



POABS GRANITES PVT. LTD.

Kuthirakulam P.O, Vellanad, Trivandrum District, Kerala - 695543

Phone : +91 - 472 2882780 Fax : +91 - 472 2882880

E-mail : tvpm@poabs.in Website : www.msand.in

TIN : 32011054222
CST : 32011054222C

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

16/02/2015

Sub: Environmental Clearance – Proposed quarry project Sy. Nos.459/2, 460/10, 460/12, 446/8, 462/5, 461/2, 461/3, 446/7, 460/2-2, 460/2-1 at Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram Dist, Kerala – Compliance report – Reg.

Ref: File No. 37/SEIAA/KL/6092/2012 dt. 14-11-12

Respected sir,

Our quarry project was accorded with environmental clearance vide order No. 37/SEIAA/KL/6092/2012 dt. 14-11-12. Fourth compliance report to the specific and general conditions of the Environmental Clearance hard copy as well as softcopy (CD)) for the period of July- December, 2014 is enclosed.

Thanking you

Yours respectfully,
POABS Granites Pvt. Ltd.

Jabu K. Abraham
(Director)

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: 37/SEIAA/KL/6092/2012 DT. 14/11/2012**

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

**AT
Sy. Nos. 459/2, 460/10, 460/12, 446/8, 462/5, 461/2, 461/3, 446/7, 460/2-2
and 460/2-1,**

**PEROORKADA VILLAGE, THIRUVANANTHAPURAM TALUK,
THIRUVANANTHAPURAM DISTRICT, KERALA**

**BY
POABS GRANITES PRIVATE LIMITED
KUTHIRAKALAM P.O., TRIVANDRUM, KERALA - 695 543**

(July - December, 2014)

INTRODUCTION

M/s Poabs Granites Pvt. Ltd. is a stone quarry placed at Sy. Nos. 459/2, 460/10, 460/12, 446/8, 462/5, 461/2, 461/3, 446/7, 460/2-2 and 460/2-1, Peroorkada village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala. The quarry project is running according to the environmental clearance order by state Environmental Impact Assessment Authority on 14/11/2012. 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 and general conditions of the environmental clearance for the period of July-December, 2014 (Fourth 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:

An affidavit that eco-restoration including the mine closure plan will be done at our expenses was submitted to SEIAA Kerala on 22.03.2014. Ten percent of the mined pit area will be preserved as rainwater harvesting pit after the closure of the mine. It is planned to build up a green belt in the remaining area with indigenous plant species after reclaimed with stacked dumping and overburden. Copy of the affidavit stated that eco-restoration including the mine closure plan will be done at our expenses is enclosed as Annexure No.1.

➤ **Condition 2)**

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

Compliance:

Topsoil quantity is expected to be 33,900m³. The excavated top soil is stored separately in an earmarked location and the photographs showing top soil storage area are provided at Annexure No.2.

➤ **Condition 3)**

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

Compliance:

Internal road system is maintained well. There is about 0.25km of roads having 7.0m width is present within the total project area. Sides of the road not having natural vegetation are planted with indigenous plant species. Particulars of the plant species planted along the road sides are given below.

Sl. No	Botanical Name	Common Name	Family	Distribution	Status
1	<i>Mangifera indica L.</i>	Mavu	Anacardiaceae	Evergreen and semi-evergreen forests and also widely cultivated	Indo-Malaysia
2	<i>Cassia fistula L.</i>	Indian Laburnum/ Kanikkonna	Fabaceae		Indo-Malesia
3	<i>Artocarpus heterophyllus</i>	Plavu	Moraceae	Evergreen and semi-	Widely cultivated

	Lam.			evergreen forests, also widely cultivated	in the tropics, origin is probably South India
4	<i>Acacia auriculiformis</i> Benth.	Acacia	Leguminosae	Native of Tropical Australia	Exotic
5	<i>Cinnamomum malabattrum</i> (Burm.f.) J.Presl.	Idana	Lauraceae	Southern Western Ghats	Endemic to Southern Western Ghats
6	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Arnanamaram	Annonaceae	Native of Sri Lanka: introduced to many tropical countries	<i>Exotic</i>
7	<i>Casuarina equisetifolia</i> L.	Choolamaram	Casuarinaceae	Native of Malaysian Region	Exotic

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:

Mineral is excavated using excavators. The mineral is fractured and easily exploit by rock breakers and excavators. The hard strata are excavated after drilling and blasting. The specific methodology adopted for drilling, blasting and 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 storm water.

Garland drains are provided in the lower slope of the core area to channelize the storm water and the photographs showing the same is provided at Annexure No.5. De-siltation traps are set up in the storm water channels which will grab the passage of debris and silt from the mining area to the main streams.

➤ **Condition 6)**

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

De-siltation traps (check dam like) are provided in the storm water channels, which will arrest the passage of debris and slit from quarry site to the main streams. Debris and slit 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 48.6dB and 34.5dB respectively. Value of Particulate matters PM₁₀ and PM_{2.5} are

58.8µg/M³ and 24.2µg/M³ correspondingly. Sulphur dioxide and Nitrogen dioxide values in the air are 4.2µg/M³ and 3.6µg/M³ respectively. Drinking water quality parameters are well within the standards. The copy of the ambient sound monitoring report, ambient air quality monitoring report, and drinking water quality reports 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 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:

Rainwater harvesting system is maintaining in the project area. Harvesting system consists of two tanks constructed with stone masonry wall having the capacity of 190000 and 144000 liters. Two tanks are separated by a check dam. Photographs of the rainwater harvesting system are enclosed as Annexure A. Details of the rainwater harvesting system are as follows.

Sl. No.	Type	Length (m)	Width (m)	Height (m)	Capacity (L)
1	Tank constructed with stone masonry wall 1	20	6	2	190000
2	Tank constructed with stone masonry wall 2	12	6	2	144000

➤ **Condition ii)**

Environment monitoring cell should be formed and made functional.

Compliance:

An environmental monitoring cell was formed with Mr. Jabu K. Abraham (Director) as head of the monitoring cell and made functional. Meeting of monitoring cell is arranged 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 (Director)	Mr. Jabu K. Abraham
2	Head in charge (Environment)	Mr. VT Thomas
3	Senior Environmental Officer	Mr. Rinoy Varghese
4	Environmental Officer	Mr. Navin Xavier
5	Name of the environmental officer in charge	Mr. Anil kumar. M.
6	Name of the officer Environment, Health and safety	Mr. Vijayakumar V.R.
7	Name of the Asst. officer of Environment, Health and safety	Mr. Jayaraj. T.
8	Name of the environmental consultant	M/s Enkay Enviro Services Pvt. Ltd. & M/s Environmental Engineers & Consultants Pvt. Ltd
9	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:

Natural vegetations including trees, shrub and herbs are present in the sides of tarred road and parking areas. The area with low vegetation planted with trees and a nursery is maintaining for further plantations. Photographs showing the same is provided at Annexure No. B. Plant saplings maintained in the nursery for roadsides and parking areas as follows.

Sl. No	Botanical Name	Common Name	Family	Distribution	Status
1	<i>Mangifera indica</i> L.	Mavu	Anacardiaceae	Evergreen and semi-evergreen forests and also widely cultivated	Indo-Malaysia
2	<i>Cassia fistula</i> L.	Indian Laburnum/ Kanikkonna	Fabaceae		Indo-Malesia
3	<i>Artocarpus heterophyllus</i> Lam.	Plavu	Moraceae	Evergreen and semi-evergreen forests, also widely cultivated	Widely cultivated in the tropics, origin is probably South India
4	<i>Acacia auriculiformis</i> Benth.	Acacia	Leguminosae	Native of Tropical Australia	Exotic
5	<i>Cinnamomum malabatrum</i> (Burm.f.) J.Presl.	Idana	Lauraceae	Southern Western Ghats	Endemic to Southern Western Ghats

➤ **Condition IV)**

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

Compliance:

Solar Energy device such as solar lights and water heater were installed in the project area. Solar water heater is associated with canteen for Kitchen purposes. Nine solar lights were installed in the different regions of the project area. Photographs showing the same are attached 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 from Panchayat
2	C2	Integrated consent to operate issued under Air act, 1981 and Environment act 1986.
3	C3	License to possess: (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7.

➤ **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 process 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 news paper advertisements are given below.

Sl. No.	Annexure	Name of the News paper and edition	Dated
1	D1	Times of India (Thiruvananthapuram, 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:

Environmental clearance order was submitted to Thiruvananthapuram Corporation Office on 14/12/2012. The acknowledgement received is

provided at Annexure E. The environmental clearance order is uploaded in the website of the company and can be seen in the website www.msand.in 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 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:

First, second and third compliance reports were submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and the Regional Office of MoEF, Govt. of India. Fourth compliance report (July - December, 2014) is being submitted to Department of Environment and Climate change, Govt. of India both in hard copy as well as soft copy (CD).

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 provided at Annexure F.



കേരളം കേരल KERALA

AF 880882

AFFIDAVIT

Jabu K. Abraham, Director & authorized signatory of M/s POABS Granite Pvt. Ltd. having its correspondence office at Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala Pin-695543 do hereby affirm and confirm as follows:-

1. That, M/s. POABS Granite Pvt. Ltd. running a Quarry Project at Survey Nos. 459/2, 460/10, 460/12, 446/8, 462/5, 461/2, 461/3, 446/7, 460/2-2, 460/2-1 at Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram Dist, Kerala.
2. That, the eco-restoration including the mine closure plan will be done at our expenses.

J.K. Abraham
DEPONENT

Verification:

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

Solemnly affirmed and signed before me by the deponent who is personally known to me in my office at Thiruvalla on this the 25th day of March, 2014.

A.P. Gokula Chandran
DEPONENT

Place: Tiruvalla
Date: 22.03.2014



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

P. KRISHNAN KUTTY NAIK

*054952 Pn/100 / Jabu K. Abraham
Director
M/s Poabs Granite Pvt Ltd*



ANNEXURE 2

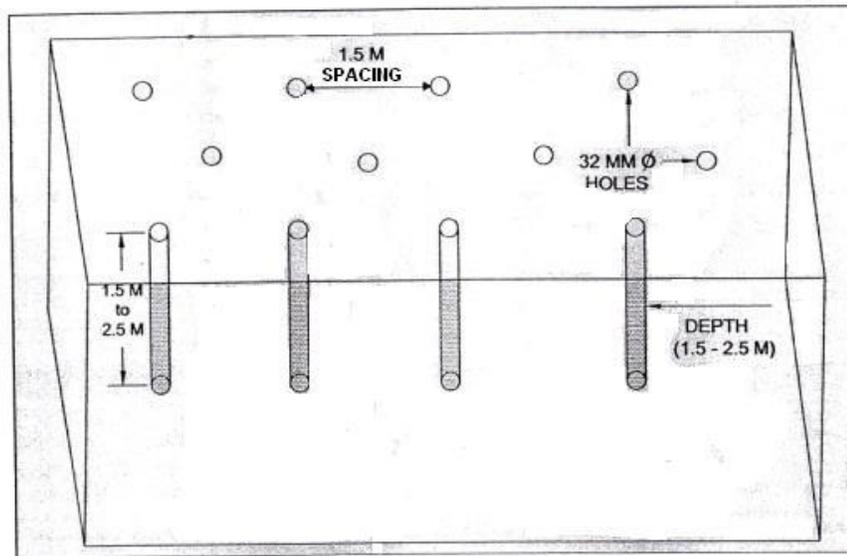


Photographs showing top soil storage area

ANNEXURE 4

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 5



Photographs showing garland drains within the project sites to channelize storm water

ANNEXURE 6



Photographs showing de-siltation trap (Check dam like)

ANNEXURE 7



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 M/s Poabs Granites Pvt Ltd. Peeroorkada, Trivandrum.	Certificate No:	PL/RT/SD/601/2015
	Date of issue:	12/02/2015
	Date of monitoring	04/02/2015 14.00 Hrs to 05/02/2015 14.00 Hrs
	Monitoring Location	M/s. Poabs Granites Pvt Ltd. Peeroorkada, Trivandrum. Sy.No.459/2,460/10,460/12,446/8, 462/5,461/2,461/3,446/7,460/2-2,460/2-1. Village - Peeroorkada, Taluk-Trivandrum, District - Trivandrum, Kerala.
Sample Description	Ambient Sound Level (Leq)	

Monitoring Location	Time	Results
Near east side Boundary	14.00 Hrs	52.1 dB (A)
	15.00 Hrs	53.1 dB (A)
	16.00 Hrs	52.2 dB (A)
	17.00 Hrs	50.6 dB (A)
	18.00 Hrs	50.1 dB (A)
	19.00 Hrs	49.6 dB (A)
	20.00 Hrs	50.6 dB (A)
	21.00 Hrs	44.6 dB (A)
	22.00 Hrs	35.9 dB (A)
	23.00 Hrs	35.1 dB (A)
	00.00 Hrs	34.8 dB (A)
	01.00 Hrs	35.1 dB (A)
	02.00 Hrs	34.4 dB (A)
	03.00 Hrs	35.8 dB (A)
	04.00 Hrs	35.1 dB (A)
	05.00 Hrs	34.9 dB (A)
	06.00 Hrs	35.1 dB (A)
	07.00 Hrs	34.8 dB (A)
	08.00 Hrs	35.6 dB (A)
	09.00 Hrs	36.4 dB (A)
10.00 Hrs	41.6 dB (A)	
11.00 Hrs	48.6 dB (A)	
12.00 Hrs	50.1 dB (A)	
13.00 Hrs	51.1 dB (A)	
Leq(Day time)		48.6 dB (A)
Leq(Night time)		34.5 dB (A)

SREEJA RAMESH

Quality Manager

For 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

ANNEXURE 8



POLUCHEM LABORATORIES (P) LTD.

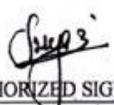
ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY
 PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM -683 104
 PHONE: 0484 - 3261174, 2544030, E-mail: poluchem@gmail.com

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD AND ACCREDITED BY NABL

TEST REPORT

Client Name & Address	Certificate No:	PL/AMB/RT/23/2015
M/s Poabs Granites Pvt. Ltd Peerookada, Trivandrum.	Date of issue:	12/02/2015
	Date of monitoring	04/02/2015 14.00 Hrs to 05/02/2015 14.00 Hrs
	Date of sample received:	06/02/2015
	Date of analysis	07/02/2015
	Monitoring Location	M/s. Poabs Granites Pvt Ltd. Peerookada, Trivandrum. Sy.No.459/2,460/10,460/12,446/8,462/5,461/2, 461/3,446/7,460/2-2,460/2-1, Village - Peerookada, Taluk-Trivandrum, District - Trivandrum,Kerala.
	Sample description	Ambient air – Near east side Boundary
	Sample code given by client	Nil
	Sample identification No:	G/B/23/15

SL NO	PARAMETERS	TEST METHOD	RESULTS	LIMITS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 4 1999	58.8 µg/M ³	100 µg/M ³
02	Particulate Matter (PM _{2.5})	CPCB	24.2 µg/M ³	60 µg/M ³
03	Sulphur dioxide	I S 5182 Part 2 2001	4.2 µg/M ³	80 µg/M ³
04	Nitrogen dioxide	IS 5182 Part 06 1975	3.6 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 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



NABL ACCREDITED
Certificate No: T-1658

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 AND ACCREDITED BY NABL

TEST REPORT

Page 01 of 02

Ref.No. PL/RT/PW/34/2015

Name & address of customer

Project Site

Sample drawn by

Sample description

Sample Code

Location of sampling

Date of sample collected

Date of analysis started

Date of completion of analysis

Date of Issue: 12/02/2015

: M/s.Poabs Granites Pvt Ltd,

Peeroorkada,Trivandrum

: M/s Poabs Products Pvt Ltd,

Sy.No.459/2,460/10,460/12,446/8,462/5,461/2,461/3,446/7,
460/2-2, 460/2-1,

Village - Peeroorkada,

Taluk-Trivandrum,

District- Trivandrum, Kerala

: Self

: Water sample

: B/34/2015

: Pond water

: 05/02/2015

: 06/02/2015

: 10/02/2015

Parameters tested	Test method	Results	Desirable limit as per IS 10500
Color	IS 3025 (P) 04 - 1983	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 - 1983	Unobjectionable	Unobjectionable
Turbidity	IS 3025 (P) 10 - 1984	2 NTU	5 NTU
pH	IS 3025 (P) 11 - 1983	6.36	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 15 - 1984	34 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 - 1983	13.86 mg/l	300 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 - 1986	10 mg/l	200 mg/l
Residual Free Chlorine	IS 3025 (P) 26 - 1986	BDL	Min 0.2 mg/l
Chloride as Cl	IS 3025 (P) 32 - 1988	12.44 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 - 1991	4.76 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 - 1994	< 1 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 - 2003	0.26 mg/l	0.3 mg/l
Sulphate	IS 3025 (P) 31 - 1988	BDL	200 mg/l
Fluoride	IS 3025 (P) 60 - 2008	0.12 mg/l	1 mg/l

Note: BDL - Below Detection Level

SPRIVA RAMSHEE For Poluchem Laboratories (P) Ltd.
Quality Manager
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

ANNEXURE A



Photographs showing the rainwater harvesting system in the project area

ANNEXURE B



Photographs showing plant nursery

ANNEXURE B1



Photographs showing the Solar Energy devices within the project area

ANNEXURE C1

5



നമ്പർ AL-62/10 വെള്ളനാട് ഗ്രാമ പഞ്ചായത്ത്

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

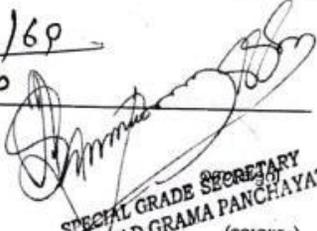
ലൈസൻസ്

ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	<u>ശ്രീ. മഞ്ചി മാത്യു</u> <u>ചേരൂർ സ്ത്രീ കോളേജ് കെ.എസ്.എസ്. ട്രിപ്പിളർ, കിഴക്കൻ മൂലം</u>
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	<u>85014 P ലോട്ടേർ പ്രവർത്തിപ്പിച്ച്</u> <u>ചാനൽ ചെയ്യിച്ചു M. Sreedhar മൂലം</u>
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	<u>VPI XI 656</u>
ലൈസൻസിന്റെ കാലാവധി	<u>2010-2011 to 2013 - 2014 വരെ</u>
ലൈസൻസ് ഫീസ്	<u>82500/- രൂപ - പൈസ</u>
റിമാർക്സ്	<u>R.M. 16767/69</u> <u>186/10</u>

വെള്ളനാട്

തിയതി 186/10



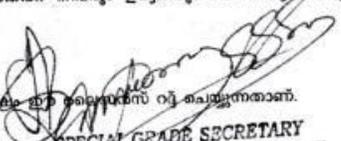


SPECIAL GRADE SECRETARY
VELLANAD GRAMA PANCHAYAT
(സുവരം)

ലൈസൻസുടമസ്ഥൻ താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

1. പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്മാർട്ടിംഗ് പരിസരങ്ങളും വെടിപ്പായും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള കേന്ദ്രപരാമർശങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
3. തൊഴിൽ സ്മാർട്ടിംഗ് അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസുടമസ്ഥൻ വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം സിദ്ധിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്മാർട്ടിംഗ് മാറ്റാവുന്നതല്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. ഏതൊരു പ്രവർത്തി മിവസത്തിന്റെയും ഒടുവിൽ സ്മാർട്ടിംഗ് വൃത്തിയാക്കേണ്ടതാണ്.
6. ആ സ്മാർട്ടിംഗിന്റെയോ പുരയിടത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വീഴുകയോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവരോ, മൃഗങ്ങളുടെ തുണ്ടുകളോ മറ്റ് പരാമർശമാർ ശേഖരിച്ച സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നിക്ഷേപിച്ചേണ്ടതാണ്.
7. ലൈസൻസുകാരൻ ഏതൊരു കെട്ടിടത്തിന്റെയും ചുമരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പുരയിടത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിപ്പുവീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ ചപ്പുചവരോ, അസഹ്യമോ, ഉപദ്രവകരമായ ഏതെങ്കിലും പരാമർശമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായും കേടുപാട് തീർത്തും വയ്പിക്കേണ്ടതാണ്.
8. ലൈസൻസുകാരൻ മേൽപറഞ്ഞ പുരയിടത്തിലോ, അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായും കേടുപാടുതീർത്തും വയ്പിക്കേണ്ടതാണ്.
9. ഏതെങ്കിലും തരത്തിലുള്ള തപൽ രോഗമോ കൂടാതെ രോഗമോ വ്രണമോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന യാതൊരു പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
10. ഏത് സ്മാർട്ടിംഗിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്മാർട്ടിംഗ് എല്ലാവരും കാണത്തക്കവിധത്തിലുള്ള ഒരു സ്മാർട്ടിംഗ് ലൈസൻസുകാരൻ തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പുലി ഇടുന്നതാണ്.
11. അധിത്തം ഉണ്ടാകാത്ത വിധം ലൈസൻസ് നൂറ് ചെയ്യുന്നതാണ്.
12. മുകളിൽ പറഞ്ഞിരിക്കുന്ന വ്യവസ്ഥകളിൽ ഏതെങ്കിലും ലംഘിക്കുന്ന പക്ഷം ഈ ലൈസൻസ് നൂറ് ചെയ്യുന്നതാണ്.




SPECIAL GRADE SECRETARY
VELLAYAD GRAMA PANCHAYAT

സെക്രട്ടറി



നമ്പർ AS-300/254/08-09 വെള്ളനാട് ഗ്രാമ പഞ്ചായത്ത്

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

ലൈസൻസ്

ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	ശ്രീ. എ. ബി. മ. ന്യൂ (പ്രൈവറ്റ്) ലിമിറ്റഡ് പ്ലോട്ട് ന്യൂ ഗ്രാമനഗർ ഹൈവേ ലിറ്ററേറ്റ്, കൂതറൂർ
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	1120HP 620 ക്ലോർവെർണിക്ലി പാനറേഷ്യ. 92982 മണൽക്കുതിര യാക്കി വില്പന നടത്തുന്നതിന്
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	VP[XI] 227, VP[XI] 655
ലൈസൻസിന്റെ കാലാവധി	2009-2010 To 2013-2014 വരെ
ലൈസൻസ് ഫീസ്	12000 രൂപ - പൈസ
റിമാർക്സ്	R.No. 15749/59 18/3/2009

വെള്ളനാട് ഗ്രാമ പഞ്ചായത്ത്

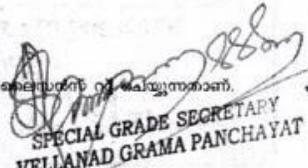
Res/No. 11/3/2009 ലെ
തീയതി 18/3/2009
സെക്രട്ടറി
SPECIAL GRADE SECRETARY
VELLANAD GRAMA PANCHAYAT



ലൈസൻസുടമസ്ഥൻ താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.

1. പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്മലവും പരിസരങ്ങളും വെടിവായും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള ഭക്ഷണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
3. തൊഴിൽ സ്മലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തധികാരികൾക്കോ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസുടമസ്ഥൻ വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം സിദ്ധിച്ചശേഷമല്ലാതെ തൊഴിൽ സ്മലം മാറ്റാവുന്നതല്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. ഏതൊരു പ്രവർത്തി ദിവസത്തിന്റേയും ഒടുവിൽ സ്മലം വൃത്തിയാക്കേണ്ടതാണ്.
6. ആ സ്മലത്തിന്റേയോ പുരയിടത്തിന്റേയോ, ഏതെങ്കിലും ഭാഗത്ത് വിഴുക്യോ നിക്ഷേപിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവരോ, മൃഗങ്ങളുടെ തുണ്ടുകളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ചു സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
7. ലൈസൻസുകാരൻ ഏതൊരു കെട്ടിടത്തിന്റേയും ചുറ്റും അകമ്പടത്തിന്റേ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പുരയിടത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിപ്പുറീഴാനിടയുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ ചപ്പുചവരോ, അസഹ്യമോ, ഉപദ്രവകരമായ ഏതെങ്കിലും പദാർത്ഥമോ അവിടെ ലയിക്കുന്നത് തടയത്തക്കവിധം എപ്പോഴും നന്നായും കേടുപാട് തീർത്തും വയ്പിക്കേണ്ടതാണ്.
8. ലൈസൻസുകാരൻ മേൽപറഞ്ഞ പുരയിടത്തിലോ, അതോടു ചേർന്നോ ഉള്ള ഏതൊരു ഓവുചാലും, അഴുക്കുജലം കളയുന്നതിനുള്ള ഉപകരണവും എപ്പോഴും നന്നായും കേടുപാടുതീർത്തും വയ്പിക്കേണ്ടതാണ്.
9. ഏതെങ്കിലും തരത്തിലുള്ള താക്ക് രോഗമോ കൃഷ്ണ രോഗമോ വ്രണമോ ഉള്ള യാതൊരാളും കച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന യാതൊരു പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
10. ഏത് സ്മലത്തിന്റേ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്മലത്ത് എല്ലാവരും കാണത്തക്കവിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസുകാരൻ തന്റേ പേരും, ലൈസൻസിന്റേ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
11. അധിഷ്ഠിത ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് ന്യൂചെയ്യുന്നതാണ്.
12. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളിൽ ഏതെങ്കിലും ലംഘിക്കുന്ന പക്ഷം ഈ ലൈസൻസ് നൂ ചെയ്യുന്നതാണ്.




SPECIAL GRADE SECRETARY
VELLANAD GRAMA PANCHAYAT
 സെക്രട്ടറി

ANNEXURE C2

File No. PCB/TVM-DO/CO/6424/2007

Date: 04-08-2011



KERALA STATE POLLUTION CONTROL BOARD
District office, Plamoodu Jn., Thiruvananthapuram

INTEGRATED CONSENT TO OPERATE

ISSUED UNDER

The Air (Prevention & Control of Pollution) Act, 1981

The Water (Prevention & Control of Pollution) Act, 1974

&

The Environment (Protection) Act, 1986

TO

✓ Shri. K.A Abraham,
Poabs Granites (P) Ltd.,
Malamugal, Vattiyoorkavu,
Thiruvananthapuram.

(for Quarrying at Malamugal,
Peroorkada, Thiruvananthapuram)

Consent No. PCB/TVM-DO/ICO/QRY/1495/2011

GENERAL DETAILS:

1. Nature of consent	Integrated Consent to Operate
2. Date of issue	04-08-2011
3. Validity	31-07-2014
4. Name & Address of the establishment	Quarry owned by Poabs Granites (P) Ltd., Malamugal, Vattiyoorkavu, Thiruvananthapuram - 695 013.
5. Occupier details	Shri. K.A Abraham, Director.
6. Village	Peroorkada
7. Survey Number	R.Survey no. 460, 452, 448, 459, 462, 461, 446, 447
8. Taluk	Thiruvananthapuram
9. District	Thiruvananthapuram
10. LSGI & Ward	Thiruvananthapuram Corporation Ward no. 34, Kachani Ward
11. Category/Type	RED
12. Scale	SMALL
13. (a) Annual fee	₹ 6,560/-
(b) Fee remitted	₹ 22,960/-
14. Capital Investment	₹ 46 lakh
15. Activity /Products	Rock quarrying/ Granite metal stone @ 750 M T/day

2. CONDITIONS:

- 2.1 This Integrated Consent to Operate is granted subject to the power of the Board to review and make variation in all or any of the following conditions.
- 2.2 This Integrated Consent to Operate unless withdrawn earlier and subject to condition no. 2.1 shall be **valid up to 31-07-2014** and subject to decision/order by the Court, if any.
- 2.3 The Integrated Consent to Operate issued and its validity are subject to the conditions and validity specified in the clearances issued by the District Collector, Mining and Geology Department and Explosives Department as per the provisions of the relevant statues.
- 2.4 The quarrying activity shall be carried out only in the area marked in black in the location drawing attached.
- 2.5 Sufficient safety precautions shall be provided at the explosive storage area and blasting site as per the guidelines of the concerned authorities.
- 2.6 The depth of excavation below ground level shall not exceed 6 m.
- 2.7 Where residences are likely to be with vibration, use of ordinary detonators shall be avoided and electric detonators with necessary delay facilities shall be used.
- 2.8 Removal of top soil and mining shall be carried out leaving 3 m from adjacent property on all sides as buffer zone.
- 2.9 The top soil excavated shall be preserved and used for relaying the surface of mined area.

- 2.10 The noise level at 1 m outside the area of quarrying operation shall not exceed 55 dB(A) Leq.
- 2.11 The suspended particulate matter at the boundary of the quarry shall not exceed 200 microgram per cubic metre and the respirable suspended particulate matter at the boundary of the quarry shall not exceed 100 microgram/m³.
- 2.12 The excavated area may be used for aquaculture and rainwater harvesting with protective barriers or for any other suitable purpose or may be reclaimed.
- 2.13 Efforts shall be made to avoid any sort of environmental problem due to the functioning of the quarry.
- 2.14 Quarrying shall be carried out only with valid clearances from other concerned authorities along with this consent.

Encl: Approved location drawing

Date: 04-08-2011



Copy to:

The Member Secretary with C/L


Signature & Seal of
Issuing Authority

K.R. SANTHOSH KUMAR
ENVIRONMENTAL ENGINEER

ANNEXURE C3



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/22/1452(E68709)

Dated:04/10/2012

To
 Shri ABY MATHEW, Managing Director,
 M/s. POABS GRANITES PVT. LTD. Kuttoor, PO, Tiruvalla, Town/Village - Kuttoor
 District-PATHANAMTHITTA, State-Kerala, Pincode - 689551

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:194/6,Block No.39,
 Vellanadu,Nedumangadu,Taluk, Dist. THIRUVANANTHAPURAM, Kerala -Licence No.: E/SC/KL/22/1452
 (E68709) 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 03/10/2012 on the subject cited above.

The Licence No.: E/SC/KL/22/1452(E68709) is duly amended in respect of :

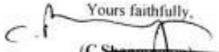
Quantity of Explosives/Monthly Purchase Limit

with condition QUARTERLY RETURNS SHALL BE SUBMITTED ON-LINE IMMEDIATELY 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	30000	Mts
3	Electric and/or Ordinary Detonators	6	3	0	40000	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 2017.**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,

 (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. Additional District Magistrate, THIRUVANANTHAPURAM, Kerala with reference to his Noc No: A17-9946/2011 Dated: 31/10/2011.
3. Superintendent of Police, THIRUVANANTHAPURAM, 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>]

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 magazineLicence No. : E/SC/KL/22/1452(E68709)
Annual Fee Rs.4500/-

- Licence is hereby granted to : **Shri ABY MATHEW, Managing Director (Occupier : SHRI ABY MATHEW MG. DIRECTOR M/s. Poabs Granites Pvt.Ltd.)**
M/s. POABS GRANITES PVT. LTD. Kuttoor.PO, Tiruvalla, Town/Village - Kuttoor 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	300 Kg.
2.	Safety Fuse	6 ,1	0	30000 Mtrs
3.	Electric and/or Ordinary Detonators	6 ,3	0	40000 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/SC/KL/22/1452(E68709) dated : 03/07/2012
- The licensed premises are situated at following address:
Survey No. 194/6,Block No.39 , Town/Village : Vellanadu,Nedumangadu.Taluk
Police Station : **Aryanadu** District : **THIRUVANANTHAPURAM** State : **Kerala**
PinCode : **689551** Phone : E-Mail : Fax :
- The licensed premises consist of following facilities : **Magazine for High Explosives ,detonators& Lobby as per the plan**
- 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
- This licence shall remain valid till **31st day of March 2017**

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: 03/07/2012

Joint Chief Controller of Explosives
South Circle, Chennai

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 16/08/2012
- 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

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



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 Kakkanad Dist. Ernakulam Ernakulam 682037
Tele: 2427286 Fax: 2427276
Email: dycceernakulam@explosives.gov.in

No.: E/SC/KL/22/2(E8469)

Dated: 14/12/2011

To,
SHRI ABY MATHEW MG. DIRECTOR,
M/S. POABS GRANITES PVT. LTD., WEST OTHARA THIRUVALLA, PATHANAMTHITTA, KERALA., Town/Village - Kutoor
District-PATHANAMTHITTA, State-Kerala, Pincode - 689551

Subject: Possession for Use of of Explosives from magazine situated at Survey No(s): 1469/3/5 & 1469/2, VELLANAD, Dist. THIRUVANANTHAPURAM, Kerala -Licence No.: E/SC/KL/22/2(E8469) 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. Nil dated 07/12/2011 on the subject cited above.

The Licence No.: E/SC/KL/22/2(E8469) 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	250	Kg.
2	Safety Fuse	6	1	0	4000	Mtrs
3	Electric and/or Ordinary 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)] : **10 times as above.**

This Licence shall remain valid till **31st day of March 2014.**

An amount of **Rs. 500/-** balance is standing in your credit, which may be utilized for future renewal 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 Dy. Chief Controller of Explosives
Ernakulam

Copy Forwarded to:

1. District Magistrate, THIRUVANANTHAPURAM, Kerala with reference to his Noc No: K.DIS.A8-74306/93 Dated: 20/04/1994.
2. Superintendent of Police, THIRUVANANTHAPURAM, Kerala

For Dy. Chief Controller of Explosives,
Ernakulam

Trouble in a can

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

and large sizes. The Santa caps and masks keep the range from Rs.20 to 80.

Tham With Care

Corp to implement ban sans alterna

- Online Digital Library
- Video Conferencing Facility
- Continuous Online Mentoring.
- Facility
- Extensive Corporate Tie-ups
- 12-hr Contact Classes for each subject.

APPLICATION PROCEDURE

For application forms & prospectus, send a Demand Draft of Rs.1100/- to IIT-CDL, A-6, Site-3, USIDC Industrial Area, Vasant Road, Ghazalabad in favour of IIT-CDL, payable at Delhi. You can also Apply Online at www.iitncdi.ac.in. Forms also available at Information Centres.

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

INFORMATION CENTRES: GHAZALABAD (Head Office): 3015465 / 4801492 / 493; Delhi (CP): 9711005080; Noida (Sector 22B) 1331-9830836969; Mumbai (Navi Mumbai): 40909248-932267316; Nagpur: 3227728-9923594888; Hyderabad: 9877576768; 9377576768; Bangalore: 92512030-9845810725; Bhubaneswar: 2436656-986106107; Indore: 20565963-9826222562

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

1 YEAR PGDIP IN CYBER SECURITY
Recognized by DEC For graduates in any discipline

MIS in CYBER LAW & SECURITY

In collaboration with National Law University (NLU) for graduates in any discipline with 50% marks To enroll Visit our Website

NOTICE

This is to inform to the General Public that the proposed query project at Perottara Village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala being developed by Ms Pooja Granite Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. ST/SE/IA/KA/03022012 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.seiaa.kerala.org

NOTICE

This is to inform to the General Public that the proposed query project at Chithira Village & Panchara, Kottayam Taluk, Kollam District, Kerala being developed by Ms Pooja Granite Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. ST/SE/IA/KA/03022012 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.seiaa.kerala.org

Exam timetable: The timetable for the fifth semester LLB (three-year), sixth 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.ker-abuniversity.ac.in.

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.

had her match evened up rival with...

Young Sindhu, on the other hand looked confident as she set up a final clash against Indonesia's Lindaweni Fanetri. Maintaining the form and tempo she displayed in the earlier rounds, Sindhu continued her march into the final in style. The tall 18-year-old girl dominated her match evened up rival with...

utes of intense battle Sugrta nettled the shuttler trying to dribble, the Indian heaved a big sigh of relief. Kashyap now plays Panongsak Saensombonsuk of Thailand who outwitted another Indonesian Yonus Alamsyah, the fifth seed, 21-14, 21-17.

Kashyap, Sindhu in maiden GP finals

Kashyap: Praveen Gupta 46 no, 2-26) vs Assam
Sindhu: R Murraza 49 no, R Malolan 3-33) vs TN
AT AGP: Goa vs Tripura.
No play, bad light.

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

Champions League place. Wigan remain in the relegation zone after their fourth defeat in their last five league games.

was denied by Arsenal's Polish keeper Wojciech Szczesny and Dave Jones thumped a shot narrowly wide of the upright with Szczesny through on goal but dragged a left-

day, Wigan, third from bottom, had the best chance of a poor first half when Arouna Kone sprinted through on goal but dragged a left-

SYED MODI GRAND PRIX GOLD

India's top player Kashyap had to overcome a match resistance from Thiruv. Suresh to be...

Asheem Mukerji TNN

Controversial win for Juve

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 for Juventus with a header from former Cagliari striker Alessandro Matri — the decisive second after an apparent hand-

day, Wigan, third from bottom, had the best chance of a poor first half when Arouna Kone sprinted through on goal but dragged a left-

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

TENDER NOTICE

Date: 22.12.2012

thru lumi classifieds
ANNEXURE D2
Estate
real good deals



Dr. Thiruvalluvar

മാർച്ച് 2012 ഡിസംബർ 23

വൃത്തം വിൽപ്പനയ്ക്ക്

പുതിയ വിട
സ്ഥലവുമായി മുറ്റത്തിൽ

കുറഞ്ഞവിലയ്ക്ക് വിൽക്കുന്ന സ്ഥലം
100 മീറ്റർ നീളം ഉള്ള സ്ഥലം
8.5 cents @ pathom

8.5 cents @ pathom

8.5 cents @ pathom

FED
കേരളത്തിലെ ഏറ്റവും വലിയ
പുസ്തക കച്ചവടക്കമ്പനി

WANTED
PS&A LEADING HIGH QUALITY
HARDWARE MANUFACTURER
REQUIRES
DISTRICT WISE
DISTRIBUTORS/DEALERS.

WANTED
Manager
Marketing Executive
Graphic Designer
Driver
Printing Technician
Workshop Helper

SUB DEALERS
Ananthapur associates wanted
Sub Dealers in Thiruvananthapuram
for GREEN VALLEY packaged
drinking water (300 ml to 20 ltr)

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

NOTICE
This is to inform to the General Public that
the proposed quarry project at
Kulthara, Thiruvananthapuram District,
Kerala being developed by M/s Peels
ENVIRONMENTAL CLEARANCE by
State Environment Impact Assessment
Authority, Kerala vide Order No.
37/SEMA/KL/08/2012 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.seiaa.org

കേരളത്തിലെ ഏറ്റവും വലിയ
പുസ്തക കച്ചവടക്കമ്പനി

peelwater

കേരളത്തിലെ ഏറ്റവും വലിയ
പുസ്തക കച്ചവടക്കമ്പനി

ANNEXURE E

തിരുവനന്തപുരം കോർപ്പറേഷൻ		നോൺ : 2320821
0046369	കൈപ്പറ്റ രസീത്	
നമ്പർ 455/14	തീയതി 16.01.2014	
<p>Received the copy of order no. 37/SEIAA/KL/6092/12, dated 4.12.2012 of the member secretary SEIAA, Kerala being environmental clearance under EIA certificate for quarry project @ Melamkulam, T.M.</p>		
<p>Roach Granites private Limited, Kuthiravattalam, T.M.</p>		(മറുപുറം)

മറുപുറത്ത് പറഞ്ഞിട്ടുള്ള താങ്കളുടെ മേൽനമ്പർ ഹർജി/പരാതി/മെമ്മോറാണ്ടം കൈപ്പറ്റിയിരിക്കുന്നു. ആയതു മേൽനടപടികൾക്കായി മറുപുറത്ത് പറഞ്ഞിട്ടുള്ള സെക്ഷനിലേക്ക് അയച്ച് കൊടുത്തിട്ടുണ്ട്. ആയതിന് 15 ദിവസത്തിനകം യാതൊരു മറുപടിയും ലഭിക്കാത്തപക്ഷം താങ്കൾക്ക് സെക്രട്ടറിയേയോ/സെക്രട്ടറിയുടെ ചേഴ്സണൽ അസിസ്റ്റന്റിനേയോ നേരിൽ കണ്ട് വിവരം ബോധിപ്പിക്കാവുന്നതാണ്.


 കൗണ്ടർ സൂപ്രണ്ട്/കൗണ്ടർ ഓഫീസർ

ANNEXURE F



കേരളം കേരल KERALA

P 788331

AFFIDAVIT

I, Jabu K Abraham, Director & authorized signatory of M/s Poabs Granites Pvt. Ltd. having its correspondence office at Kuthirakalam P.O., Trivandrum, Kerala-695543 do hereby affirm and confirm as follows :-

1. That, M/s. Poabs Granites Pvt. Ltd. proposes to develop a Quarry Project at Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram 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 : Thiruvananthapuram

Date : 23-12-2012



No. 47615 Rs100/-

19.12.12

Mr. Jabu K Abraham, Director
Poabs Granites P.Ltd, Kuthirakalam
Tvm