



POABS GRANITE PRODUCTS PVT.LTD.

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The Director, DoECC & Secretary SEAC Kerala

15- 10-15

'Devi Kripa', Pallimukku, Pettah P.O,
Thiruvananthapuram,
Kerala - 695024.

Sub: Environmental Clearance - Proposed quarry project Sy. Nos. 373/1, 373/2, 378/2-2, 372/1-2 and 164/1-187, at Ayyampuzha Village and Panchayat, Aluva Taluk, Ernakulam District, Kerala - Compliance Report - Reg.

Ref: File No. 49/SEIAA/KL/7178/2012

Respected sir,

Our quarry project was accorded with Environmental Clearance vide Order No. 49/SEIAA/KL/7178/2012 Dt. 23-08-2013. Fourth compliance report to the specific and general conditions of the Environmental Clearance (hard copy and softcopy (CD)) for the period of March, 2015 - August, 2015 is enclosed.

Thanking you

Yours respectfully,
For M/s. POABS Granite Products Pvt. Ltd.

Joseph Jacob
(Managing 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: 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**

(March 2015 – August 2015)

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 March, 2015 – August, 2015 is being submitted.

PART - A – SPECIFIC CONDITIONS

➤ Condition 1)

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

Compliance

Trucks are covered with tarpaulin sheets after loading to control dust emissions during transportation. Trucks are not overloading and the loads are maintained to the body level. Speed of the vehicles is maintained at permissible limits. 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

Highest charge per delay is maintained below 10kg to limit the PPV values within 10mm/sec.

➤ Condition 3)

Fly rock should not cross the lease area.

Compliance

Distinctive safety measures were set down to avoid fly rocks cross the lease area. Blasting during unfavorable weather conditions is avoided. Keep optimum delay sequence and stem to column ratio to minimize the fly rock distance.

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 is reused.

➤ Condition 5)

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

Compliance

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

➤ Condition 6)

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

Compliance

Most of the abutting properties of the mining area within 100m radius 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

Spot provided 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 3

➤ Condition 8)

The existing GT station in the site should be preserved.

Compliance

Existing GT station within the project area will be preserved.

➤ 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 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 is revised and mining operations executed as per the revised plan approved by SEAC.

➤ **Condition 11)**

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

Compliance

Water demand for the project is around 4KLD every day and the water demand being met from storm water and bore well. Drinking water for project workers are provided from bore well and the quality of drinking water is periodically analyzed by accredited laboratories (Polluchem Laboratories (P) LTD). The copy of the water quality report is given in Annexure 4. Separate water treatment systems are installed in the canteen and project site. Combined UV and Cartridge filter System is provided in the canteen and Pre filter system is installed in the Project site. Photograph showing the filter systems are enclosed as Annexure 5

PART – B – GENERAL CONDITIONS

➤ **Condition 1)**

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

Compliance

Rain water harvesting systems are provided in the project site. 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. 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 was formed with Mr. Joseph Jacob (Managing Director of the Company) as head of the monitoring cell. Meeting of monitoring cell is arranging monthly and discuss the status of the compliance of the specific and general conditions stated in the Environmental clearance order. The details of the monitoring cell members are given below.

Sl. No.	Post	Name
1	Head of the monitoring cell (Managing Director of the Company)	Mr. Joseph Jacob
2	Head in charge (Environment)	Mr. VT Thomas
3	Senior Environmental Officer	Mr. 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 Environment, Health and safety at site	Mr. Ratheesh Kumar G
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 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

There is natural vegetation including trees and shrubs in 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.

SI 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

Solar energy devices will be installed within the project area shortly.

➤ **Condition 5)**

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

Compliance

Fixed Water Sprinkling System was installed along the road sides of the project area to a length of 0.5 km. The road system without sprinklers is periodically watered by sprinkler system installed in tipper lorry. Crushing units are 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

Following the shutting of the mine, ten percent of the excavated pit area will be maintained as water storage area. It is proposed to develop a green belt in the remaining area 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 closure of the mine, ten percent of the excavated pit area will be 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.

SI 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 proposed 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

Barbed metal wire fencing is installed around the mining area 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 are arranged in the project area and working properly. The blasting time is fixed and is between 5.30pm and 6.0pm. A danger board with blasting time is 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, equipments 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 is running 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

Most of the access road area to the quarry is tarred and some portions are constructed with concrete bricks. Roads are well maintained 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 17306m³ and 22,539m³ respectively (Pit 1 and pit 2 together). The excavated top soil is used for plantations and remaining soil is stored separately in a prefixed location. The stored soil is 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

Quarrying activity in the mine is in the form of benches. The proposed height and width of the bench will attain shortly. 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

Different precautions were 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. Mats to prevent fly rock during blasting will be arranged shortly.

➤ **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 quarrying 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 equipments 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

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. 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.

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.

Sl. No.	Annexure	Statutory approvals
1	H1	License to possess: (c) for use, explosives of class1, 2, 3, 4, 5, 6 or 7.
2	H2	Integrated consent to operate issued under Air act, 1981 and Environment act 1986.
3	H3	License from Panchayat

➤ **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. 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 news paper advertisements are given below.

Sl. No.	Annexure	Name of the News paper 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. 13. 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

➤ **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

Fourth 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

fond 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 was 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 3



Photograph showing the relocated Space provided for stacking the overburden and stacked overburden

**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
Certificate No: T-1658

'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/44/2014

Date of Issue: 21/01/2014

Name & 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,
Panchayath- Ayyampuzha, Taluk- Aluva
Dist- Ernakulam, Kerala

Sample drawn by : Self

Sample description : Pond water

Sample Code : A/44/2014

Date of sample collected : 14/01/2014


Date of analysis started : 15/01/2014

Date of completion of analysis : 20/01/2014

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	3 NTU	5 NTU
pH	IS 3025 (P) 11 - 1983	7.07	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 15 - 1984	63 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 - 1983	33.66 mg/l	300 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 - 1986	24 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	7.92 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 - 1991	9.52 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 - 1994	2.41 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 - 2003	0.20 mg/l	0.3 mg/l
Sulphate	IS 3025 (P) 31 - 1988	BDL	200 mg/l
Fluoride	IS 3025 (P) 60 - 2008	BDL	1 mg/l

Note: BDL - Below Detection Level

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH 
Authorized Signatory
Technical Manager

Analysis of Ambient air, Stack emission, Noise, Light, Water, Waste water / Effluent, Soil

**POLUCHEM LABORATORIES (P) LTD.**

ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY

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Page 12 of 02

Continuation of Test Certificate No: 45/2014

Parameters tested	Test method	Results	Desirable limit as per IS 10500
Selenium	APHA 3111B	BDL	0.01 mg/l
Arsenic	APHA 3111B	BDL	0.05 mg/l
Copper	APHA 3111B	BDL	0.05 mg/l
Manganese	APHA 3111B	BDL	0.1 mg/l
Cadmium	APHA 3111B	BDL	0.01 mg/l
Chromium	APHA 3111B	BDL	0.05 mg/l
Zinc	APHA 3111B	BDL	5 mg/l
Mercury	APHA 3111B	BDL	0.001 mg/l
Cyanide	APHA 4500 E	BDL	0.05 mg/l
Lead	APHA 3111 B	BDL	0.05 mg/l
Aluminum	APHA3500 D	BDL	0.03 mg/l
Boron	APHA 4500 B	BDL	1 mg/l

Note: BDL - Below Detection Level

MICROBIOLOGICAL TESTS

Parameters	Unit	Results	Desirable limit as per IS 10500
Coliforms	MPN/100ml	23	< 1
E coli	/100ml	Absent	Absent

For PoluChem Laboratories (P) Ltd.

SREEJA RAMESH
Authorized Signatory
Technical Manager

**POLUCHEM LABORATORIES (P) LTD.**

ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY

PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM -683 104

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

TEST REPORT

Client Name & Address	Certificate No:	PL/AMB/RT/38/2014
M/s .Poabs Granite Products (P)Ltd Chully P.O, Angamaly	Date of issue:	21/01/2014
	Date of monitoring	13/01/2014 15.00 Hrs to 14/01/2014 15.00 Hrs
	Date of sample received:	15/01/2014
	Date of analysis	15/01/2014
	Monitoring Location	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, Panchayath- Ayyampuzha ; Taluk- Aluva Dist- Ernakulam,Kerala
	Sample description	Ambient air – Near east side boundary
	Sample code given by client	Nil
	Sample identification No:	G/A/38/14

SL NO	PARAMETERS	TEST METHOD	RESULTS	LIMITS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 4 1999	70.3 µg/M ³	100 µg/M ³
02	Particulate Matter (PM _{2.5})	CPCB	46.4 µg/M ³	60 µg/M ³
03	Sulphur dioxide	I S 5182 Part 2 2001	1.8 µg/M ³	80 µg/M ³
04	Nitrogen dioxide	IS 5182 Part 06 1975	2.0 µg/M ³	80 µg/M ³

The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory

For and on behalf of
POLUCHEM LABORATORIES (P) LTD.


AUTHORIZED SIGNATORY
SREEJA KAMESH
Technical Manager

Analysis of Ambient air, Stack emission, Noise, Light, Water, Waste water / Effluent, Soil

**POLUCHEM LABORATORIES (P) LTD.**

ANALYTICAL, CHEMICAL & ENVIRONMENTAL LABORATORY

PALLATH BUILDING, N. KALAMASSERY P.O., ERNAKULAM - 683 104

NABL ACCREDITED
Certificate No: T-1658

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/45/2014

Date of Issue: 21/01/2014

Name & 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,
Panchayath- Ayyampuzha , Taluk- Aluva
Dist- Ernakulam,Kerala

Sample drawn by : Self

Sample description : UV Treated Water

Sample Code : A/45/2014

Date of sample collected : 14/01/2014

Date of analysis started : 15/01/2014

Date of completion of analysis : 20/01/2014

Parameters tested	Test method	Results	Desirable limit as per IS 10500
Color	IS 3025 (P) 04 – 1983	3 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983	Unobjectionable	Unobjectionable
Turbidity	IS 3025 (P) 10 – 1984	BDL	5 NTU
pH	IS 3025 (P) 11 – 1983	7.21	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 15 – 1984	60 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983	33.66 mg/l	300 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986	24 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	5.94 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991	7.94 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994	3.31 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 – 2003	BDL	0.3 mg/l
Sulphate	IS 3025 (P) 31 – 1988	BDL	200 mg/l
Fluoride	IS 3025 (P) 60 – 2008	BDL	1 mg/l

Note: BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Technical Manager

Authorized Signatory

Analysis of Ambient air, Stack emission, Noise, Light, Water, Waste water / Effluent, Soil

ANNEXURE 5



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 NO C1



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

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

TEST REPORT

Client Name & Address	Certificate No:	PL/RT/SD/169/2014
M/s .Poabs Granite Products (P)Ltd Chully P.O, Angamaly	Date of issue:	21/01/2014
	Date of monitoring	13/01/2014 15.00 Hrs to 14/01/2014 15.00Hrs
	Monitoring Location	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, Panchayath- Ayyampuzha , Taluk- Aluva Dist- Ernakulam,Kerala
	Sample Description	Ambient Sound Level (Leq)

Monitoring Location	Time	Results
Near east side boundary	15.00 Hrs	47.2dB (A)
	16.00 Hrs	46.5 dB (A)
	17.00 Hrs	45.8 dB (A)
	18.00 Hrs	43.1 dB (A)
	19.00 Hrs	41.9 dB (A)
	20.00 Hrs	40.7 dB (A)
	21.00 Hrs	39.9 dB (A)
	22.00 Hrs	39.2 dB (A)
	23.00 Hrs	38.7 dB (A)
	00.00 Hrs	38.1 dB (A)
	01.00 Hrs	37.6 dB (A)
	02.00 Hrs	38.4 dB (A)
	03.00 Hrs	39.1 dB (A)
	04.00 Hrs	39.8 dB (A)
	05.00 Hrs	40.7 dB (A)
	06.00 Hrs	41.6 dB (A)
	07.00 Hrs	42.4 dB (A)
	08.00 Hrs	43.5 dB (A)
	09.00 Hrs	44.2 dB (A)
	10.00 Hrs	45.6 dB (A)
	11.00 Hrs	46.9 dB (A)
	12.00 Hrs	47.8 dB (A)
	13.00 Hrs	48.1 dB (A)
	14.00 Hrs	47.3 dB (A)
Leq(Day time)		45.0 dB (A)
Leq(Night time)		38.1 dB (A)

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH

Authorized Signatory

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 आक्टुबर, 1999 को आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा धातुउत्पादक खान के प्रबंध हेतु द्वितीय श्रेणी प्रबंधक समक्षता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 03~05~2000 से प्रभावी समझा जाएगा।

Hemant Kumar M.

born on 11th 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



सहस्र निदेशक
Hemant Kumar

सदस्य
खनन परीक्षा बोर्ड
Members of the Board of
Mining Examinations.

Signature

Signature

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman of the Board of
Mining Examinations

Signed and Sealed
Date: 13 SEP 2000

निबंधित

भारत सरकार
श्रम मंत्रालय
खान सुरक्षा महा निदेशालय

सं०-परीक्षा/छूट/ FM(UR)/506/ 6/90 18. अन्याद, दिनांक 25/1/90 198.

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

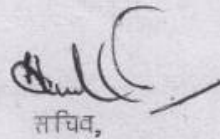
ज्ञापन

संदर्भ:- दिनांक 27.7.1989 का उनका आवेदन-पत्र ।

भारत सरकार के दिनांक 13-12-1974 की अधिसूचना सं०-स्त० 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 ~~अधिसूचना सं०-स्त० ओ० 712 ई०~~ धातुमय खान विनियम,
1961 के अन्तर्गत ~~अधिसूचना सं०-स्त० ओ० 712 ई०~~ 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)

सुरेभ/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 and hollow brick envelope

ANNEXURE D2



The photographs showing the workers with personal protective device

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.

[Signature]

DEPONENT

Verification:

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

[Signature]

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 Tiruvalla on this the 18th day of March 2014.

[Signature]

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

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.

Solemnly affirmed and signed before me by the deponent who is personally known to me in my office at Tiruvalla on this the 13th day of March 2014.

AP Gokula Chandran

DEPONENT

Place: Tiruvalla
Date: 18.03.2014



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



17/3/2014

10100 Joseph Jacob
Managing Director P. KRISHNAN KUTTY NAIR
M/s. POABS Granite Products THIRUVALLA VENDOR

ANNEXURE G



Photograph showing Garland drains with silt/debris trap and de-siltation 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,
ABS 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 ie 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 निगरानी

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.

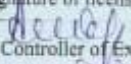
The Date: 12/12/2002

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 മുൻ മുഖ്യ വിस्ഫോटक നിയന്ത്രിക For Deputy Chief Controller of Explosives എറണാകുളം / Ernakulam

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

FILE NO. - PCB/HO/EKM/ICO/47/12



KERALA STATE POLLUTION CONTROL BOARD

INTEGRATED CONSENT TO OPERATE

UNDER

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

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

and

The Environment (Protection) Act, 1986

TO

Consent No. PCB/HO/EKM/ICO/03/2013

Shri. Binu. K Mathew

Director

Poabs Granites products (P) Ltd.

Chully P.O, Ernakulam-683 581


Date: 30/01/2013

Validity upto: 30.06.2015

Copy to:

1. The Chief Environmental Engineer, Regional Office, Ernakulam
2. The Senior Environmental Engineer, District Office-1, Ernakulam
3. The Secretary, Ayyampuzha Grama Panchayat, Ernakulam
4. Stock File



	
നമ്പർ A3-23/09-10 അയ്യമ്പുഴ ഗ്രാമ പഞ്ചായത്ത്	
1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകൾ പ്രകാരവും അതേ തുടർച്ചയുള്ള ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്ത	
ലൈസൻസ്	
ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	പാമ്പൻ ഗ്രാമപഞ്ചായത്ത് താഴെ പറയുന്ന ലിഖിതം, ചുരുക്കം 40 തിരുനെൽവേലൂർ
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	1710 HP ഇലക്ട്രിക് മോട്ടോർ വെൽവിംഗ് ചാർജിംഗ് റെറ്റർ ആക്ടിവിറ്റി നൽകി
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	(Sy.No. E64/1-26, 164/1-151, 280/2) ഗ്രാമ 251 K 668/38, 368/4, 373/1, 2, 378/2-2 33-79/1-2, 379/6
ലൈസൻസിന്റെ കാലാവധി	2009-10 to 2013-14 (ടവർഷം)
ലൈസൻസ് ഫീസ്	105500 രൂപ പൈസ
നിമർശനം	അപേക്ഷകൻ ചാ. നമ്പർ 1710 ഇലക്ട്രിക് മോട്ടോർ വെൽവിംഗ് ചാർജിംഗ് റെറ്റർ ആക്ടിവിറ്റി നൽകി എന്നും മെട്രിക് ട്രാൻസിമിഷൻ സർക്യൂട്ടിംഗ് യഥാർത്ഥ 30-6.69 വാൾട്ട്, 31-63-2010 വാൾട്ട് നിയമപ്രകാരം അനുവദിച്ചിരിക്കുന്നു എന്നും ചാ. നമ്പർ 1710 ഇലക്ട്രിക് മോട്ടോർ വെൽവിംഗ് ചാർജിംഗ് റെറ്റർ ആക്ടിവിറ്റി നൽകി എന്നും
അയ്യമ്പുഴ ഗ്രാമ പഞ്ചായത്ത് നിയമസഭയിൽ സാധാരണയായി ചർച്ച ചെയ്യുന്നതല്ല.	
തീയതി 03-04-2009	R/w 6/30152 dt 28-3-09 അനുസരിച്ച് Sy. No. entered on 01-09-2009 as per records submitted with application dt 08-2-09 as per request dt 08-23-08-12

ANNEXURE I1



MARATHANASIOUS COLLEGE OF ENGINEERING

KOTHAMANGALAM, KERALA, 686666.

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 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.seiaakerala.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/eprochome/vocpt.

CHIEF MECHANICAL ENGINEER



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

(A Government of India Enterprise) REGD. OFFICE: ELOOR, COCHIN DIVISION, AMBALAMEDDU, KODIM-682 303, Ph: +91-484-2723242 / 2723677 Fax: +91-484-2720948, E mail: mpcd@facttd.com, enquiry@facttd.com, Website: www.facttd.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-1 and priced Part-2, 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: 84712301181, 2302784

website: www.aogyakeralam.gov.in

TENDER NOTICE

HLL/ID/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.aogyakeralam.gov.in and www.lifecarehll.com

DVP(Tech)

HLL/ID 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, 9x, 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.

Issued by: Media Pro Enterprise India Private Limited
7th Floor, Blue Wave, Behind Kuber Chambers,
Off Link Road, Andheri(W), Mumbai - 400 053.

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സർവ്വകലാശാല ആതിഥ്യം വഹിക്കുന്നതായിരുന്നു. അസോസിയേറ്റ് ഓഫ് ഇന്ത്യ യൂണിവേഴ്സിറ്റിസ് മുന്നോട്ടുവച്ച ചില വ്യവസ്ഥകൾ അസോസിയേറ്റുകാരുമായി നടത്തിച്ചിട്ടുണ്ട്. ഇതിൽ നിന്ന് പിന്മാറ്റം വരാത്തതാണ് എം.ജി. സർവ്വകലാശാലയുടെ നിലപാട്.

കേരളത്തിന് പുറമെ കർണ്ണാടക, തമിഴ്നാട്, ആന്ധ്രം, പശ്ചിമ ബംഗാൾ, സംസ്ഥാനങ്ങളിലെ സർവ്വകലാശാലകളാണ് യുവജനോത്സവത്തിൽ പങ്കെടുക്കേണ്ടത്. വിവിധിയിട്ടുള്ളതാണ് ബാഗ്ഗേജ്.

വ്യക്തമാക്കേണ്ടതാണ്. സർവ്വകലാശാലയായിട്ടുള്ള വിവരങ്ങളും പ്രതിസന്ധികളുമാണ് ഇപ്പോൾ യുവജനോത്സവം മാറ്റി വരുത്തുന്നതിലെ അടിയന്തരതയും ആരോപണമുണ്ട്.

ANNEXURE I2

അടുത്ത മലയാളികൾ സോ. ഗെ. സി. അന്തർദ്ദേശ പരാമർശം. മ. ത്രിയാമുഖം ഇടപെടലിലെ തുടർ നടപടി പരിഷ്കരണത്തിൽ കേന്ദ്രീയ വിദ്യാലയ സംഘടനയുടെ വിവരം.

സ്വാശ്രയ മെഡിക്കൽ പ്രവേശനം മാനദണ്ഡങ്ങൾ പാലിച്ച് - മാനേജ്മെന്റ് അസോസിയേഷൻ

കൊച്ചി: മുഴുവൻ മാനദണ്ഡങ്ങളും പാലിച്ചാണ് സ്വാശ്രയ മെഡിക്കൽ പ്രവേശനം നടത്തിയതെന്ന് ജസ്റ്റിസ് ജെയിംസ് കമ്മീഷൻ കേരള പ്രൈവറ്റ് മെഡിക്കൽ കോളേജ് മാനേജ്മെന്റ് അസോസിയേഷന്റെ മറുപടി. അസോസിയേഷനു കീഴിലെ കോളേജുകളിൽ അയോഗ്യർക്ക് പ്രവേശനം നൽകിയെന്ന കണ്ടെത്തലിനെ തുടർന്ന് ജെയിംസ് കമ്മീഷൻ വിശദീകരണം നേടിയിരുന്നു. ഇത് സംബന്ധിച്ച അടുത്ത നടപടികൾ കമ്മീഷൻ കൂടി തീരുമാനിക്കുമെന്ന് ജസ്റ്റിസ് ജെയിംസ് പറഞ്ഞു. അന്ധികൃത പ്രവേശനം റദ്ദാക്കണമെന്നാണ് ജസ്റ്റിസ് കെ.എ. ജെയിംസ് അധ്യക്ഷനായ പ്രവേശന മേൽനോട്ടസമിതി അസോസിയേഷന് അയച്ച കത്തിൽ പറഞ്ഞിരുന്നത്.

18 വിദ്യാർത്ഥികളെ മാനേജ്മെന്റ് സിറ്റിലേക്ക് അന്ധികൃതമായി പ്രവേശിപ്പിച്ചിരിക്കുന്നുവെന്നാണ് കണ്ടെത്തൽ. ജെയിംസ് കമ്മീഷൻ യുടെ മേൽനോട്ടത്തിൽ നടത്തിയ പ്രവേശന പരീക്ഷയുടെ റാങ്ക്ലിസ്റ്റിൽ നിന്ന് സ്വാശ്രയ മെഡിക്കൽ പ്രവേശനം നടത്തണമെന്ന ധാരണയാണ് കമ്മീഷനും അസോസിയേഷനും തമ്മിലുണ്ടായിരുന്നത്. 408 വിദ്യാർത്ഥികളുടെ പേരുകളുള്ള റാങ്ക് ലിസ്റ്റ് മാനേജ്മെന്റിന് നൽകിയിരുന്നു. കമ്മീഷന്റെ റാങ്ക്ലിസ്റ്റിന് പുറത്ത് നിന്നുള്ള എല്ലാ പ്രവേശനവും അന്ധികൃതമാണെന്നാണ് പ്രവേശന മേൽനോട്ട സമിതിയുടെ നിലപാട്.

NOTICE

This is to inform to the General Public that the proposed quarry project at Ayyappuzha 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.seiaakerala.org

TRIVANDRUM INTERNATIONAL AIRPORT
TRIVANDRUM INTERNATIONAL AIRPORT
TRIVANDRUM INTERNATIONAL AIRPORT

e-TENDER NOTICE - Press

E-tenders are invited by Asst. Gen. Manager (Engg.) - Civil on behalf of Chairman, AAI from enlisted contractors of appropriate class of CPWD/MES/P&T/ Railways/ State PWD/ PSU/ other Govt./ Semi Govt. Organisations for the work of "S/R to Terminal Building at Trivandrum Airport during 2013-14. Sh: Structural steel purling work at NIB". For an estimated cost of ₹ 22,18,798/-, time allowed Three Months. Last date of sale of a Tender document and submission of a Bid (Envelope, B.B.B) is 23/09/2013 upto 17:00 Hrs and 25/09/2013 upto 16:30 Hrs respectively. For detailed information log on to Website <https://etender.aai.aero/irj/portal> or www.aai.aero.

കേരള സംസ്ഥാന ഭാഗ്യക്കുറി
ഫോൺ: 0471-2305330, ഫാക്സ്: 2305193, വാർഡ്: 230740
www.kerala.gov.in www.keralalotteries.com

ധനശ്രീ DS 98 നമ്പർക്കുപ്പ് ഫലം 10.09.2013
(ശ്രീചിത്രാ ഹോം ഓഡിറ്ററിയം, പഴയങ്ങാടി, തൃശ്ശൂർ ഫോർട്ട്, തിരുവനന്തപുരം)

ഒന്നാം സമ്മാനം 65 ലക്ഷം രൂപ DH 533667 (ജേതാവ്)

സമാധാന സമ്മാനം 10,000 രൂപ
DG 533667 DJ 533667 DK 533667 DL 533667

2-ാം സമ്മാനം 5 ലക്ഷം രൂപ DH 383416 (ജേതാവ്)

3-ാം സമ്മാനം 1 ലക്ഷം രൂപ DH 512565 (ജേതാവ്) DH 172012 (ജേതാവ്)
DJ 128980 (ജേതാവ്) DK 134546 (ജേതാവ്) DL 221609 (ജേതാവ്)

4-ാം സമ്മാനം 5000 രൂപ
0407 0687 0856 1509 2388 2856 2956 6239 6278 6616
6797 6892 7980 8093 8884 8922 8927 9793

5-ാം സമ്മാനം 1000 രൂപ
0036 0052 0383 0886 1026 1199 1920 2204 2659 2868
3391 3754 4390 5012 5074 5119 5446 5771 6142 6403
6613 6761 6898 6952 7103 8291 8394 8493 9456 9936

6-ാം സമ്മാനം 500 രൂപ
0303 0334 0684 0742 0942 2092 2264 2405 2759 3315
4343 4493 4564 4926 4961 5620 5765 6440 6622 6947
7054 7793 7919 8196 8852 8963 9011 9295 9682 9885

7-ാം സമ്മാനം 100 രൂപ
0212 0369 0410 0622 0647 0649 0706 0764 0823 1156
1172 1210 1465 1490 1517 1563 1911 2170 2271 2311
2326 2352 2714 2758 3001 3020 3104 3143 3208 3294
3401 3442 3467 3575 3659 3692 3811 3818 3977 3992
4084 4126 4326 4384 4561 4658 5033 5323 5379 5397
5590 5657 5670 5695 5786 5881 5908 5947 6060 6063
6106 6253 6270 6394 6398 6419 6468 6518 6659 6687
6698 6757 6807 7002 7240 7267 7436 7470 7572 7620
7675 7728 7893 7913 7979 8028 8263 8631 8734 8750
8844 8850 8930 9026 9532 9638 9653 9801 9884 9977

(കുറിപ്പ്: നഷ്ടപ്പെട്ടതല്ലാത്ത, പഴയപ്പതിപ്പ്, പഴയപ്പതിപ്പ് മാത്രമേ ഇതിൽ ഉൾപ്പെട്ടിട്ടുള്ളൂ. പഴയപ്പതിപ്പ് മാത്രമേ ഇതിൽ ഉൾപ്പെട്ടിട്ടുള്ളൂ. പഴയപ്പതിപ്പ് മാത്രമേ ഇതിൽ ഉൾപ്പെട്ടിട്ടുള്ളൂ.)

അടുത്ത ധനശ്രീ നമ്പർക്കുപ്പ് ഫലം 17.09.2013
(ശ്രീചിത്രാ ഹോം ഓഡിറ്ററിയം, പഴയങ്ങാടി, തൃശ്ശൂർ ഫോർട്ട്, തിരുവനന്തപുരം)

MILITARY ENGINEER SERVICES
Commander Works Engineer (NW) Kochi on behalf of President of India invites applications from eligible enlisted Contractors of MES and enlisted/un-enlisted Contractors working with other Govt. Departments meeting eligibility criteria for selection of Contractors for issue of tender of under mentioned work:-

Name of work	Repairs to Road from NAD main gate to HMT Junction at NAD Alwaye
Estimated Cost of work	Rs. 9.50 Lakhs
Completion Period	05 (Five) Months
Amount of earnest money for contractors not enlisted with MES	Rs. 19,000/- in the form of Call Deposit Receipt from any Scheduled Bank. BGB not acceptable
Cost of tender	Rs. 500/- in the shape of DD/Bankers Cheque from any Scheduled Bank in favour of GE (NS) Kochi
Last date of Receipt of Applications	20 Sep 2013
Eligibility Criteria:- (a) For MES Enlisted Contractors (b) For other Contractors	(a) Class : 'E', Category : a(i) (b) Meeting enlistment criteria of MES with regard to having satisfactorily completed requisite value works, Annual turn over, working capital, Fixed Assets etc. no recovery outstanding in any Govt Deptt, security clearance etc.
Date of issue of tender	On or after 21 Sep 2013
Date of receipt of tender	16 Oct 2013

Notes:
1. Application not accompanied by requisite value DD/Bankers Cheque towards Cost of Tender shall not be considered for issue of tender.
2. Contractors not enlisted with MES will be required to enclose necessary documents to prove their eligibility as given above including Affidavit for no recovery outstanding.
3. In case of rejection of application for issue of tender, the applicant shall be refunded the cost of tender. However Contractor may appeal to Chief Engineer Southern Command Pune-01 for rejection of his application for issue of tender whose decision shall be final and binding and Contractor shall not be entitled to any compensation what so ever for non issue of tender.
4. The above details are also available on MES website : www.mes.gov.in and Indian Trade Journal. Full Notice of Tender IAFW - 2162 & Enlistment Criteria is available in all Offices of MES and also on MES website.

ANNEXURE I3

Ayyampuzha Grama Panchayat 268031
Phone: 04842696690

Year 2014

Inward No

801

Date of Receipt

27/01/2014

Name of Applicant

roads granites products, 10, ayyampi
environmental clearance

Subject

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 14th day of September 2013.

Joseph Jacob
DEPONENT



NO 23972/2013
13/9/2013

Joseph Jacob, A.D.
Poabs Granite Products Pvt. Ltd.
Kuttoor PO

A. P. Gokula Chandran, A. A. L. BANAI
Advocate & Notary
Tiruvalla
P. KRISHNAN
THIRUVALLA VENDOR

