL/22/1537(E64133)
Annual Fee Rs.2500/-

अनुज्ञप्ति प्रष्ठांकित
LICENCE ENDORSED

उ.मु.वि.नि., एरनाकुलम्
D. C. C. E., Ernakulam

1. Licence is hereby granted to : Shri.JOSEPH JACOB,Managing Director, (Occupier : Joseph Jacob, Managing Director, Poabs Enterprises Pvt Ltd)
M/s. POABS ENTERPRISES PVT LTD., Kuttoor Post,Tiruvalla,, Town/Village - Tiruvalla
District-PATHANAMTHITTA, State-Kerala, Pincode - 689106
2. Status of licensee : **Company**
3. Licence is valid only for the following purpose : possess for use of **Nitrate Mixture, Safety Fuse, Ordinary Detonator, Electric Detonators,**
4. (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 | 300 Kg. |
| 2. | Safety Fuse | 6 ,1 | 0 | 5000 Mtrs |
| 3. | Ordinary Detonator | 6 ,3 | 0 | 2000 Nos. |
| 4. | Electric Detonators | 6 ,3 | 0 | 10000 Nos. |

(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : **10 times as above.**

5. The licensed premises shall conform to the following drawing(s):
**Drawing No : E/SC/KL/22/1537(E64133) dated : 13/02/2013**
6. The licensed premises are situated at following address:
**Survey No. 268/5/2 of Block No.56** , Town/Village : **Chithara(v),Kottarakkara-Taluk** District : **KOLLAM** State : **Kerala**
Police Station : **Kollam** Phone : **04743294866** E-Mail : **mail@poabs.com** Fax :
PinCode : **691541**
7. The licensed premises consist of following facilities : **Type A. magazine-Lobby,HE and Detonator rooms**
8. The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.
(1) 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
9. This licence shall remain valid till **31st day of March 2016**

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.

Joint Chief Controller of Explosives
South Circle, Chennai

The Date 13/02/2013

Endorsement for renewal of licence

| Date of Renewal | Date of Expiry | Signature of licensing authority |
|---|---|---|
| | | |

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

2/15/2013

*GOVERNMENT OF INDIA*
*MINISTRY OF COMMERCE & INDUSTRY*
*PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION(PESO)*
*(Formerly Department of Explosives)*
No.140, Rukmini Laxmipati Road,
Marshalls Road, Egmore, Chennai 600008
Tele: 28514848 Fax: 28514848
Email: jtccechennai@explosives.gov.in

**No.: E/SC/KL/22/1537(E64133)** **Dated:27/06/2013**

*To*
*Shri JOSEPH JACOB,Managing Director.,*
*M/s. POABS ENTERPRISES PVT LTD., Kuttoor Post,Tiruvalla., Town/Village - Tiruvalla*
*District-PATHANAMTHITTA, State-Kerala, Pincode - 689106*

Subject: **Possession for Use of of Explosives from magazine situated at Survey No.:268/5/2 of Block No.56, Chithara (v),Kottarakkara-Taluk, Dist. KOLLAM, Kerala -Licence No.: E/SC/KL/22/1537(E64133) 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 24/06/2013 on the subject cited above

The Licence No. E/SC/KL/22/1537(E64133) is duly amended in respect of .

**Quantity of Explosives/Monthly Purchase Limit**

and forwarded herewith,

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 | 300 | Kg. |
| 2 | Safety Fuse | 6 | 1 | 0 | 5000 | Mtrs |
| 3 | Ordinary Detonator | 6 | 3 | 0 | 2000 | Nos |
| 4 | Electric Detonators | 6 | 3 | 0 | 10000 | 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 2016.**

An amount of **Rs. 500/-** 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.

**Enclosures :**

Yours faithfully,

**(K Sundaresan)**
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, KOLLAM, Kerala with reference to his Noc No: No.D.Dis/55387/11-M7 Dated: 10/12/2012.**
3. **Superintendent of Police, KOLLAM, 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]

**ANNEXURE C2**

Phone: 04[illegible]
Fax: 0474-2762117
E-mail: kspcbkollam@yahoo.com
www.keralapcb.org

# KERALA STATE POLLUTION CONTROL BOARD
കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

DISTRICT OFFICE
ജില്ലാ ഓഫീസ്
USHUS BUILDING, BIG BAZAR, KOLLAM – 691 001
ഉഷസ്സ് ബിൽഡിംഗ്, ബിഗ് ബസാർ, കൊല്ലം - 691 001

Registered with A/D

FILE No. - PCB/KO/CTO/G/280/2013

## INTEGRATED CONSENT TO OPERATE

ISSUED UNDER

Air (Prevention & Control of Pollution) Act, 1981
&
Environment (Protection) Act, 1986.

TO

Consent No: PCB/KO/CTO/F/281/2013

Shri. Joseph Jacob,
Managing Director,
Poab's Enterprises Pvt Ltd,
Chakkamala,
Kolayail P.O,
Chithara

(M/s. Poab's Rock Quarry, Survey no. 266/5, 24,16-1,16-2, 271/7-1,7-2,7-3, 272/5,267/5, 268/2-1,2-2,3-2-1,3-2-2,5-2, 6,7, 4-2, 4-3, Chithara village)

Date of Issue: 12.06.2013 Validity: 31.12.2015

KERALA STATE POLLUTION CONTROL BOARD

Environmental Engineer
Kerala State Pollution Control Board
Kollam - 691 001

**ANNEXURE C3**

നമ്പർ A2-10901/12 (175) ചിതറ ഗ്രാമ പഞ്ചായത്ത്

1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13 )232, 233, 234, 254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത

ലൈസൻസ്

| | |
|---|---|
| ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും | ശ്രീ. ജോസഫ് ജേക്കബ് [illegible] |
| എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന് | [illegible] |
| കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും | CP IX SY NO: 297/2-2-2, 207/2-3 2-4 |
| ലൈസൻസിന്റെ കാലാവധി | 31.03.2013 |
| ലൈസൻസ് ഫീസ് | 24000/- രൂപ ____ പൈസ |
| റിമാർക്സ് | [illegible] |

ചിതറ ഗ്രാമ പഞ്ചായത്ത്

സെക്രട്ടറി

(മുറുവശം)

തീയതി 15/10/2012.

GLM -34 K / 2000

# ANNEXURE D1



# Trouble in a can

Housewife's Death In Aluva Following Burns She Suffered In A Canister

Plast While Burning Waste Highlights Need to Dispose Them With Care

**Last date extended:** The Kerala University has extended the last date to submit applications for admission to MPhil courses for the year 2012-13, till December 31.

**Exam timetable:** The timetable for the fifth semester LLB (three-year), ninth semester LLB (five-year) to begin from January 3 and second semester MSc computer science exam to begin from January 4 at the institute of distance education is available in the website www.keralauniversity.ac.in.

and large sizes. "The Santa caps and masks keep the

white hair for little girls. The price of Santa caps range from Rs 20 to 80.

## NOTICE

This is to inform to the General Public that the proposed quarry project at Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala being developed by M/s Poabs Granite Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 37/SEIAA/KL/6092/2012 dt. 14-12-2012 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

## NOTICE

This is to inform to the General Public that the proposed quarry project at Chithara Village & Panchayat, Kottarakara Taluk, Kollam District, Kerala being developed by M/s Poabs Enterprises Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 35/SEIAA/KL/6090/2012 dt. 14-12-2012 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

# Corp to implement ban sans alterna


- Online Digital Library
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Faculty
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**APPLICATION PROCEDURE**

For application forms & prospectus, send a Demand Draft of Rs.1100/- to IMT-CDL, A-16, Site-3, UPSIDC Industrial Area, Meerut Road, Ghaziabad in favour of IMT-CDL, payable at Delhi. You can also Apply Online at www.imtcdl.ac.in. Forms also available at Information Centres.

E-mail: newadmission@imtcdl.ac.in. Tel: 0120-6744744

1 YEAR PGDM (EXECUTIVE)
Recognized by DEC (Fully Online Mode)

1 YEAR PG DIPL IN CYBER SECU
Recognized by DEC.
For graduates in any disci

MS in CYBER LAW & SECURITY
in collaboration with National Law University (NLU), J
For graduates in any discipline with 50% marks.
To enroll visit our website.

INFORMATION CENTRES: GHAZIABAD (Head Office): 3015465 / 480 / 492 / 493, Delhi (CP): 9711005080, Noida (Sector 22811332, 9830326969, Mumbai (Navi Mumbai): 40809248, 9322677316, Nagpur: 3227228, 9923594888, H Ahmedabad: 9377576768, 9377576769, Bangalore: 32512000, 9845300725, Bhubaneswar: 2436656, 9861061012 Indore: 4056363, 9826222362



A MEDICAL SERVICES CORPORATION LTD
RTMENT OF HEALTH & FAMILY WELFARE, GOVT. OF KERALA)
Head Office : Thycaud, Thiruvananthapuram-14,
ephone No. 0471-2337353, 3045600 FAX No. 0471-3045647),
ntlaldrugs@kmscl.kerala.gov.in, website : www.kmscl.kerala.gov.in

131/2012 Date: 22.12.2012

TENDER NOTICE

IT CONTRACT OF DRUGS


# Controversial win for Juve

**Milan:** Defending champions Juventus scored two stoppage-time goals to snatch a controversial 3-1 win over 10-man Cagliari in Serie A on Friday.

Mirko Vucinic sealed the result following two goals from former Cagliari striker Alessandro Matri — the decisive second after an apparent handball by teammate Arturo Vidal

# Kashyap, Sindhu in maiden GP final

Asheem Mukerji | TNN

**Lucknow:** P Kashyap and PV Sindhu carried Indian hopes into the finals of the Syed Modi India Grand Prix Gold tournament on Saturday. And Sunday will be a big day for both as they play their maiden Grand Prix final at the BBD Academy here on Sunday.

## SYED MODI GRAND PRIX GOLD

India's top player Kashyap had to overcome a tough resistance from Tommy Sugiarto he-

utes of intense battle Sugiarto netted the sh tle trying to dribble, the Indian heaved a sigh of relief. Kashyap now plays Tanong Saensomboonsuk of Thailand who outwit another Indonesian Yunus Alamsyah, the fi seed, 21-14, 21-17.

Young Sindhu, on the other hand look confident as she set up a final clash against donesia's Lindaweni Fanetri. Maintaining form and tempo she displayed in the earl rounds, Sindhu continued her march into final in style. The tall 18-year-old girl domi ed her much experienced rival with some m

Champions League place.

Wigan remain in the relegation zone after their fourth defeat in their last five league games. REUTERS

Soldado struck in the opening minute to set them on their way to a 4-2 home win over Getafe in the earlier kickoff. REUTERS

Kalf 68, Praveen Gupta 46 no, Ali Murtaza 49 no, R Malolan 3-83) vs TN

At Hubli | Haryana 293/7

Nachim 2-63, S Mohammed 2-26) vs Assam

At Agartala Goa vs Tripu No play, bad light.

mathrubhumi

# ssifieds

• എക്സിക്കുട്ടൻ

ool of Habitat Studies
e under KESNIK invites
research / academic
arch work on Sustainable
al assistance from this
necessary details are
la State Nirmithi Kendra:
ject proposal has to reach
13.
e contact:
R
KENDRA ( KESNIK )
ITHAPURAM-695038.
NDIA
360208,2362319
esnik.tech@gmail.com

**WANTED**

IPSA-A LEADING HIGH QUALITY HARDWARE MANUFACTURER REQUIRES

DISTRICT WISE DISTRIBUTORS/DEALERS.

Financially sound hardware dealers can apply immediately.

Contact

**Laxman Combine**
Post Office Link Road, Ernakulam
Ph-9745022899,0484 2365856
Email : laxcomb_hardware@yahoo.in

## NOTICE

This is to inform to the General Public that the proposed quarry project at Chithara Village & Panchayat, Kottarakara Taluk, Kollam District, Kerala being developed by M/s Poabs Enterprises Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 35/SEIAA/KL/6090/2012 dt. 14-12-2012 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

**ലോറി വിൽപ്പനയ്ക്ക്**
**2009 അശോക് ലൈലാന്റ് .6 ടയർ ലോറി 2 എണ്ണം വിൽപ്പനയ്ക്ക്**
**9387164733**

## Miscellaneous

### PVC ബെൻറ്

20, 25 MM ISI വയറിംഗ് ബെൻറുകം ഹോൾസെയിൽ വിലയ്ക്ക് നിർമ്മിച്ച് നൽകുന്നതാണ്. 8089132648.

**അഞ്ചൽ വടമൺ – ഏറം റൂട്ടിൽ**
വടമൺ സ്കൂളിന് സമീപം ടാർറോഡ് ഫ്രണ്ടേജ് ഉള്ള 25 സെന്റ് വസ്തു ഉടൻ വിൽപ്പനയ്ക്ക്
Contact: 9747843943

### വില്പനയ്ക്ക്

പഴക്കം ചെന്ന ഈട്ടി മരം വിൽപനയ്ക്ക്

മുറിച്ചിട്ട പഴക്കം ചെന്ന ഈട്ടി മരം സുമാർ 100 cu.ft റോഡ്സൈഡ് ഉടൻ വിൽപനയ്ക്ക് നെടുമങ്ങാട് ഇടനിലക്കാരില്ല. 9847900503, 9496034374.

### കെന്നൽസ്

### അക്കകോഴികൾ

09037928976, 09495884481. Dogs& Birds- 09388420157. Fancy Fowls& Birds. 09846569575.

2 Bedroom flat for sale. ready to move. 9605719364

**പുതിയ വീട് സ്ഥലവുമായി മാറ്റത്തിന്**
കോഴിക്കോട് വെള്ളി[illegible]
സിൽവർഹിൽസ് സ്കൂൾ സമീപം. 09496015145

**ശേഷം**
**ക്ലാസ്സിഫൈഡ് പരസ്യങ്ങൾ**
**12-ാം പേജിൽ**

NATIONAL GAMES SECRETARIAT
Palayam, Thiruvananthapuram-695 033
E-mail:35thngskerala@gmail.com
Phone:0471-2302267

No: 2780/ENGG/11/NGS Dated: 18/12/2012

Tender Notice for the purchase of Sports Equipments for Multi Sport Playspaces

KERALA POLICE HOUSING AND CHANDRASEKHARAN THIRUVANANTHAPURAM
Window No. 12/12-13.
NIT No. 15/12-13
Chairman & Managing Director
ph. 0471 - 2302201.
Proposed Construction

**ANNEXURE E**

# Chithara Grama Panchayat

Kizhakkumbhagam ,Chithara PO , Pin: 691559

Date:01/02/2014

No. A2-8596/13

From

Secretary

To

The Manager

Poabs Enterprises Pvt Ltd

Madathara

Sir,

Sub: Environmental Clearance Certificate - regarding

Ref: Your letter dated 31/01/2013.

This is to Inform you that an Environmental Clearance Certificate with no: 35/SEIAA/ KL/6090/2012 dated 14/11/2012 was received at this office on 27/05/2013 as part of an application for D & O License.

OFFICE OF THE CHITHARA GRAMAPANCHAYATH * CHITHARA *

SECRETARY
CHITHARA GRAMAPANCHAYATH
KOLLAM DIST. KERALA. INDIA
Mob: 9048456540

**ANNEXURE F**

കേരളം केरल KERALA P 788360

## AFFIDAVIT

I, Thomas Jacob, Director & authorized signatory of M/s Poabs Enterprises Pvt. Ltd. having its correspondence office at Kollai P.O., Chithara Village, Kollam, Kerala-691541 do hereby affirm and confirm as follows:-

1. That, M/s. Poabs Enterprises Pvt. Ltd. proposes to develop a Quarry Project at Chithara Village & Panchayat, Kottarakkara Taluk, Kollam 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 : Kollam**
**Date : 23.12.2012**

No - 42613 Rs100L
19-12-12
Mr. Thomas Jacob
Director, Poabs Enterprises Pvt Ltd
Kollai PO, Chithara