

**COMPLIANCE REPORT  
TO  
THE CONDITIONS  
OF**

**ENVIRONMENTAL CLEARANCE ORDER**

**NO: 49/SEIAA/KL/7178/2012**

**Dated 23-08-2013**

**BY**

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)**

**FOR THE  
QUARRY PROJECT  
AT**

**Survey Nos. 373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187, AYYAMPUZHA VILLAGE  
AND PANCHAYAT, ALUVA TALUK, ERNAKULAM DISTRICT, KERALA**

**BY**

**POABS GRANITE PRODUCTS PRIVATE LIMITED  
KUTTOOR P.O., THIRUVALLA, PATHANAMTHITTA - 689106**

**September, 2017 – February, 2018**

## INTRODUCTION

M/s Poabs Granite Products Pvt. Ltd. is a stone quarry situated at Survey Nos. **373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187**, Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala. The quarry project was accorded with environmental clearance by State Environmental Impact Assessment Authority on 23-08-2013. Six month compliance report to the conditions of the environmental clearance is to be submitted as part of compliance. The compliance report to the specific and general conditions of the environmental clearance for the period of September, 2017 – February, 2018 (Ninth Report) is being submitted.

### **PART - A – SPECIFIC CONDITIONS**

#### **➤ Condition 1)**

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

#### **✓ Compliance**

**Loaded trucks has been covering with tarpaulin sheets since starting of the project to regulate dust emissions during transportation. Trucks are not overloading and the loads are maintained to the body level. Photographs showing the loaded trucks covered with tarpaulin sheets at the sites are given in Annexure No. 1.**

#### **➤ Condition 2)**

PPV to be kept below 10 mm/sec for the safety of nearby dwelling units.

#### **✓ Compliance**

**Maximum charge per day is maintained below 10kg to limit the PPV values within 10mm/sec.**

#### **➤ Condition 3)**

Fly rock should not cross the lease area.

#### **✓ Compliance**

**To avoid fly rocks cross the lease area, different safety actions has arranged in connection with the present project. Which includes avoid blasting during unfavorable weather conditions, maintain optimum delay sequence and stem to column ratio to minimize the fly rock distance etc.**

➤ **Condition 4)**

Spent oil from DG sets should be disposed off as per Hazardous Waste (Management & Handling) rules and send to stores for disposal through authorized agents.

✓ **Compliance**

**Spent oil from DG sets has been reusing since the starring of the project for different purposes.**

➤ **Condition 5)**

Amount should be earmarked for CSR components as per the provisions of Companies Bill, 2011.

✓ **Compliance**

**The CSR amount proposed by the company has been spending for various social activities. The Major CSR activities includes materials supply for construction works, marriage support, donation to socio cultural activities, medical aid, education aid etc. CSR Register is maintaining**

➤ **Condition 6)**

Consent from the abutting property owners must be obtained prior to starting the mining operations.

✓ **Compliance**

**Not Applicable. All the abutting properties of the project area owned by company itself.**

➤ **Condition 7)**

The space provided for stacking the overburden proposed in the slope should be relocated to a lower elevation.

✓ **Compliance**

**Area arranged for stacking the overburden planned in the slope was relocated to a lower elevation and the photograph showing the relocated area and stacked overburden are enclosed as Annexure 2.**

➤ **Condition 8)**

The existing GT station in the site should be preserved.

✓ **Compliance**

**Not Applicable. There is no existing GT station within the project area.**

➤ **Condition 9)**

Conducting the mining operations in the entire area under possession as one block including the existing one, since fragmenting the project causes unplanned quarrying with loss of extractable reserves.

✓ **Compliance**

**Mining operation is conducting in the entire lease area as one block.**

➤ **Condition 10)**

The original conceptual mining plan should be revised and mining operations executed as per the revised plan approved by SEAC.

✓ **Compliance**

**The original conceptual mining plan was revised and mining operations has been executing as per the revised plan approved by SEAC since the starting of the project.**

➤ **Condition 11)**

Arrangements must be made to provide adequate safe drinking water to all project workers.

✓ **Compliance**

**Drinking water for the workers are providing from rain water harvesting system and the quality of drinking water is periodically analyzing by accredited laboratories (Polluchem Laboratories (P) LTD). Water demand for the project is around 4KL every day and the water demand being met from rain water. The copy of the water quality report is given in Annexure 3. Separate water treatment systems has installed in the canteen and quarry site. Combined UV and Cartridge filter System has provided in the canteen and Pre filter system has installed in the mining site. Photograph showing the filter systems are enclosed as Annexure 4.**

**PART - B - GENERAL CONDITIONS**

➤ **Condition 1)**

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



### ✓ Compliance

Two excavated pit (Pit 1 and Pit 2) and one concrete tank has been using as rainwater harvesting system having the capacity of 2700000, 1800000 and 80000 liters respectively. Photograph showing the same is enclosed as Annexure A. Details of the rainwater harvesting systems are as follows.

Sl. No.	Type	Length (m)	Width (m)	Height (m)	Capacity (L)
1	Excavated mine pit 1	30	15	6	2700000
2	Excavated mine pit 2	25	12	6	1800000
3	Concrete tank	10	4	2	80000

### ➤ Condition 2)

Environment monitoring cell as agreed under the affidavit filed by the proponent should be formed and made functional.

### ✓ Compliance

An environmental monitoring cell has formed with Mr. Joseph Jacob (Managing Director of the Company) as head of the monitoring cell. Meeting of monitoring cell has been arranging monthly and discuss the status of the compliance of the specific and general conditions stated in the Environmental clearance order since the starting of the project. 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)	<b>Mr. Joseph Jacob</b>
2	Head in charge (Environment)	Mr. Girish Menon
3	Senior Environmental Officer	Dr. Rinoy Varghese
4	Environmental Officer	Mr. Navin Xavier
5	Name of the environmental officer in charge at site	Mr. Thomas Abraham T
6	Name of the officer Environment, Health and safety at site.	Mr. Hemanth
7	Name of the Asst. officer of	Mr. Ratheesh Kumar G

	Environment, Health and safety at site	
8	Name of the environmental consultant	M/s Environmental Engineers & Consultants Pvt. Ltd
9	Address of Environmental laboratory	M/s Poluchem Laboratory Pvt. Ltd.

➤ **Condition 3)**

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

✓ **Compliance**

**Lots of natural vegetation including trees and shrubs are occurring along the sides of tarred road and parking areas. We planted the area with less vegetation by tree saplings and the photograph showing the same is given in Annexure B. Details of the tree species planted as follows.**

Sl. No.	Scientific Name	Common Name	Family
1	<i>Cassia fistula</i> L.	Indian Laburnum/Kanikkonna	Fabaceae
2	<i>Mangifera indica</i> L.	Mango tree/Mavu	Anacardiaceae
3	<i>Bambusa vulgaris</i> Schrad.	Golden Bamboo/ Manjamula	Poaceae
4	<i>Phyllanthus emblica</i> L.	Indian Gooseberry/Nelli	Phyllanthaceae

➤ **Condition 4)**

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

✓ **Compliance**

**In connection with the present project, the project team has installed devices for solar energy generation. Five solar lights were installed along the road side, crusher unit etc.**

➤ **Condition 5)**

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

✓ **Compliance**

**Along the road sides of the project area, the Company has provided fixed water sprinkling. The road system without sprinklers has been periodically watering by**

sprinkler system installed in tipper lorry. Crushing units has also fitted with Sprinkling System to suppress dust generated during Crushing & Screening operation. Photograph showing the same is enclosed as Annexure C and Ca.

➤ **Condition 6)**

The eco-restoration plan submitted with the proposal should be fully implemented.

✓ **Compliance**

Subsequent to the shutting of the present project, ten percent of the mined out region will be maintained as water storage area. In the remaining area, The Company plans to develop a green belt after reclaimed with stacked dumping and overburden.

➤ **Condition 7)**

At least 10 percent of the excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly.

✓ **Compliance**

After the closing of the mine, ten percent of the excavated pit area will have 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. List of selected indigenous plants for green belt development is given below.

Sl. No.	Scientific Name	Common Name	Family
1	<i>Cassia fistula</i> L.	Indian Laburnum/ Kanikkonna	Fabaceae
2	<i>Mangifera indica</i> L.	Mango tree/ Mavu	Anacardiaceae
3	<i>Mimusops elengi</i> L.	Spanish Cherry/ Elanji	Sapotaceae
4	<i>Phyllanthus emblica</i> L.	Indian Gooseberry/ Nelli	Phyllanthaceae
5	<i>Syzygium cumini</i> (L.) Skeels	Black Plum	Myrtaceae

➤ **Condition 8)**

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

✓ **Compliance**

**The present project consists of an area of 4.8367 hectare and the entire project requires close to 5,500 liters of water per day. Two excavated pit (Pit 1 and Pit 2) and one concrete tank are using as rainwater harvesting system having the capacity of 2700000, 1800000 and 80000 liters respectively. The pits can store water for all the years, and makes the company self-sufficient in its water needs. Since the bottom and walls of the pits are hard rock which prevents water from seeping into the ground.**

➤ **Condition 9)**

Corporate Social Responsibility agreed upon by the proponent should be implemented in tune with the conditions specified in Companies Bill, 2011.

✓ **Compliance**

**As part of the Corporate Social Responsibility, the amount agreed by the company is spending for various social activities.**

➤ **Condition 10)**

Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that the falling of animals/human/belongings/dumping of garbage's etc. does not happen.

✓ **Compliance**

**Around the mining area, project team has installed barbed metal wire fencing with a height of 5 ft to prevent falling of animals/human/belongings/dumping of garbage's etc.**

➤ **Condition 11)**

Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of explosive department.

✓ **Compliance**

**Warning alarms has installed in the project area and maintaining properly. The blasting time is fixed and it is between 5.30pm and 6.0pm. A danger board with**

blasting time has installed in the project site. The photographs showing the danger board as enclosed as Annexure C0.

➤ **Condition 12)**

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

✓ **Compliance**

**Noise pollution**

**Mitigation measures Implemented**

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

- Proper maintenance of machinery, equipment and improvement of design of machines.
- Personal protective devices i.e., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- Maintain a wide green belt of dense foliage between mine areas and residential colonies.
- The mining area is working only during day times.
- Noise quality is checking periodically. The sound levels are monitored through an NABL accredited laboratory during the quarry in operation and the monitored results are well within the permissible limits. The copy of the ambient noise monitoring report is enclosed as Annexure No. C1.

**Blast vibrations and control measures**

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.

➤ **Condition 13)**

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

✓ **Compliance**

**Quarry operation is carrying out only during day time.**

➤ **Condition 14)**

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

✓ **Compliance**

**Blasting**

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

**Blasting safeguard**

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

➤ **Condition 15)**

A licensed person should supervise/control the blasting operations.

✓ **Compliance**

Licensed person is supervising/controlling the blasting operations. Copy of license of the licensed person supervising/controlling the blasting operations are enclosed as Annexure C2 and C3.

➤ **Condition 16)**

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

✓ **Compliance**

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

➤ **Condition 17)**

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

✓ **Compliance**

The quantity topsoil and overburden is estimated to be 17306m<sup>3</sup> and 22,539m<sup>3</sup> respectively (Pit 1 and pit 2 together). The excavated top soil is used for plantations and remaining soil has been keeping separately in a prefixed location. The stored soil has stabilized by planting grasses and herbs on them.

➤ **Condition 18)**

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

✓ **Compliance**

Granite stone from the project area is excavating in the form of benches. The photograph showing the bench type mining is enclosed as Annexure D0.

➤ **Condition 19)**

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

✓ **Compliance**

Unique securities have set down to prevent fly rocks cross the lease area. Blasting during unfavorable weather conditions is avoided. Maintain optimum delay sequence and stem to column ratio to minimize the fly rock distance.

**Condition 20)**

Mining depth should not exceed beyond 40m, unless otherwise specified or not below the level of nearest stream bed whichever is less.

✓ **Compliance**

**In the present quarry project, the exploitation of mineral is from 240-185 m MSL in conceptual phase. Mining depth will not exceed beyond 40m.**

➤ **Condition 22)**

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

✓ **Compliance**

**The crusher unit is encircled by green belt and a hollow brick envelope is also constructed around the crusher unit. The photographs showing the same is given in Annexure D1**

➤ **Condition 23)**

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

✓ **Compliance**

**Workers are using personal protective devices such as earmuffs, ear plugs, helmet etc. at the site. The photographs showing the workers with personal protective devices are enclosed as Annexure D2**

➤ **Condition 24)**

Assurance in the form of affidavit should be given to SEIAA that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.

✓ **Compliance**

**Assurance in the form of affidavit stating that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent was submitted to SEIAA on March 2014 and the copy of the same is attached at Annexure E.**



➤ **Condition 25)**

Assurance in the form of affidavit should be given to SEIAA that only a maximum of 10 percent of the total mine area shall be retained as water body, which shall be lined properly and further provided with protective wall to prevent accidents.

✓ **Compliance**

**Assurance in the form of affidavit stating that a maximum of 10 percent of the total mine area will be retained as water body, which will be lined properly and further provided with protective walls to prevent accidents was submitted to SEIAA on March 2014 and the copy of the same is attached at Annexure F.**

➤ **Condition 26)**

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

✓ **Compliance**

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

➤ **Condition 27)**

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

✓ **Compliance**

**Storm water from entire project area is channelized in to an abandon excavated pit and stored the storm water in it. During this storage all the debris/slit in the storm water are sedimented in to the bottom of the pit. Flooded water from the pit is released only from the top area and the opening is covered by net to trap floating waste. Sediment from the pit is removed and disposed annually. Overflow from the storm water collected pit is opened in to Garland drains which entering to the main stream. These garland drains are also provided with Check dam model silt/debris**

trap. Again these drains are entering in to a desiltation tank before inflowing to natural streams. This arrangement will prevent the passage of waste from the quarry site to the main streams and the photograph showing the same is enclosed as Annexure G1.

➤ **Condition 28)**

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

Sl. No.	Annexure	Statutory approvals
1	H1	License to possess: (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7.
2	H2	PCB Consent
3	H3	License from Panchayat

✓ **Compliance**

All statutory approvals required for the quarrying activity is obtained for the project. The details regarding the same along with the copy of the statutory approvals are enclosed as Annexure H1, H2 & H3. Details of statutory approvals are given below.

➤ **Condition 29)**

In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this authority.

✓ **Compliance**

**Would be complied**

➤ **Condition 30)**

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

✓ **Compliance**

**Would be complied**

➤ **Condition 31)**

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 32)**

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](http://www.seiaaKerala.org). The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the office of this authority as confirmation.

✓ **Compliance**

**Regarding the accordance of environmental clearance to the quarrying activity was advertised in two local newspapers and the copy of the same was submitted to SEIAA Kerala. The copies of the advertisements are provided at Annexure No. I1 & I2. Details of the newspaper advertisements are given below.**

Sl. No.	Annexure	Name of the Newspaper and edition	Dated
1	I1	The New Indian Express	11/11/2013
2	I2	Mathrubhumi	11/11/2013

➤ **Condition 33)**

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 Ayyampuzha Panchayat office. The acknowledgment received is enclosed as Annexure No. I3. There is no suggestion/representation received so far from anybody. The environmental clearance order is uploaded in the website of the company and it can be seen in the website [www.msand.in](http://www.msand.in)**

➤ **Condition 34)**

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**

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

➤ **Condition 35)**

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 of Times New Roman font size of not less than 40.

✓ **Compliance**

**The conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font was installed. The photographs showing the metallic board is given in Annexure I4.**

➤ **Condition 36)**

The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.

✓ **Compliance**

**An affidavit stating that all the conditions stipulated in the Environmental clearance will be scrupulously followed was submitted to Department of Environment and climate change on 23.08.2013 and the copy of the same is enclosed as Annexure J.**

➤ **Condition 37)**

Time schedule for completion of project should be informed to SEIAA.

✓ **Compliance**

**The proposed projects consist of an area of 4.8367 hectare and include 2 pits. The expected life of the mine is 3.28 years (Pit 1) and 2 years (Pit 2). Mining has started during 2013 and the closure of the mine will be during 2018-2019.**

## ANNEXURE 1



**Photographs showing the trucks covered with tarpaulin sheets after loading**



## ANNEXURE 2



**Photograph showing the relocated Space provided for stacking the overburden**

## ANNEXURE 3


**POLUCHEM LABORATORIES (P) LTD.**
**CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY**
**PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104**

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

TEST REPORT

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Ref.No. PL/RT/PW/505/2018

Date of Issue: 27/01/2018

Name &amp; address of customer

 : M/s .Poabs Granite Products (P)Ltd  
 Chully P.O, Angamaly

Project Site

 : M/s.Poabs Granite Products Pvt.Ltd  
 Chully P.O, Angamaly,  
 Sy.No. 373/1,373/2,378/2-2,372/1-2,  
 164/1-187,164/1-30,164/1-149,164/1-39  
 Panchayath- Ayyampuzha , Taluk- Aluva  
 Dist- Ernakulam,Kerala

Sample drawn by

: Poluchem Laboratory Sample Collector

Sample description

: Water Sample

Location of sampling

: Pond Water

Date of sample collected

: 19/01/2018

Date of analysis started

: 19/01/2018

Date of completion of analysis

: 25/01/2018

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983	3 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983	8.12	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 15 – 1984	78 mg/l	500 mg/l
Total Hardness as CaCO <sub>3</sub>	IS 3025 (P) 21 – 1983	40 mg/l	200 mg/l
Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (P) 23 – 1986	25.76 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986	BDL	0.2 mg/l
Chloride as Cl <sup>-</sup>	IS 3025 (P) 32 – 1988	10.99 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991	9.61 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994	3.88 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003	0.05 mg/l	0.3 mg/l
Sulphate as SO <sub>4</sub>	IS 3025 (P) 31 – 1988	20.35 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 – 2008	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

 SREEJA RAMESH  
 QUALITY MANAGER  
 POLUCHEM LABORATORIES (P) LTD.

Authorized signatory





# POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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Continuation of Test Certificate No: 505/2017

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

Note : BDL – Below Detection Level

## MICROBIOLOGY ANALYSIS

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

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH  
QUALITY MANAGER  
POLUCHEM LABORATORIES (P) LTD.  
Authorized signatory

\* End of the report\*

The above results are related only to the sample submitted for analysis. This test report shall not be reproduced except in full, without the written approval of the laboratory.

## ANNEXURE 4



Photograph showing the water filter systems installed in the canteen and project site

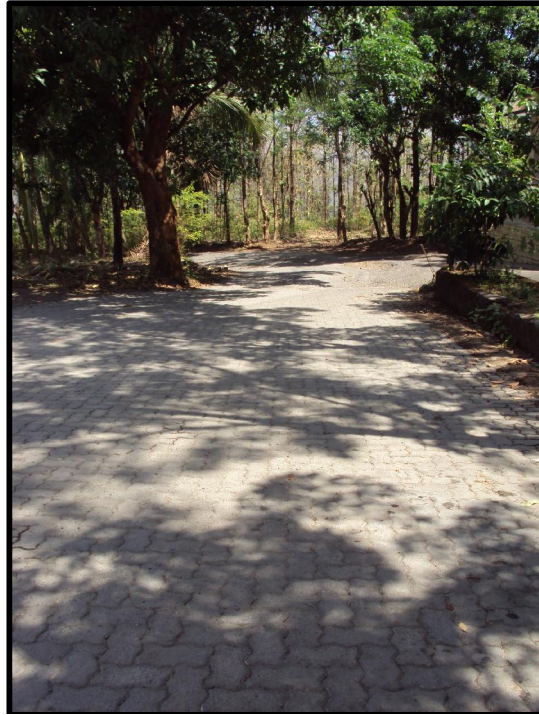


## ANNEXURE A



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

## ANNEXURE B



**Photograph showing avenue trees planted along the road sides**



## ANNEXURE C



**Photographs showing the Fixed Water Sprinkling System installed on the road sides and crushing unit**

## ANNEXURE Ca



**Photograph showing watering on road through sprinkler system installed in tipper lorry**

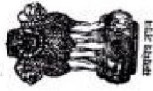


## ANNEXURE C0



**Photographs showing the danger board (Blasting zone)**

## ANNEXURE C2



खान अधिनियम 1952  
THE MINES ACT 1952

द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र धातुउत्पादक खान के प्रबंध हेतु  
MANAGER'S SECOND CLASS CERTIFICATE OF COMPETENCY TO MANAGE A METALLIFEROUS MINE  
(धातुउत्पादक खान विनियम, 1961 के अन्तर्गत)  
(Under the Metalliferous Mines Regulations 1961)

हेमन्त कुमार जी.

जिनकी जन्म तिथि 11~05~1960 है, विनियम 18 के अन्तर्गत अनुमोदित खनन अभियांत्रिकी में डिप्लोमा प्राप्त करने पर एवं दिनांक अक्टूबर, 1999 को आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा धातुउत्पादक खान के प्रबंध हेतु द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 03~05~2000 से प्रभावी समझा जाएगा।

Hemant Kumar M.

born on 11<sup>th</sup> May, 1960  
in Mining Engineering approved under Regulation 18 and having passed the prescribed examination held on October, 1999 is hereby granted MANAGER'S SECOND CLASS CERTIFICATE OF COMPETENCY to manage a metalliferous mine. This Certificate is effective from 03~05~2000



प्रधान प्रबंधक  
प्रमुख अधिकारी

सदस्य

खनन परीक्षा बोर्ड

Members of the Board of  
Mining Examinations.

Signed and Sealed

Date :

19

13 SEP 2000

सदस्य

खनन परीक्षा बोर्ड

Members of the Board of  
Mining Examinations.

अध्यक्ष

खनन परीक्षा बोर्ड

Chairman of the Board of  
Mining Examinations



निबंधित

भारत सरकार  
श्रम मंत्रालय  
खान सुरक्षा महा निदेशालय

सं०-परीक्षा/छूट/FM(UR)/506/6/90/18. अन्याद, दिनांक 25/1/90+98.

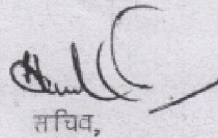
सेवा में

Shri Hemanth Kumar V,  
S/O, Shri Shadagoparam V,  
No.005, Smith Road,  
Near Parkinson School, Oorgaum,  
P.O. K.G.F. - 563 120

ज्ञापन

संदर्भ:- दिनांक 27.7.1989 का उनका आवेदन-पत्र।

भारत सरकार के दिनांक 13-12-1974 की अधिसूचना सं०-एस० ओ० 712 ई० के आधार पर श्री Shri Hemanth Kumar V जो श्री Shri Shadagoparam V के पुत्र हैं, Foreman Exemption (Un-Restricted) प्रमाण पत्र धारण करने की हैसियत से ~~अधिनियम 1961 के अन्तर्गत~~ धातुमय खान विनियम, 1961 के अन्तर्गत ~~प्रमाणित~~ हैं, में दिनांक 3.6.1989 से उस समय तक काम करने की पात्रता प्राप्त कर चुके हैं जब तक उपरोक्त अधिनियम लागू रहता है।



सचिव,

Encl: 5.

खान परीक्षा बोर्ड एवं  
खान सुरक्षा निदेशक (परीक्षा)

सुरेश/7.12.88.

## ANNEXURE D



**Photographs showing access road to the quarry**



## ANNEXURE D0



**The photograph showing the bench type mode of mining**

## ANNEXURE D1



**The photographs showing the crusher unit encircled by green belt, hollow brick envelope and metal sheet envelop**



## ANNEXURE D2



The photographs showing the workers with personal protective devices

## ANNEXURE E



കേരളം KERALA

AFFIDAVIT

AH 236967

I, Joseph Jacob, Director & authorized signatory of M/s POABS Granite Products Pvt. Ltd. having its correspondence office at Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala do hereby affirm and confirm as follows:-

1. That, M/s. POABS Granite Products Pvt. Ltd. running a Quarry Project at Survey Nos. 373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187, Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam 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.

DEPONENT

Place: Tiruvalla

Date: 18.03.2014

*Solemnly affirmed and signed before me by the deponent who is personally known to me in my office at Thiruvalla on this the 18th day of March 2014.*



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

17/3/2014  
Joseph Jacob  
Managing Director

P. KRISHNAN KUTTY NAIR



## ANNEXURE F



കേരളം KERALA

AFFIDAVIT

AH 236966

I, Joseph Jacob, Director & authorized signatory of M/s POABS Granite Products Pvt. Ltd. having its correspondence office at Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala do hereby affirm and confirm as follows:-

1. That, M/s. POABS Granite Products Pvt. Ltd. running a Quarry Project at Survey Nos. 373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187, Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala.
2. That, a maximum of 10% of the total mine area shall be retained as water body, which shall be lined properly and provided with protective wall to prevent accidents

DEPONENT

**Verification:**

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

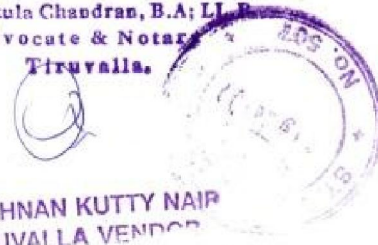
*Solemnly affirmed and signed  
before me by the deponent who  
is personally known to me in  
my office at Tiruvalla on this  
the 18.03 day of March 2014.*

DEPONENT

Place: Tiruvalla  
Date: 18.03.2014



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



12/3/2014

10100 Joseph Jacob  
Managing Director

M/s POABS Granite Products Pvt. Ltd.  
P. KRISHNAN KUTTY NAIR  
THIRUVALLA VENDOR



## ANNEXURE G



**Photograph showing Garland drains with silt/debris trap and desiltation tank**



## ANNEXURE G 1



**Photograph showing opening of storm water collecting pit guarded with net trap**

## Annexure H1



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/22/368(E11870)

Dated : 30/03/2015

To,  
Shri JOSEPH JACOB Managing Director,  
POABS GRANITE PRODUCTS PVT. LTD. KUTTOOR-post, THIRUVALLA  
Town/Village - KUTOOR  
Distt. PATHANAMTHITTA, State. Kerala, Pincode-689106

Subject: Possession for Use of Explosives from magazine at Survey No(s):164/1-90, Village/Town,  
Ayyampuzha, Aluva-taluk, Distt. ERNAKULAM, State Kerala Licence No.: E/SC/KL/22/368(E11870)  
granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

Sir(s),

Reference to your letter No.: E/SC/KL/22/368(E11870) dated: 12/01/2015, the subject licence duly renewed upto 31/3/2020 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

**Conditions:**

1) Valid authorized quarry permit and local state govt. authorities approval as applicable renewed from time to time shall be in possession. 2. If any change of quarry or additional quarry is involved necessary prior approval/ endorsement from the licensing authority is Jt. Chief Controller of explosives, shall be in possession.

For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2020.

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

- Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office. (Not applicable for fireworks store house)
- Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter. (Not applicable for fireworks store house)
- All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act.

An amount of Rs. 120/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

**Enclosures :**

Yours faithfully,

(A.B. Tamgadge)

Controller of Explosives  
For Dy. Chief Controller of Explosives  
उप मुख्य विस्फोटक निरीक्षक  
For Deputy Chief Controller of Explosives  
एरनाकुलम / Ernakulam


Copy Forwarded to:



**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 mag:**

Licence No. : E/SC/KL/22/368(E11870)  
Annual Fee Rs:2400/-



1. Licence is hereby granted to : **Shri JOSEPH JACOB.Managing Director (Occupier : JOSEPH JACOB)**  
**POABS GRANITE PRODUCTS PVT. LTD.KUTOOR**  
**post,THIRUVALLA, Town/Village - KUTOOR**  
**District-PATHANAMTHITTA, State-Kerala, Pincode - 689106**

2. Status of licensee : **Individual**

3. Licence is valid only for the following purpose : possess for use of **Electric and/or Ordinary Detonators, Nitrate Mixture, Safety Fuse,**

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	500 Kg.
2.	Safety Fuse	6 ,1	0	5000 Mtrs
3.	Electric and/or Ordinary Detonators	6 ,3	0	7500 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/22/368(E11870) dated : 12/12/2002**

6. The licensed premises are situated at following address:  
**Survey No(s). 164/1-90 , Town/Village : Ayyampuzha,Aluva-taluk**  
**Police Station : ANGAMALY** **District : ERNAKULAM** **State : Kerala**  
**PinCode :** **Phone :** **E-Mail :** **Fax :**

7. The licensed premises consist of following facilities : **TWO PORTABLE MAGZINES B & S type.**

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 2004**

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.

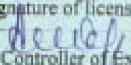
The Date: 12/12/2002

**Joint Chief Controller of Explosives**  
South Circle, C

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/05/2011
- Amendment in Drawings/Facilities/Premises dated : 04/10/2012


Endorsement for renewal of licence:


Date of Renewal	Date of Expiry	Signature of licensing authority
03/03/2015	31/03/2020	 Dy. Chief Controller of Explosives, Ernakulam रूत उप मुख्य विस्फोटक नियंत्रक For Deputy Chief Controller of Explosives एरनाकुलम / Ernakulam

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

## ANNEXURE H2

**FILE NO : PCB/EKM/DO-1/OA-663/16**  
**Date of issue : 27/09/2016**





**KERALA STATE POLLUTION CONTROL BOARD**

**CONSENT TO**

**OPERATE/AUTHORISATION/REGISTRATION**

**ISSUED UNDER**

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

and

The Environment (Protection) Act, 1986


As per Application No. :3707727  
Dated:29-08-2016

**TO**

**M/s POABS GRANITE PRODUCTS PVT LTD**

**CHULLY P.O.,  
ANGAMALY,  
ERNAKULAM**

**Consent No. :R16ERRCTO3707654**  
**Valid Upto :22/08/2018**





**1. GENERAL**

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	<b>VALIDITY</b>	22/08/2018
2	Name and Address of the establishment	POABS GRANITE PRODUCTS PVT LTD CHULLY PO, ANGAMALY, ERNAKULAM 683581
3	Communication	Telephone :91-9142575300 Fax :- E-mail:agiy@poabs.in
4	Occupier Details	BINU K MATHEW, DIRECTOR, POABS GRANITE PRODUCT PVT LTD, CHULLY PO, ANGAMALY PIN-683581
5	Local Body	AYYAMPUZHA
6	Survey Number	164/I-187, 372/I-2
7	Village	AYYAMPUZHA
8	Taluk	ALUVA
9	District	ERNAKULAM I
10	Capital Investment(Rs in Lakhs)	Rs.90 Lakh
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	Rs.15,000/-
	Total Fee remitted(Rs)	Rs.45,000/-
14	RAW MATERIAL	PRODUCTS
		QUARRYING ACTIVITY IN 2.0866 HECTARES, PRODUCTION AS PER MOVEMENT PERMIT OBTAINED FROM M & G DEPT
15	Total Power Required (HP)	

**2. CONDITIONS AS PER****The Water(Prevention and Control of Pollution)Act, 1974**

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption:
- 2.3 Effluent generation: NIL
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:





Sl. No.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent
1	NA	NA	NA	NA

2.5 Mode of disposal of treated effluent: NA

### 3. CONDITIONS AS PER

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

3.1 Adequate air pollution control measures shall be operational at all times during the functioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate (Nm <sup>3</sup> /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	
1	NA	NA	NA	NA	NA

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm <sup>3</sup> )
1	NA	NA

### 4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

4.1 The operation of the industry shall be strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

4.3.2 Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows:

Sl.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
1	NA	NA	NA

Mode of	
Storage	Disposal
NA	NA





4.4 E-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2016.

#### 5. SPECIFIC CONDITIONS

5.2 For renewal of the consent in case of continuance of operation of the quarry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 3 months prior to the date of expiry. Late application will be accepted only with fine. .

5.3 The consent issued from the board is only with respect to the powers vested under the water Act 1974 Air Act 1981 and The Rules there under. The operation of the quarry shall be commenced only after obtaining clearances from all concerned Authorities.

5.4 There shall not be any quarrying activity between 6 pm to 6 am

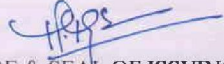
5.5 Mining activities shall be done only in the area marked by Mining & Geology.

5.6 The PM10 in ambient air at the boundary shall not exceed 100 microgram/m<sup>3</sup>

5.7 The PM 2.5 in ambient air at the boundary shall not exceed 60 microgram/m<sup>3</sup>

5.8 The sound level (Leq) at 1 m outside the boundary of the site should not exceed the ambient noise Standard applicable to the adjoining areas.

DATE :29/09/2016

  
SIGNATURE & SEAL OF ISSUING AUTHORITY

OFFICE SEAL

To

BINU K MATHEW,  
DIRECTOR,  
POABS GRANITE PRODUCT PVT LTD,  
CHULLY PO, ANGAMALY PIN-683581







**ലൈസൻസുടമസ്ഥർ താഴെ പറയുന്ന വ്യവസ്ഥകൾ അനുസരിക്കേണ്ടതാകുന്നു.**

1. പഞ്ചായത്ത് രാജ് ആക്ടും അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ചു പ്രവർത്തിക്കേണ്ടതാകുന്നു.
2. തൊഴിൽ സ്ഥലവും പരിസരങ്ങളും വെടിപ്പായും വൃത്തിയായും സാംക്രമികരോഗാണുക്കൾ ഉണ്ടാകാത്തവിധത്തിലും പൊതുജനോപദ്രവമാകാത്ത വിധത്തിലും വ്യാപാരത്തിനു വച്ചിട്ടുള്ള ക്ഷേണപദാർത്ഥങ്ങൾ ഈച്ച, അണുക്കൾ, പൊടി മുതലായവയുടെ ശല്യം ഉണ്ടാകാത്ത വിധത്തിലും സൂക്ഷിക്കേണ്ടതാണ്.
3. തൊഴിൽ സ്ഥലവും അതിലുള്ള സാധനസാമഗ്രികളും പഞ്ചായത്തിലുകാണികൾക്കൊ/സെക്രട്ടറി അധികാരപ്പെടുത്തുന്ന മറ്റ് ഉദ്യോഗസ്ഥർക്കോ പരിശോധിക്കുന്നതിന് ലൈസൻസുടമസ്ഥർ വേണ്ട സൗകര്യം നൽകേണ്ടതും അവർ ആവശ്യപ്പെട്ടാൽ ഈ ലൈസൻസ് കാണിക്കേണ്ടതുമാകുന്നു.
4. പഞ്ചായത്തിൽ നിന്നും അനുവാദം സ്വീച്യശേഷമല്ലാതെ തൊഴിൽ സ്ഥലം മാറ്റാവുന്നതല്ലാത്തതും തൊഴിൽ നിർത്തുന്ന പക്ഷം വിവരം മുൻകൂട്ടി പഞ്ചായത്തിൽ അറിയിക്കേണ്ടതുമാകുന്നു.
5. ഏതൊരു പ്രവർത്തി ദിവസത്തിന്റെയും ഒടുവിൽ സ്ഥലം വൃത്തിയാക്കേണ്ടതാണ്.
6. ആ സ്ഥലത്തിന്റെയോ പുരയിടത്തിന്റെയോ, ഏതെങ്കിലും ഭാഗത്ത് വിഴുക്യോ നീക്കേപ്പിക്കപ്പെടുകയോ ചെയ്യുന്ന ചപ്പുചവറോ, മൃഗങ്ങളുടെ തൂങ്ങുകളോ മറ്റ് പദാർത്ഥമോ ശേഖരിച്ച് സെക്രട്ടറിക്ക് തൃപ്തികരമായ രീതിയിൽ നീക്കം ചെയ്യിക്കേണ്ടതാണ്.
7. ലൈസൻസുകാരൻ ഏതൊരു കെട്ടിടത്തിന്റെയും ചുമരുകളുടെ അകവശത്തിന്റെ ഏതൊരു ഭാഗവും മേൽപറഞ്ഞ പുരയിടത്തിലുള്ള തറയും നടപ്പാതയും അവിടെ തെറിപ്പിടിപ്പിടുന്നിടങ്ങളുള്ള ഏതെങ്കിലും ദ്രാവകമോ, മാലിന്യമോ ചപ്പുചവറോ, 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 കുച്ചവടം നടത്തുന്നതിന് ഉപയോഗിക്കുന്ന യാതൊരു പരിസരത്തും പ്രവർത്തിക്കുവാൻ പാടില്ലാത്തതാകുന്നു.
10. ഏത് സ്ഥലത്തിന്റെ കാര്യത്തിൽ ലൈസൻസ് നൽകിയിരിക്കുന്നുവോ ആ സ്ഥലത്ത് എല്ലാവരും കാണത്തക്കവിധത്തിലുള്ള ഒരു ഭാഗത്ത് ലൈസൻസുകാരൻ തന്റെ പേരും, ലൈസൻസിന്റെ നമ്പരും ഉദ്ദേശവും കാണിക്കുന്ന ഒരു അടയാളപ്പലക വച്ചിരിക്കേണ്ടതാണ്.
11. അയിത്തം ആചരിക്കുന്ന കടകളുടെ ലൈസൻസ് റദ്ദുചെയ്യുന്നതാണ്.
12. മുകളിൽ കാണിച്ചിരിക്കുന്ന വ്യവസ്ഥകളിൽ ഏതെങ്കിലും ലംഘിക്കുന്ന പക്ഷം ഈ ലൈസൻസ് റദ്ദു ചെയ്യുന്നതാണ്.



*[Signature]*  
**K.A. Sirojudeen**  
 SECRETARY  
 Ayyampuzha Grama Panchayat  
 Ph : 0484 - 2696690  
 Mob : 9496045729



## ANNEXURE 11



**MARATHANASIOUS COLLEGE OF ENGINEERING**  
**KOTHAMANGALAM, KERALA, 686 666.**  
**Phone : 0485-2822363; Fax : 0485-2822931**

**TENDER NOTICE**

Scaled Tenders are invited for Purchase & Installation of Equipments to various Laboratories in various Departments under MODROB Scheme.

- 1) A3-713/13-(M) Structural Engg. Lab. in Civil Engineering Department  
(Approx. cost ₹4,68,000/-, cost of tender form - Rs.1,050/-)
- 2) A3-714/13-(M) Machine Tool Lab. in Mechanical Engineering Department  
(Approx. cost ₹16,89,000/-, cost of tender form - Rs.2,850/-)
- 3) A3-717/13-(M) Machine Dynamics Lab. in Mechanical Engineering Department  
(Approx. cost ₹15,00,000/-, cost of tender form - Rs.2,530/-)
- 4) A3-712/13-(M) Power Electronics Lab. in Electrical Engineering Department  
(Approx. cost ₹12,40,000/-, cost of tender form - Rs.2,100/-)
- 5) A3-715/13-(M) High Voltage Lab. in Electrical Engineering Department  
(Approx. cost ₹16,78,000/-, cost of tender form - Rs.2,830/-)
- 6) A3-716/13-(M) Electrical Drives & Control Lab. in Electrical Engineering Department  
(Approx. cost ₹14,95,000/-, cost of tender form - Rs.2,520/-)
- 7) A3-718/13-(M) VLSI & Embedded Systems Lab. in Electronics Engineering Department  
(Approx. cost ₹2,75,000/-, cost of tender form - Rs.620/-)

Tenders should reach the undersigned on or before 7-10-13 at 3:00 p.m. Date and time for opening for Tenders on 8-10-13 at 11:00 a.m. Tender forms and detailed specifications can be had from the undersigned on payment of tender cost (including ST and AST) in person or by DD drawn in the name of "Principal, Mar Athanasius College of Engineering, Kothamangalam" on request enclosing a self addressed envelope affixing stamp worth ₹15/- for ordinary post and ₹32/- by registered post or can be downloaded from our website, [www.mace.ac.in](http://www.mace.ac.in) and submitted it with the D.D. for tender cost.

6 September 2013.

Principal.

**NOTICE**

This is to inform to the General Public that the proposed quarry project at Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala being developed by M/s. Poabs Granite Products Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 49 / SEIAA / KL / 7178 / 2012 dt. 02.09.2013 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](http://www.seiaa.kerala.org)

**V.O.CHIDAMBARANAR**  
**PORT TRUST**  
**MECH. & ELEC. ENGG. DEPARTMENT**

Event No. VOCPT/13-14/ET/54  
 This Port intends to Procure Safety Shoes at an estimate Value of Rs.11,83,261/- through e-procurement system. For further details please visit the website [www.mstcecommerce.com/](http://www.mstcecommerce.com/) [eprochome/vocpt](http://eprochome/vocpt).  
**CHIEF MECHANICAL ENGINEER**



**THE FERTILISERS AND CHEMICALS**  
**TRAVANCORE LIMITED**

(A Government of India Enterprise) REGD. OFFICE: ELOOR, COCHIN DIVISION,  
 ANIBALAMEDU, KOCHI-682 303, Ptc +91-484-2723242 / 2723677 Fax: +91-484-2720948,  
 E mail: [mpct@facttd.com](mailto:mpct@facttd.com), [marayanan@facttd.com](mailto:marayanan@facttd.com), Website: [www.fact.co.in](http://www.fact.co.in)

**Tender for Providing Pay Loader with Operators at Q-10 Berth, W. Island**

(Tender No. 04200 / 2013-2014 / 9842; Dated: 30.08.2013.)

Sealed item rate two Stage Tenders in two separate sealed covers, for unpriced Part-I and priced Part-II, enclosed in an **OUTER SEALED ENVELOPE SUPERSCRIBING TENDER AND DUE DATE** are invited from experienced and financially sound contractors for Providing pay Loader with Operators at Q-10 Berth, W. Island.

For details visit our website given above or contact the office of **Chief Engineer (P&P)-CD**. Earnest Money Deposit: ₹25000/- Last date and time for submission of tender is **25-09-2013 at 2.00 PM**. Tender Documents can be had from the Administrative office (CD) from **11-09-2013 to 24-09-2013** and can also be downloaded from the web site. Any change / extension to this tender will be informed only through our website and will not be published in the newspapers.

Chief Engineer (P&P)-CD

**NATIONAL RURAL HEALTH MISSION**

State Health & Family Welfare Society, State Programme Monitoring & Support Unit, Directorate of Health Services, General Hospital Junction,  
 Thiruvananthapuram 695035, Phone: 04712391181, 2302784  
 website: [www.arogyakeralam.gov.in](http://www.arogyakeralam.gov.in)

**TENDER NOTICE**

HLL/D/NRHM/13/68 10.09.2013  
 HLL Lifecare Ltd on behalf of NRHM invites sealed item rate tender for the work below: Date of Opening : 30.09.2013

Sl. No.	Name of Work	Estimated Amount (Rs)
1	SITC of lifts at Govt. Victoria Hospital, Kollam	55,33,000/-

Details are available in the websites [www.arogyakeralam.gov.in](http://www.arogyakeralam.gov.in) and [www.lifecarehll.com](http://www.lifecarehll.com)

DVP(Tech)

HLL JD Division, "Adarsh", T.C 6/1718(1), Vettamukku,  
 Thirumala P.O., Thiruvananthapuram- 695006

Sd/-

Deputy General Manager

**PUBLIC NOTICE**

This is to inform the consumers that signals of the MEDIA PRO Channels (comprising of Zee 24 Gantalu, 24 Ghanta, Zee 24 Taas, Cartoon Nw, CNN, ETC, Zee ETC Punjabi, HBO, Pogo, Warner Brothers, Zee Action, Zee Bangla, Zee Business, Zee Cafe, Zee Cinema, Zee Classic, Zee Jagran, Zee Kannada, Zee Marathi, Zing, Zee News, Zee UP UK, Zee Premier, Zee Punjab Haryana Himachal Pradesh, Zee Salaam, Zee Smile, Zee Studio, Zee Talkies, Zee Tamil, Zee Telugu, Zee Trendz, Zee TV, Star Movies, Star Plus, Star World, Star Gold, National Geographic Channel, Fox Traveller, Life OK, Star Vijay, Channel V, MGM, ABP Ananda, Star Jalsa, FX, Fox Crime, Nat Geo Wild, Nat Geo Adventure, Nat Geo Music, Baby TV, NDTV 24X7, NDTV Profit, NDTV Good Times, NDTV India, Suvama, Star Utsav, ABP News, Zee Khana Khazana, Movies OK, Star Pravah, ABP Majha, Asianet, Asianet Plus, Star Movies Action (Erstwhile Fox Action Movies), Zee Bangla Cinema, ZeeQ, Star Jalsa Movies, 3x, Asianet Movies, Zee Madhya Pradesh Chhattisgarh, Suvama Plus, Zee Rajasthan Plus, "8 Pictures" and Zee Anmol) are likely to be disconnected after three weeks from today to the following list of cable operator(s). The reason for deactivation of the following cable operator(s) are as under:

Cable Operator(s) Name Address

A) Non signing of fresh Subscription Agreement:

- M/s. Kensonic Cable Net Mayithara, Cherthala, Alappuzha- 688581, Kerala.

B) Non-payment of outstanding subscription fees and Non-signing of fresh subscription agreement :

- M/s. D M V Cable Network A.K Xavier Road, Ernakulam- 682005, Kerala.
- M/s. High Range Gurumandiram Road, Kattappanna, Thodupuzha, Idukki- 685508, Kerala.
- M/s. Malayalam AMC- 5, MC Road, Near YMCA Hostel, Adoor P.O- 691523, Kerala.

All the areas serviced by the Operator (s) and its franchisees will be affected.

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## ANNEXURE I3

Ayyampuzha Grama Panchayat 268031 Phone: 04842696690	
Inward NO	801
Date of Receipt	27/01/2014
Name of Applicant	roads granites products, 10, ayyampi
Subject	environmental clearance
Date of Delivery	
Section	A6
Remarks:	
Counter No. & Staff:	
Secretary	

Cheques are subject to realisation.

KREWS (GLM, KANJIKODE)

**ANNEXURE I4**

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



## ANNEXURE J



കേരളം KERALA

AB 023990

AFFIDAVIT

I, Joseph Jacob, Authorized Signatory of Poabs Granite Products Pvt. Ltd. having its correspondence office at Kuttoor P.O., Tiruvalla 689 106, Kerala do hereby affirm and confirm as follows:

1. That, the Poabs Granite Products Pvt. Ltd., proposed quarry project in Survey Nos. 373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187 at Ayyampuzha Village and Panchayath, Aluva Taluk, Ernakulam District, Kerala.
2. That, the EC proceedings number and date are 49/SEIAA/KL/7178/2012 dt. 23.08.2013.
3. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.

*Joseph Jacob*  
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 : Kuttoor  
Date : 14.09.2013

Solemnly affirmed and signed  
before me by the deponent who  
is personally known to me in  
my office at Thiruvalla on this  
the 14<sup>th</sup> day of September 2013.

*Joseph Jacob*  
DEPONENT



NO 23990/2013  
13/9/2013

Joseph Jacob, A.O.  
Poabs Granite Products Pvt. Ltd.  
Kuttoor Po

A. P. Gokula Chandran, N. A. LL.B. NAIR  
Advocate & Notary Public  
Thiruvalla  
P. KRISHNAN  
THIRUVALLA VENDOR

